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APPLICATION NUMBER: 18/139,368

FILING DATE: April 26, 2023

PATENT NUMBER: 12250452

ISSUE DATE: March 11, 2025



Certified by

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MAY PATENTS LTD.
Yehuda BINDER, U.S. Patent Agent
B.Sc.E.E.; M.Sc.E.E.; M.B.A

April 25, 2023

U.S. Patent and Trademark Office (USPTO)
Customer Service Window
Mail Stop Patent Application
401 Dulany Street
Alexandria, VA 22314

Re: **New Utility Patent Application in U.S.**
Applicant(s): SNAPAID LTD.
Title: *REAL TIME ASSESSMENT OF PICTURE QUALITY*
Attorney Docket No.: SIVAN-001-US7

Sir/Madam,

Attached herewith is the above-identified application for Letters Patent including:

1. Applicant asserts small entity status.
2. Application Data Sheet (PTO/AIA/14);
3. Specification (31 pages), Claims 1-20 (3 pages) and Abstract (1 page).
4. 4 (four) sheets of Drawings (Figures 1-4).
5. Declaration
[X] Newly executed [] Copy from prior application no. _____
6. Assignment submitted through EPAS
[X] Newly executed [] Copy from prior application no. _____
7. Power of Attorney
8. Information Disclosure Statement (PTO/SB/08).
9. Certain documents were previously filed or cited to the USPTO in the prior applications, which is relied upon under 35 U.S.C. § 120. Applicant(s) identify these documents by attaching an Information Disclosure Statement listing these documents and request that they be considered and made of record in accordance with 37 CFR § 1.98(d). Per Section 1.98(d), copies of these documents need not be filed in the application.

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Yehuda BINDER, U.S. Patent Agent
B.Sc.E.E.; M.Sc.E.E.; M.B.A

10. Electronic Payment in the amount of US\$ 664.00 is being made by deposit account no. 601835 to cover filing fee calculated as follows:

Application as Filed				Fee (US\$)
Basic Filing Fee				64.00
Search Fee				280.00
Examination Fee				320.00
Total Sheets	Extra Sheets		Rate	
39/100	--		168.00	--
Claims	# Filed	# Extra	Rate	
Total Claims	1-20	--	40.00	--
Independent Claims	3	--	192.00	--
Multiple Dependent Claim			344.00	--
Total Filing Fee				664.00

11. As in the prior applications, please associate the above referenced application with **Customer No. 131926**.

12. The Correspondence Address associated with **Customer No. 131926**.

Submitted by,
May Patents Ltd.

By: /Yehuda Binder/
Yehuda Binder
Registration No. 73,612

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Application Number	
Filing Date	
First Named Inventor	SIVAN, Ishay
Title	REAL TIME ASSESSMENT OF PICTURE QUALITY
Art Unit	
Examiner Name	
Attorney Docket Number	SIVAN-001-US7

SIGNATURE of Applicant or Patent Practitioner

Signature		Date (Optional)	
Name	Yehuda Binder	Registration Number	73,612
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Applicant Name (if Applicant is a juristic entity)			

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I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

SNAPAID LTD.

- ☐ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
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SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Date (Optional)

Name

Ishay SIVAN

Title

CEO of SNAPAID LTD.

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REAL TIME ASSESSMENT OF PICTURE QUALITY

RELATED APPLICATIONS

This application is a continuation of U.S. Application No. 17/666,585 filed on February 8, 2022, which is a continuation of U.S. Application No. 17/189,587 filed on March 2, 2021 (U.S. Pat. No. 11,252,325, issued February 15, 2022), which is a continuation of U.S. Application No. 16/867,919 filed on May 6, 2020 (U.S. Pat. No. 10,944,901, issued March 9, 2021), which is a continuation of U.S. Application No. 15/992,217 filed on May 30, 2018 (U.S. Pat. No. 10,659,682, issued May 19, 2020), which is a continuation of U.S. Application No. 15/582,722 filed on April 30, 2017 (U.S. Pat. No. 10,009,537, issued June 26, 2018), which is a continuation of U.S. Application No. 15/007,253 filed on January 27, 2016 (U.S. Pat. No. 9,661,226, issued May 23, 2017), which is a continuation of U.S. Application No. 14/437,105 filed on April 20, 2015 (U.S. Pat. No. 9,338,348, issued May 10, 2016), which is a national phase of, and claims priority from, PCT Application No. PCT/IL2013/050856 filed on October 22, 2013, which claims priority from U.S. Provisional Application No. 61/717,216 filed on October 23, 2013 and U.S. Provisional Application No. 61/759,643 filed on February 1, 2013, all of which applications are hereby incorporated by reference as fully set forth herein.

FIELD

The present invention relates generally to image processing and more particularly to analysis of photographed images.

BACKGROUND

Cameras today, even those with good “auto mode” functions, still rely on the camera user to assess a picture’s quality, either at the time of taking the picture, or at a later stage. Certain software, such as Photoshop, offers tools to enhance a picture to an extent. Many users simply take more than one picture, say 5-6 pictures, so they will be able to choose one good one.

Conventional technology constituting background to certain embodiments of the present invention is described in the following publications inter alia:

a. US 20130155474 in which a user of the mobile device is provided with feedback prior to the capturing of at least one image of a paper document which

provides the user with at least one instruction for adjusting at least one measured parameter. Parameter values may be combined into a group threshold or total overall quality score, such that the combination of all of the measured parameter values produces an overall quality score which exceeds a defined threshold value before the image can be captured by the camera. According to this publication, "The user can be provided detailed information to assist the user in taking a better quality image of the document. For example, the blurriness may have been the result of motion blur caused by the user moving the camera while taking the image. The test result messages can suggest that the user hold the camera steadier when retaking the image."

b. WO 2006040761 / US20070195174 which describe a system in which the interface module further enables to define the scene dynamics of the captured image and attributes of the captured image scene dynamics include image motion speed and motion speed of the subjects and the interface module further enables setting the captured image attributes relative weight for the computation of the total image grade.

c. US20090278958 which describes inter alia that "The scoring of a current base image may be based on scores which have been given to previously captured base images. In such a manner, redundant calculation may be avoided."

d. Other systems such as the following patent documents: US7362354; WO2003069559; US7688379; US20090263028; US20060017820; US20060056835; US8125557; WO2011148212; US7920727; US20130155474; US8040382.

The disclosures of all publications and patent documents mentioned in the specification, and of the publications and patent documents cited therein directly or indirectly, are hereby incorporated by reference. Materiality of such publications and patent documents to patentability is not conceded

SUMMARY

Certain embodiments seek to utilize camera hardware such as accelerometers, gyros and autofocus lenses, inter alia, to evaluate pictures taken in real time, and actively assist in obtaining the best picture given the circumstances at hand.

Typically, each available sensor, e.g. accelerometers, gyros, sends its raw data to a processing component 400 that outputs a quality indicator e.g. as illustrated in Fig.

1. and Fig 3. Data may also be sent to Device/surrounding objects 4D position computation component 230 for 4D positioning computation. Raw data may be combined with quality indication from other sensors, such as the camera/lens module 200, that can send its own quality indications. For example, some lens modules can estimate the picture focus quality, as it is a part of their auto focus functionality. Some camera/lens modules may have dual cameras or more for achieving 3D data, sophisticated focusing methods like Lytro light field camera, or their own hardware sensors like Google Glass. All this available data can be sent to component 400 and Device/surrounding objects 4D position computation component 230 for use of their functions. Various quality indicators, depending on device capabilities and implementation, may be employed.

Prior art has used certain independent quality indicators, each giving a quality of one particular aspect of a picture, for a given picture. Some try to quantify the quality by means of a total quality indicator. Typically this is done as follows:

$$QI_{total} = \sum_{i=1}^n QI(t)_i$$

Where n is the number of quality indicators (QI), and t is the time of test.

Some implementations use a weight function in computation, but the weight is either constant or can be change by the user manually.

$$QI_{total} = \sum_{i=1}^n QI(t)_i * w_i(t)$$

However, in this invention, the weight of one indicator will take into account data from other quality indicator/s e.g. their quality indicator value, weight, confidence level (explained forthwith) in them and their previous value, weight and confidence level. For example, if both device shake quality indicator and/or camera focus quality indicator indicate a poor quality, disregard use of aesthetic quality indicator in total computation, even if user indicated that he would like to give it a high priority. This will prevent the device from taking a picture when the picture is blurry, as is the case in prior art. Once shake is low and focus is optimal, aesthetic QI may be used in total quality computations. One quality indicator's importance or relative weight within the

total quality indicator may change over time, if some other quality indicator indicates that the first quality indicator becomes less relevant in quantifying the picture quality.

Furthermore, since each QI algorithm has its own assumptions, and each sensor may have measurement errors, the quality indication (QI) value may therefore not be reliable. Also, a QI value that fluctuates widely may not be reliable, and in certain cases, re-assessment of the quality indicator may be called for. Thus, a “confidence level” in the QI is obtained. These indicators may be relayed to a processing component that analyses the current relevance of each indicator, and with suitable configuration, provides a “total” quality value.

This total quality indicator and its detailed list of quality indicators can be used to give the user accurate feedback on the picture quality, whether and how it fits user preferences (configured in 151, used in total QI computation), and provide detailed suggestions on how to take a better picture, if possible.

Suggestions may be provided as an oral message, typically pre-recorded, as an icon on a screen, or as text. Suggestions may use the recorded images as a template for the suggestions. This may include marking over exposed areas in red, or marking a problematic element with a circle.

The quality indicators’ values and total quality indicator can be shown to the user in real time.

Certain embodiments of the present invention include a method which comprises combining data from multiple sensors and multiple quality indicators, using available GPU and CPU, to compute, in real time, each quality indicator, and to form a combined total indicator to be shown to the user before and after he has pressed the shutter button. The user may get, or choose to get, suggestions from the application on how to improve the next shot, using the quality indicators and their correlation.

Further indication to the user can be made if the image is below a certain total quality indicator threshold.

According to one embodiment, quality indications are used to control the lens module 200. For example, focus distance reported may be below hyper focal distance or very short and accelerometer reports movement in direction perpendicular to focus plan. This can be used to find a way to shorten the shutter speed (increase ISO or change aperture for example). Another example may be to change the focus point and possibly focus distance if the object being tracked has moved.

In another embodiment, when the user presses the “shutter” button to take the picture (component 105), the device will wait for the total quality indicator to reach a minimum value/threshold, before taking a full resolution picture as shown in Fig 1. Ideally, this time will be close to the shutter release time. A timeout mechanism can ensure a full resolution picture will be taken, even if the threshold is not reached in a given time after the shutter is released.

A list of suggestions to the users may be for instance “blurred image due to camera shake”, or “blurred subject due to subject movement”, or “Image dynamic range is beyond the sensor dynamic abilities –choose area of interest, or take a high dynamic range (HDR) shot”.

Embodiments include but are not limited to:

Embodiment 1. A method for computing the photo quality of a captured image in a device image acquisition system, said method comprising:

computing at least one total quality indicator based on at least two quality indicators computed from said captured image and its previous image frames, to determine whether the photo quality is acceptable; and providing a corresponding detailed photo quality feedback.

Embodiment 2. A system according to embodiment 1, where automatically activating the capturing apparatus, once a logical criterion based on said quality indicators is met.

Embodiment 3: A system, according to embodiment 1 where

a message provider is operative where at least one appropriate suggestion from a pre-stored table of suggestions on how the digital image can be improved further, where said message is presented as a suggestion to the user.

Embodiment 4: A system, according to embodiment 1 where

pictures are taken and saved at each frame, but only pictures with a said logical criterion are marked as so.

Embodiment 5: A system, according to embodiment 1 where the stream of frames is saved as a video and;

quality indicators, user preferences, confidence level, and quality importance are used to quantify video quality.

Embodiment 6: A system, according to embodiment 5, used to give a user suggestions on improvement of the video.

Embodiment 7: A system, according to embodiment 1, where computed QI and

their confidence levels are used to change parameters in the lens/sensor module to achieve better total QI.

Embodiment 8: A system and method as in embodiment 1 used for automatic image capturing of at least one picture once a configured total quality indicator meets a minimum threshold, even without the user pressing a shutter button.

Embodiment 9. A system using blur type detection for alerting the user of object movement in a region.

Embodiment 10. A system using blur type detection for alerting the user he is moving too fast in a vehicle to achieve a non-blurred image.

Embodiment 11. A system and method described herein for evaluating video quality.

Embodiment 12. A system with device shake recognition, where a device movement gesture can be used for shutter press indication.

Embodiment 13. A system with device shake recognition, where a device movement gesture can be used for delete picture indication.

Also provided, excluding signals, is a computer program comprising computer program code means for performing any of the methods shown and described herein when said program is run on a computer; and a computer program product, comprising a typically non-transitory computer-usable or -readable medium e.g. non-transitory computer -usable or -readable storage medium, typically tangible, having a computer readable program code embodied therein, said computer readable program code adapted to be executed to implement any or all of the methods shown and described herein. It is appreciated that any or all of the computational steps shown and described herein may be computer-implemented. The operations in accordance with the teachings herein may be performed by a computer specially constructed for the desired purposes or by a general purpose computer specially configured for the desired purpose by a computer program stored in a typically non-transitory computer readable storage medium. The term "non-transitory" is used herein to exclude transitory, propagating signals or waves, but to otherwise include any volatile or non-volatile computer memory technology suitable to the application.

Any suitable processor, display and input means may be used to process, display e.g. on a computer screen or other computer output device, store, and accept information such as information used by or generated by any of the methods and

apparatus shown and described herein; the above processor, display and input means including computer programs, in accordance with some or all of the embodiments of the present invention. Any or all functionalities of the invention shown and described herein, such as but not limited to steps of flowcharts, may be performed by a
5 conventional personal computer processor, workstation or other programmable device or computer or electronic computing device or processor, either general-purpose or specifically constructed, used for processing; a computer display screen and/or printer and/or speaker for displaying; machine-readable memory such as optical disks, CDROMs, DVDs, BluRays, magnetic-optical discs or other discs; RAMs, ROMs,
10 EPROMs, EEPROMs, magnetic or optical or other cards, for storing, and keyboard or mouse for accepting. The term "process" as used above is intended to include any type of computation or manipulation or transformation of data represented as physical, e.g. electronic, phenomena which may occur or reside e.g. within registers and /or memories of a computer or processor. The term processor includes a single processing unit or a
15 plurality of distributed or remote such units.

The above devices may communicate via any conventional wired or wireless digital communication means, e.g. via a wired or cellular telephone network or a computer network such as the Internet.

The apparatus of the present invention may include, according to certain
20 embodiments of the invention, machine readable memory containing or otherwise storing a program of instructions which, when executed by the machine, implements some or all of the apparatus, methods, features and functionalities of the invention shown and described herein. Alternatively or in addition, the apparatus of the present invention may include, according to certain embodiments of the invention, a program
25 as above which may be written in any conventional programming language, and optionally a machine for executing the program such as but not limited to a general purpose computer which may optionally be configured or activated in accordance with the teachings of the present invention. Any of the teachings incorporated herein may wherever suitable operate on signals representative of physical objects or substances.

30 The embodiments referred to above, and other embodiments, are described in detail in the next section.

Any trademark occurring in the text or drawings is the property of its owner and occurs herein merely to explain or illustrate one example of how an embodiment of the invention may be implemented.

Unless specifically stated otherwise, as apparent from the following discussions, it is appreciated that throughout the specification discussions, utilizing terms such as, "processing", "computing", "estimating", "selecting", "ranking", "grading", "calculating", "determining", "generating", "reassessing", "classifying",
5 "generating", "producing", "stereo-matching", "registering", "detecting", "associating", "superimposing", "obtaining" or the like, refer to the action and/or processes of a computer or computing system, or processor or similar electronic computing device, that manipulate and/or transform data represented as physical, such as electronic, quantities within the computing system's registers and/or memories, into
10 other data similarly represented as physical quantities within the computing system's memories, registers or other such information storage, transmission or display devices. The term "computer" should be broadly construed to cover any kind of electronic device with data processing capabilities, including, by way of non-limiting example, personal computers, servers, computing system, communication devices, processors
15 (e.g. digital signal processor (DSP), microcontrollers, field programmable gate array (FPGA), application specific integrated circuit (ASIC), etc.) and other electronic computing devices.

The present invention may be described, merely for clarity, in terms of terminology specific to particular programming languages, operating systems,
20 browsers, system versions, individual products, and the like. It will be appreciated that this terminology is intended to convey general principles of operation clearly and briefly, by way of example, and is not intended to limit the scope of the invention to any particular programming language, operating system, browser, system version, or individual product.

25 Elements separately listed herein need not be distinct components and alternatively may be the same structure.

Any suitable input device, such as but not limited to a sensor, may be used to generate or otherwise provide information received by the apparatus and methods
30 shown and described herein. Any suitable output device or display may be used to display or output information generated by the apparatus and methods shown and described herein. Any suitable processor may be employed to compute or generate information as described herein e.g. by providing one or more modules in the processor to perform functionalities described herein. Any suitable computerized data storage e.g.

computer memory may be used to store information received by or generated by the systems shown and described herein. Functionalities shown and described herein may be divided between a server computer and a plurality of client computers. These or any other computerized components shown and described herein may communicate
5 between themselves via a suitable computer network.

BRIEF DESCRIPTION OF THE DRAWINGS

Certain embodiments of the present invention are illustrated in the following drawings:

10 Fig. 1 is a functional block diagram of a system and method for real time assessment of picture quality produced on a device, e.g. as shown in Fig. 2, having multiple sensors including use of hardware sensor data to generate and utilize picture quality indications.

Fig. 2 illustrates a hardware and operating system (OS) layer which is operative
15 in conjunction with the functional block diagram of Fig. 1.

Figs. 3 and 4 illustrates component 400 in detail and a sample of a quality indicator computation dependence, all according to certain embodiments.

Computational components described and illustrated herein can be implemented in various forms, for example, as hardware circuits such as but not limited to custom
20 VLSI circuits or gate arrays or programmable hardware devices such as but not limited to FPGAs, or as software program code stored on at least one tangible or intangible computer readable medium and executable by at least one processor, or any suitable combination thereof. A specific functional component may be formed by one particular sequence of software code, or by a plurality of such, which collectively act or behave
25 or act as described herein with reference to the functional component in question. For example, the component may be distributed over several code sequences such as but not limited to objects, procedures, functions, routines and programs and may originate from several computer files which typically operate synergistically.

Data can be stored on one or more tangible or intangible computer readable
30 media stored at one or more different locations, different network nodes or different storage devices at a single node or location.

It is appreciated that any computer data storage technology, including any type of storage or memory and any type of computer components and recording media that

retain digital data used for computing for an interval of time, and any type of information retention technology, may be used to store the various data provided and employed herein. Suitable computer data storage or information retention apparatus may include apparatus which is primary, secondary, tertiary or off-line; which is of any type or level or amount or category of volatility, differentiation, mutability, accessibility, addressability, capacity, performance and energy use; and which is based on any suitable technologies such as semiconductor, magnetic, optical, paper and others.

10 DETAILED DESCRIPTION OF THE DRAWINGS

Certain embodiments of the present invention include a system and method for real time assessment of picture quality produced on a device having multiple sensors, such as a smartphone. In one embodiment, all of the sensors, such as but not limited to an image sensor, accelerometer or gyroscope, are embedded in one device. It may be that they reside in different devices, but send their data to one device where the total indicators are computed.

Fig. 1 is a functional block diagram of a system and method for real time assessment of picture quality produced on a device, e.g. as shown in Fig. 2, having multiple sensors including use of hardware sensor data to generate and utilize picture quality indications.

Referring now to Fig. 1, a Lens/sensor module 200 such as OmniVision OM8865 may be characterized by and/or generate photographic parameters, including but not limited to some or all of:

- a) The current image the sensor receives, referred to as a frame or image
- b) ISO speed (current, min, max)
- c) Is camera focused (yes/no/estimate if available).
- d) Aperture
- e) Focal length
- f) Shutter speed
- g) Focus rectangle, or area of interest
- h) Sensor type and size -- for example BSI2 CMOS 1/2.5 inch
- i) Depth of Field
- j) Scene mode or user preferences.

These parameters may be used for computing quality indicator values and their confidence level, as indicated in Fig 3.

The module 200 sends continuous video frames of the scene in front of the device lens, and data from other sensors is continuously received and analyzed in real time.

Typically, a smartphone includes all such sensor and hardware inside the smartphone. However, it is possible that the image may be sent to the device from an external camera via a cable or Wi-Fi. The image sensor sends its data to the device operating system that may send the whole image or a preview of it to the GPU 122 of Fig. 2 at a rate of X frames per second. This image data is passed on to various programmed GPU vertex and fragment shaders. It is then used for fast computation of some of the quality indicators.

Fig. 2 illustrates a hardware and operating system (OS) layer, which is operative in conjunction with the functional block diagram of Fig. 1.

Errors and probability in quality indicators

When prior art computes a quality indicator value, it was done without taking into account the possibility of error in the computed QI, as all sensors give out errors.

For example, a user wishes to compute a quality indicator for device shake based on data from accelerometers. Accelerometers have precision errors and drifting errors over time. If the user wishes to compute a speed vector, this will be relevant. The speed may be assumed to be 100 ± 3 . A GPS can estimate location and speed errors via its location computation. Errors may also occur as a result of blurriness of some sort, or may result from image resolution and many other factors. For example, assuming a device is moving at a constant speed, and V_i is the computed speed in frame i , where $1 \leq i \leq n$, then if value V_n is 2 standard deviation from the average speed measured so far, (and assuming a normal distribution), then probability for this value is 5%, denoted $P_i(t)$. Most of the time the speed may not be constant, but the above technique can nonetheless can be applied, mutatis mutandis, when errors can be estimated. The probability factor P, is closely related to the nature of the quality indicator and hardware used. For example, a GPS device has its own algorithm for that e.g. Kalman Filters. Beyond mere errors, recognition or pattern algorithms have assumptions that can be related to “probability” of the feature been searched. For example in object recognition, if 4 out of 5 features for this object (face, lamp, chair)

have been recognized, a probability P of 80% is indicated. Other examples may be comparison to a similar image for same scene recognition, as objects have moved or just look similar. Aesthetic fit algorithms employ “probability” which pertains to this.

5

Confidence level of quality indicator

Thus far, only a current image has been illustrated, but previous data can aid in computation of a better confidence level. This depends on the QI in question and the nature of the errors, but assuming a general case, one way of computing the confidence level of QI_i denoted C_i(t) is

$$C_i(t) = P_i(t_{j2}) * N(P_i(t_{j2}))$$

$$N(x) = e^{\frac{-(x-\mu)^2}{2\sigma^2}}$$

$$\mu_i = \sum_{k=t1}^{t2} \frac{P(t_k)_i}{k2 - k1}; \quad \sigma_i = \sqrt{\frac{1}{n} \sum_{k=1}^n (P(t_k)_i - \mu_i)^2}$$

15 t_{j2} is the time of frame $j2$, the last frame so far.

t_{j1} is the time of minimum frame $j1$ computation which may be used.

$N(x)$ is a formula for a normal distribution, σ the standard deviation and μ the mean value. The values in the distribution here are $P_i(t)$

In the formula for computing normal distribution and standard deviation, there is a limit on the “looking back” portion of the computation, so when a significant event occurs at frame $j1$, it may be reset.

This example uses normal distribution, since nothing is known about the QI at hand, but this need not be the only distribution function. For example, if the location is measured by an accelerometer, accelerometer readout errors and drifting errors over time may be used to construct a better distribution function. For example, an accelerometer distribution function may be different for high acceleration and for low acceleration, since in low values the distribution will be more spread out than in high values.

Mean μ_i and standard deviation σ_i are computed from a specific frame $j1$ until the current time (or just until the previous frame). This way a significant event in $j2$ can be an indication to reset $j1$ to $j2$, so the computations will not use frames before

j2.

In another embodiment, one that doesn't use old data $N=1$, thus

$$C_i(t) = P_i(t_{j2})$$

There may be other methods to compute confidence. For example, GPS
5 location algorithms (such as a Kalman filter) have their own way of computing
confidence in the location, especially but not limited to, the mean of error in position.
If current GPS data say location has changed 3 meters in the last 15 milliseconds, but
accelerometer data shows no change, and assuming that it is known from past
computations that speed is relative zero, then the GPS data may not be trusted, and
10 confidence in the GPS QI for movement, is low.

In another example, it may be that the lens module 200 report image is in focus,
however independent focus blur QI 244 image is not in focus. This can affect the
confidence of QI in component 248, where lens module QI is computed.

One way to compute the confidence level that is dependent on other values can
15 be expressed as

$$C_i(t) = P_i(t_{j2}) * N(P_i(t_{j2})) * \prod_{k=1}^n f_{ik}(t, QI(t)_k)$$

Where n is the number of available quality indicators, and i and k are running indices
of the current quality indicator in question. The function f_{ik} denotes a function specific
to these quality indicator correlations. If there is no correlation, the function will be
20 regarded as the scalar 1. In the above example, i being QI in component 248, and one
some value $1 \leq k \leq n; k \neq i$ where k is the index for QI in component 244, the value
of f_{ik} can be 0.5 if $QI(t)_k < 0.7$. (In this example all QI and confidence levels are
normalized to 1).

More examples of use and computation of confidence levels are now described, as
25 other components and quality indicators are introduced.

Quality indicators use of previous frames data

The QI used in the total quality indicator, $QI_ForTotal(t)_i$ employs the current
value of $QI_i(t)$ but also the confidence level. The confidence level is a function of old
30 values inherited by virtue of distribution formula $N(t)$. So if the QI value is significantly
different then expected, the QI value's confidence level may drop thereby bypassing a
current QI that may be problematic.

Other ways to bypass or wholly or partially discount a current wayward QI value include, say, recognition of an object or face. The object may have been in the field of view one frame ago, with high confidence, say 1/30 of a second ago. Now the QI say the object is no longer there, perhaps with low $P_i(t)$ value. It is possible however that the object in fact is still there; just the recognition algorithm has misses the object. In this example the method may override the current QI with the previous one, at least for a frame or two. More generally, old QI may be employed, particularly if its confidence level exceeds newer QI values, to generate an improved current QI value. One embodiment could be an average of the last few frames that had a high confidence level. The availability of old QI, errors in them via P_i , and the computation of C_i provide other methods for determining the value of $QI_i(t)$ e.g. for use in the total indicator. Algorithms of deep learning in neural networks, applied to confidence level data inter alia, may be used to better compute a current value of the quality indicator.

The following are examples of quality indicators and computational functionalities therefor, some or all of which may be provided as shown in Fig. 1:

Blur detection in component 244

Image blur can be of 2 types: focus or movement. In order to detect blur, quantify it and alert the user, its origin may be determined, so the user will have information on why the picture has inferior quality.

Blur caused by movement can be either due to the imaging device having moved (usually shake) and/or because the object which was photographed, moved. Both movements refer to the time the image is taken, and the shutter speed.

There are many algorithms for testing blur via frequency distribution in k space transformation such as DCT or other Fourier transform variants, for example prior art US20110096180. Other ways may be testing signal-to-noise ratio and searching for peak signal-to-noise ratio (PSNR). These algorithms can be used to create a blur quality indicator in component 244. This may assist in double checking the camera module 200 own focus assessment used in computation of QI in component 248. This is an advantageous step, since many quality indicators function better when they use previous frames, assuming they are all in focus. Retesting lens/camera module 200 own focus assessment may therefore be helpful.

Device movement indication based on accelerometer

Camera shake and movement can be quantified using an accelerometer to measure device 3D acceleration, and integrating this over time to determine camera speed. The time of resetting the speed to zero is advantageous, since computation rounding and sensor errors may accumulate over time. This can be done in a few ways, for example: zero speed can be accessed when the device's acceleration is minimal and back and forth over a long time (meaning device is around some point in space).

Device movement quality indicator 270

A person of skill in the field of photography would recognize the rule of thumb of focal length which may be reciprocal to the shutter speed if one wants to avoid camera shake due to hand shake. Component 200 provides these two parameters. Device/surrounding objects 4D position computation component 230 provides a position of the device as a function of time in some degree of confidence. Given an average hand jitter speed, one can set a threshold of the accepted speed of the device. For example, assume that for a shutter speed 1/15 of a second, speed may be less than 2 mm per second. 1 mm per second may provide excellent quality, 2 mm per second good quality and 2 cm per second very poor quality. Also a depth of field of the picture (DOF) can to be computed, using the focus distance, aperture of the lens and so on. If the depth of field is small and subject distance is short (macro photography), then movement of the device in the z axis may have a profound effect on quality but for most pictures and devices this is not the case.

For example, a scene with a baby taken from 50 cm away with a Nikon D300, 50mm focal length lens, aperture of 1.8, means the depth of field may be 2.7 cm. This means that the baby's face may not be fully in focus, and an inferior quality may be indicated. For the same configuration with f/8 aperture, an excellent quality may be indicated.

These computations may aid in determining the importance of movement in the Z axis to the value of the QI. Let a function $I_3(x)$ be the importance of the z axis. In one embodiment $I_3(x)$ may be an exponential function of some sort. The other axes, x and y, each have their own function. They can also have an exponential function, but with a different factor. Given the speed V_i in each direction as given by Device/surrounding objects 4D position computation component 230 the following can be computed:

$$QI_{\text{device motion}} = \frac{\sum_1^3 I_i(x_i) * V_i(t)}{3}$$

This is one possible method for computation of the base QI for device motion which is not intended to be limiting. Other embodiments may for example use confidence levels .

Component 200 may have some kind of image stabilization - sensor shift, lens stabilization or other. In this case the lens or sensor movement speed in these image stabilizations may be incorporated into the speed $V_i(t)$ in the formula above, for the QI to be correct. If this cannot be achieved with sufficient accuracy, the errors may be incorporated into this QI confidence level.

Object movement component 220

There are many methods of computing a motion vector. A block matching method may be used, or a gradient method, etc., or if the motion vector information is included in the input image signal in some form, this information may be utilized. The motion of the objects in the image frame is caused by the combination of two factors: real object movement and apparent movement caused by device movement.

When computing object speed in the image frame, one must subtract the device movement as computed in Device/surrounding objects 4D position computation component 230 from the object speed vector computed.

Methods of statistical pattern recognition may be used to fully recognize actual objects, such as a chair, a tree, a face or a car. If either the imaging device or object is moving, the identity of the object may be considered as a factor for the related confidence level; e.g. a car is much more likely to be moving during imaging than is a tree. Objects that are in the focus rectangle or area of interest are more significant to quality. If there is some movement at a far end region (or: at a significant distance), this may not greatly affect the quality indicator.

Object movement quality indicator 260

The data from component 220 can be used to create a quality indicator about blur due to subject movement. Normally, no movement would indicate excellent quality, and high-speed movement would indicate low quality.

Some objects are more important than others for a “good” picture. For example, often a face is more important than a chair. In order to compute this subject movement quality indicator, each object may be recognized and its movement vector

and significance may be factored into the quality indicator dependent on this object's movement.

5 This computed data may be used to alert the user of motion of a specific object that is considered important such as a face located in the center of an image.

One way of computation of this quality indicator, noted $QI_{\text{subject movement}}$, may be:

$$QI_{\text{subject movement}} = \frac{\sum_n A(x_i) * B(x_i) * S(x_i)}{n}$$

10 where $A(x)$ – binary/multi-value indicator: is object inside or outside of; within, close to or far from, the focus/interest area rectangle

$B(x)$ – importance of object to a picture

$S(x)$ – object speed factor. A desired speed may be assigned a “high” value of 1, and 0 may be assigned for non-desired speed, with possible values in the middle. If the object is not to look blurred, it should be standing still relative to the current shutter speed. In
15 that case a high value may be a slow speed. However, speed of an object may be desirable, e.g. to create the artistic impression of movement in the picture. In such a case, a high value may be assigned to a high speed.

Each factor is normalized to 1 in this example.

20 In one embodiment, if the motion vector's estimation quality is not sufficient, the camera module may be instructed to take a picture of a different exposure, say a shorter one, to measure the movement more precisely.

Computing object motion vector via corners detection

25 Algorithms such as Harris corner detection or its variants such as Shi Tomas corners detection may be used to determine whether the new image frame has more or less details than the previous frame. This determination may be combine with data from the gyroscope and accelerometer, if provided, to indicate whether or not the device has moved and/or the quality has severely deteriorated or increased.

30 The total quality indicator can be shown to the user in real time. Also, given a configurable “minimum” quality, an indication to the user can be made if the image total quality indicator is below this minimum.

In each region, the number of corners are counted and their center of gravity is

computed. This is done for each region on each frame. The path of each center of gravity may then be followed over each region and a motion vector may thereby be computed. This may be feasible if the speed of the object is slow, since when the speed is quick, the corners may become blurred.

5

Image leveled to horizon quality indicator 271

The device gyroscope 205 and accelerometer 206, both of which may or may not be provided or available, may be used to compute device angle to the horizon, or how the device is leveled. Using this data, a quality indicator for “device leveled according to its orientation”, is computed. For example, zero to 3 degrees is “excellent” quality, 3 to 5 degrees is “good” quality and so on. The user may hold the device either horizontally or vertically.

Camera focus quality indicator 248

As already mentioned, component 200 may send to component 248 data if component 200 is currently in focus, thereby to form an “excellent” quality indicator level for already-focused and “bad” quality indicator for still-focusing. Some camera modules may provide a focus estimation of their own. In such cases, this may be incorporated into or replace the quality indicator to provide more than a yes/no quality indication.

Furthermore, when the lens focuses, the frames received from the camera module are blurred, so the quality indicators related to the blur or object motion detection may be affected. In one implementation, the frames with low focus quality, may be removed when computing these quality indicators.

The lens/camera module 200 may also report its own focus confidence level.

Ideally, the focus indication sent by component 200 may coincide with component 244 QI. However, if it does not, say 244 indicates out of focus and 200 indicates in focus, this can be used to lower 248 confidence level, as demonstrated in the confidence level section.

Face detection quality indicator 249

This quality indicator indicates whether there is a face or faces and whether the face is smiling and/or looking at the camera. These indicators are passed on to a component

249 that analyzes the relevance of each of them, and yields a “total” quality value for this quality indicator.

Furthermore, one may determine if each face is smiling and/or looking at the camera. This data may be used for a quality indicator. For example, a scene in which over 90% of the faces are looking at the camera and 80% are smiling, equals “excellent” face quality, while a scene in which none are looking and none are smiling indicates “bad” quality. Importance of the smiling/not smiling factor may be configured by the user via component 151.

10 **Recognized face quality indicator 250**

The device may have a list of configured faces to recognize and for each, pre-stored, their importance, say a user family member or work colleague. The data may also include specific face features. This is denoted as component 212,

Recognition of these faces in component 217 may be used by component 250 to produce a quality indicator based on importance as well as face quality, as before. Face importance may change over time by the user, or automatically, by learning user preferences. Confidence level may be computed similarly to 249. However, since it is a known person, more data may be obtained to enhance face recognition, such as face features from various angles, glasses, etc.

20

ISO level and camera hardware exposure data 245

Data such as ISO level, exposure time, focal length, and aperture and focus area is sent from the lens/camera module 200.

Depending on the device capabilities, such as maximum and minimum ISO, a quality indicator is produced. High ISO gives bad quality vs low ISO that gives a high quality indicator.

An optional exposure time quality indicator may be created, if a minimum exposure time is configured.

30 **Lens focal length, aperture, focus distance, sensor type and model and depth of field 247**

Depending on the device capabilities to change focal length and aperture, and given a known configured scene, a quality indicator may be provided to indicate how these parameters confront the given scene. For example, if the scene is a portrait and no face

is detected by component 216 yields a bad QI.

Another example may be to use the sensor type and model (component 200) to yield a QI related to it – professional quality may yield good quality, when a poor quality, less costly component, yields poor quality.

- 5 Another embodiment for this QI is for testing background blurring, which may sometimes actually be desired. For example, a scene with face recognition in 216 and a very small aperture, say f10 with focus distance in the hyper focal distance of component, 200 yields a bad quality, whereas a wide aperture, say f2.8 on these conditions, yields a good quality.

10

Under and overexposed quality indicator 243

Given configurable under and over thresholds (say 5% from pure white and 3% from pure black) the image frame given to the GPU is processed to compute areas that are underexposed and areas that are overexposed, e.g. similar to the zone system by Ansel Adams known in the field of photography.

15

The image frame is divided to a configurable number of areas; say 256 areas or 1024 areas. If a configurable number of percentages of pixels in an area (say 95%) are under or over exposed, the area is marked as under or over exposed. If the image sensor or operating system supports scene recognition/ scene mode, or object recognition is present, then the image sensor or operating system may be used in the evaluation of this quality indicator. For example, if the sun or a lamp is the brightest area in the image, they may be ignored. A point of bright light like the sun or a light bulb may be recognized by their pattern and may be ignored.

20

On another embodiment, the computation may be based on percentage of over and underexposed pixels in the image.

25

An image in which a large percentage is marked as over or under exposed, say over 40%, may get a bad over/under quality indicator. The same thresholding method may be used for the method of areas described before e.g. if over 40% of 256 areas are considered over exposed.

30

In another embodiment, pixel or areas inside or outside the focus area of the picture, as given by the lens/camera module 200, may have a different weight e.g. pixels or areas outside the focus area may have a lower affect on the quality indicator value.

This indicator may be used to indicate to the device that an High dynamic range (HDR) shot may be taken, and may be done either automatically or by notifying the

user. Depending on the device, this may be done automatically by taking 2 pictures with different exposure settings.

Histogram quality indicator 241

5 The under/over quality indicator is a special case of a more general quality indicator taking into account not just the histogram extreme, but also its central part, and also taking into account function structure and lens/camera module 200's available dynamic range.

10 This may be no reference, or a full reference (meaning in computation there is or there is not a reference to a preferred image), e.g. as in "The Design of High-Level Features for Photo Quality Assessment" by Yan Ke, Xiaoou Tang and Feng Jing.

Obstructing the lens quality indicator 246

15 Obstructing the lens may occur as a result of putting the finger partly or fully on the lens. For example, in bright conditions there may be a brown-red area in one corner. In dark conditions there may be no light at all in that location. Confidence in having recognized the situation may be enhanced as more frames are taken and the camera is moved around because if there is no obstruction on the lens, then the size of the area previously believed to be obstructed, would change significantly. There may be other
20 objects causing obstruction that may be recognized. If they are recognized, their name can be used in feedback to the user, instructing him to remove the obstruction.

 The amount of area and confidence may be used to give this quality indicator a degree/rating between "excellent" and "bad". For example, a finger blocking the lens may look on the image as a brownish area, probably in a corner of the frame. If the
25 color were green, or it is an isolated area in the middle, the confidence would be low.

 For the previous example (finger blocking appearing as a brownish area) the confidence is high.

Functionality 230 - Measuring distance to objects and creating a 4D environment measurement in real time e.g. by computation of Device/surrounding objects 4D position

As already described, the speed of the device in each direction may be measured and the distance traveled may be computed.

With the help of a GPS (e.g. based on unit 202 in Fig. 1) and/or step counting

hardware (unit 203) accuracy in the range of a few dozen or a dozen or centimetres or even a single centimetre may be computed by a person skilled in the area for the device 3D relative position in time, thereby to yield 4D position.

This could be used by component 270 to yield better QI accuracy. By measuring the boundaries of an object in one location and again in another location, after moving the device, the distance to the object may be measured (assuming the object is still). e.g. via parallax. Parallax is the apparent displacement of an object because of a change in the observer's point of view. Since cameras today easily achieve 8MP and more, typically, distance can be computed providing parameters such as lens focal length from component 200.

The 3D scene is built according to the input images from the image capturing unit 200 or any other sources. It can be based on multi-view image geometry techniques as introduced in “Multiple View Geometry in Computer Vision” by R. I. Hartley, A. Zisserman, Cambridge University Press (2004). The user may help by moving the device, either by walking a few steps or holding the device at full arm’s length and swinging it pointing to the scene in question. However, a full 3D scene reconstruction is not required. A partial reconstruction, including scene change in time, may suffice.

Since the methods used to estimate the distance include integrated estimation, such as the distance is between 2 to 3 meters, a confidence level on each object can be constructed, similar to that described in the confidence level section. Also, since the device position itself may have errors or uncertainties, this also can be used in the confidence level of each object. This confidence level can then be used by quality indicators using this component data, so that they may implement their own confidence level.

Aesthetic rules quality indicators 240

In photography, there exist ‘golden rules’ for fitting of the composition to a section that may give a better aesthetic looking picture. There are heuristics that provide a means of achieving an eye-pleasing composition such as but not limited to: rule of thirds, golden triangle, golden spiral, shapes and lines, amputation avoidance, visual balance, and diagonal dominance.

For example, when taking a picture on a beach, the sea and sky meet on the horizon ‘line’. To fit this rule, one must put the line either at one third-height or two-thirds height, thereby fitting the “rule of thirds”. Either one is “correct”. However, putting

the line in the middle creates a composition that is considered less favorable to the viewer.

There are various methods of testing a fit to this rule, for example in “Photographic”, *Volume 29 (2010), Number 2* “Optimizing Photo *Composition*” by L. G. Liu, R. J.

5 Chen, L. Wolf, and D. Cohen-Or.

Further types of aesthetic models exist, based on chroma and exposure. Some may only give a non-reference quality indication without suggestion on coordinate change, as in the previous article. For example, a model is described in published US20130188866.

10 In another embodiment, multiple aesthetic qualities may be used.

This aesthetic QI, can be used for suggestion to the user to move from his current location to another location, together with the other quality indicators like under/over, it may be suggested to the user that he should move from his current location.

15 For example, a lamp in the street behind a person at night will not be good even if it fits a golden rule. Using data from Device/surrounding objects 4D position computation component 230, we can assess distance to the person’s face, say 2 meters, the distance to a lamp of 4 meters height 4 meters behind him, we can suggest to the user that he should move 2 steps to the right and one forward, tilting the device 20
20 degrees to the left if he wishes to achieve a better aesthetic QI score and a better total QI.

Functionality 242: Same scene quality indicator

One of the problems solved by certain embodiments of the present invention
25 include a processing system to reduce or eliminate any need to take multiple pictures of the same scene, in order to get one good picture. If the proposed system negates this need, it may be helpful to indicate to the user he is taking unnecessary pictures that may only be a burden at a later stage.

This is a heuristic quality indicator, taking into account the time, location of device,
30 angle of device, object movement in the device and other parameters, including but not limited to photographic parameters such as ISO and focal length. It may require these parameters of previous pictures taken in recent time. One possible implementation includes comparing each QI and its confidence data to the QI and associated confidence level of a previously recorded and saved image in the last say 5 seconds (configurable).

If the data of each QI is the same, it may be concluded that it is a “bad” same scene quality indicator.

Functionality 400 and 401: Combining the separate quality indicators to total quality indicators

As described herein, some quality indicators and their confidence levels may depend on other QI data. For example, aesthetic QI computation 240 may need the data on image leveled to horizon from component 271. If confidence of 271 is very low, it may not use any other data. Some, but not limited to, examples of QI computation components can be seen in Fig 3.

Some quality indicators may be considered mandatory (unless specifically turned off) since they cause unacceptable blurring of the image:

- Focus
- Subject movement
- Device movement

Each device may have different hardware capabilities, thereby may not yield all the possible quality indicators or may not be able to process detail indicators, due to slow hardware. Some indicators may be ignored, if so configured by the user. One is then left with a set of indicators with which to compute.

A QI use in a total indicator may vary depending on situation. For example, “overexposed” quality indicator computation 243 may use data from object recognition in component 220. If the picture shows a sunset, it is likely that there will be over and underexposed areas, so in one embodiment it may be chosen to decrease importance of a sun-lit area and be less sensitive to overexposed QI in total computation. In another example, face exposure check may be increased if the face quality indicator suggests there is a face.

$$QI_ForTotal(t)_i = QI(t)_i * \prod_{j=1}^n f_{ij}(t, QI(t)_j, C_j)$$

As can be seen in this formula, there is a dependency in the confidence level C_j before it is used, so data of QI with low confidence level may not be used. There may be other ways to formulate these connections. This may be employed as a general case.

$$QI_{total} = \sum_{i=1}^n QI_ForTotal(t)_i * w(t, C_i)_i$$

$W(t)_i$ is the weight of each QI in the total and may be used to ignore QI if desired. $W(t)_i$ is dependent on time, since the user may choose to change it. $W(t)_i$ may be dependent on the confidence level. For example, if it is not desired to include below say 10% confidence, and w_i will be zero if $C_i < 0.1$.

- 5 There can be more than one type of total QI. For example, when computing total QI, and only mandatory QI are chosen (QI's considered mandatory by an application or use case), a mandatory total QI may be provided. This QI may be used to decide when to take the picture, e.g. as described below. Another option is to use all the QI to get a sense of the picture quality as a whole. One can choose to formulate other total QI for
10 other needs.

This formula is just one way to achieve a total indicator that is dependent on quality indicators, their confidence levels and their relations. The idea is to enable a general formula as quality indicators are added or removed in some embodiments, or for different implementations with various levels of complexity and interconnections
15 between QI.

Functionality 502: Taking a picture at the proper time using total quality indicator

It may be that the picture will not be taken when the shutter is pressed, but only when
20 a minimum threshold on specific QI with specific confidence level is met, when a total QI minimum threshold is met, or timeout occurs.

In such cases, the user may be shown, in real time, the QI values and possible suggestions, as indicated in 501. The data for the suggestions may be in 520, where QI and their confidence level may be used to show suggestions. Suggestions can be
25 shown for QI how a value is no good, and confidence level beyond a threshold, say 0.7.

The QI indication user interface may be a number, and may even be an icon representing the quality. For example 5 smiles may each represent a quality indicator. Smiling face – good, crying face – bad, and so on.

30 A picture, once taken, may be shown to the user with its quality indicators, together with further suggestions on how to improve (for example “image is underexposed in a large area”).

The image may not be saved or may be deleted if total QI or any other predetermined QI is below some quality indicator threshold. After the image is saved, the quality

indicators may be saved along with the image (one embodiment may be to use the EXIF convention used in JPEG files) so that they may be used at a later stage, such as when a user wants to see the picture quality days after it was taken.

Suggestions to the user on how to improve the picture and component 520

5 The user may choose to get suggestions from the application on how to improve the next shot. The application may use the quality indicators and their correlation to answer that.

 This can be done before a final picture is taken and/or after. The application may use quality indicators, their confidence level, importance and their correlation to respond. This is where the database with user suggestions, component 520, is used. The data in this can be a table of text to be shown for every given QI with a low value. In a more complex embodiment, it can be an SQL table being queried by multiple QI. An example of such a query on the database may be “select * from suggestion_table where QI1 > 0.9 and QI2 < 0.2” In this example QI1 can be module 10 200 ISO speed and QI2 can be device shake QI. The text retrieved can be “Try to use higher ISO speed to counteract device shake”. Another example can be QI1 is QI of 248 and QI2 is of 244. The text retrieved can be “focus may be off. Focus one another subject and try again”. There may be more complicated queries and embodiments, as a person in the field of databases can easily construct, given ideas from a person in the field of photography.

 Text suggestions may be accompanied by an image explaining them. For example, if there is a low quality indicator of under/over exposure, the implication may be presented to the user via text, and overexposed areas on a picture preview may be painted in red, and underexposed areas may be in blue.

25 The confidence levels may aid in recognizing the best suggestion to be retrieved from a table of suggestions. For example, one may use a QI with confidence larger than 0.5, and show suggestions in the order of confidence levels. In another example, certain QIs may always have priority over others, even if their confidence levels are lower than others, as long as they are higher than, say 0.7.

30

Device movement gestures as indications for shutter press and delete

 In another embodiment the user may not need to indicate he is ready by first pressing the shutter. In such cases, the device may assume that the user is ready at any time, or may wait for the device to be stationary hence pointed at some specific point

in space for a certain configured time. For example, the user may pull the device out of his pocket and point it to the desired scene and hold it there for a duration of one second. The device hardware may detect that the device has been in motion for a few seconds, and then held relatively still in space, pointing at a certain direction for say one second.

- 5 The system may assume that the user pulls the device out of his pocket in order to take a picture, and thus goes into “take picture” mode, waiting for the quality indicators to be above the threshold, then taking the picture automatically. The user may hear the sound of a picture being taken and return the device to his pocket. A shake gesture (available in mobile OS like iOS) may be an indication to the device to delete the picture
10 and start again. Alternatively, the shake gesture may be recognized via the device shake QI.

Using the system to evaluate video quality

- 15 A quality ranking system over continuous frames, may be used to evaluate a video comprising said frames. One method would be to compute and average the total quality indicators over frames.

In another embodiment a different set of weight functions w_i may be used e.g. different weights for different frames.

20 Further examples of system use are as follows:

- a) If device shake QI is bad or camera focus QI is bad, disregard use of aesthetic QI in total computation, even if user has indicated he would like to give it a high priority. This will prevent the device from taking a picture when the picture is blurry. The suggestion to the user can be “Hold still” or “wait for focus”. Once
25 shake is low and focus is optimal, aesthetic QI in total quality computations may be used.
- b) Quality reported by lens module 200 showing focus is fine, but independent focus blur QI 244 shows the lens is completely out of focus e.g. due to a poor lens module focus application. Therefore, confidence in the lens focus quality
30 indicator drops and the weight of this indicator in the total quality may be reduced.
- c) Device movement QI confidence level computed in 270 is low due to errors in computing location in Device/surrounding objects 4D position computation component 230, or to sub standard accelerometer, but face recognition system

216 with excellent confidence level, insists on a face for 10 frames straight. In this case, use face recognition QI in total QI even if shake in 270 is high, but only at a reduced percentage of, say, 50% of normal face QI.

5 d) Device movement importance is high if the depth of field of the lens is very small (for instance, in macro photography). For a quality picture, high confidence and low value of device shake QI in 270 are desirable, and their weight in the total QI may be high. User suggestions can be to hold still or use a flash, for example.

10 e) If previous frames indicated a face in the far left or right of the picture, and now there is no face, it is very possible that the picture has “half a face”, amputation, so that may be the feedback to the user. For example, a face has been identified by the face recognizing QI, but attributes low confidence as a result. The system can alert the user of a possible face amputation.

15 f) A person may want to take a picture of, say, his spouse in a scenic location, or near a historic building. He may choose to give aesthetic QI and recognized person a high priority. This priority may enable to build a total QI with that weight, and to instruct the photographer to move a few meters to the right and left for example, to get an approximated 3D environment in Device/surrounding objects 4D position computation component 230. The device may measure all
20 QI, especially the aesthetic QI, and may instruct the photographer on the best location to stand. This may depend on the place with the best total QI.

The system may if desired be implemented as a web-based system employing software, computers, routers and telecommunications equipment as appropriate.

25 Any suitable deployment may be employed to provide functionalities e.g. software functionalities shown and described herein. For example, a server may store certain applications, for download to clients, which are executed at the client side, the server side serving only as a storehouse. Some or all functionalities e.g. software functionalities shown and described herein may be deployed in a cloud environment. Clients e.g. mobile communication devices such as smartphones may be operatively
30 associated with but external to the cloud.

It is appreciated that terminology such as "mandatory", "required", "need" and "must" refer to implementation choices made within the context of a particular implementation or application described herewithin for clarity and are not intended to

be limiting since in an alternative implantation, the same elements might be defined as not mandatory and not required or might even be eliminated altogether.

It is appreciated that software components of the present invention including programs and data may, if desired, be implemented in ROM (read only memory) form including CD-ROMs, EPROMs and EEPROMs, or may be stored in any other suitable typically non-transitory computer-readable medium such as but not limited to disks of various kinds, cards of various kinds and RAMs. Components described herein as software may, alternatively, be implemented wholly or partly in hardware and/or firmware, if desired, using conventional techniques. Conversely, components described herein as hardware may, alternatively, be implemented wholly or partly in software, if desired, using conventional techniques.

Included in the scope of the present invention, inter alia, are electromagnetic signals carrying computer-readable instructions for performing any or all of the steps or operations of any of the methods shown and described herein, in any suitable order including simultaneous performance of suitable groups of steps as appropriate; machine-readable instructions for performing any or all of the steps of any of the methods shown and described herein, in any suitable order; program storage devices readable by machine, tangibly embodying a program of instructions executable by the machine to perform any or all of the steps of any of the methods shown and described herein, in any suitable order; a computer program product comprising a computer useable medium having computer readable program code, such as executable code, having embodied therein, and/or including computer readable program code for performing, any or all of the steps of any of the methods shown and described herein, in any suitable order; any technical effects brought about by any or all of the steps of any of the methods shown and described herein, when performed in any suitable order; any suitable apparatus or device or combination of such, programmed to perform, alone or in combination, any or all of the steps of any of the methods shown and described herein, in any suitable order; electronic devices each including a processor and a cooperating input device and/or output device and operative to perform in software any steps shown and described herein; information storage devices or physical records, such as disks or hard drives, causing a computer or other device to be configured so as to carry out any or all of the steps of any of the methods shown and described herein, in any suitable order; a program pre-stored e.g. in memory or on an information network such as the Internet, before or after being downloaded, which embodies any or all of

the steps of any of the methods shown and described herein, in any suitable order, and the method of uploading or downloading such, and a system including server/s and/or client/s for using such; a processor configured to perform any combination of the described steps or to execute any combination of the described modules; and hardware
5 which performs any or all of the steps of any of the methods shown and described herein, in any suitable order, either alone or in conjunction with software. Any computer-readable or machine-readable media described herein is intended to include non-transitory computer- or machine-readable media.

Any computations or other forms of analysis described herein may be
10 performed by a suitable computerized method. Any step described herein may be computer-implemented. The invention shown and described herein may include (a) using a computerized method to identify a solution to any of the problems or for any of the objectives described herein, the solution optionally include at least one of a decision, an action, a product, a service or any other information described herein that impacts,
15 in a positive manner, a problem or objectives described herein; and (b) outputting the solution.

The scope of the present invention is not limited to structures and functions specifically described herein and is also intended to include devices which have the capacity to yield a structure, or perform a function, described herein, such that even
20 though users of the device may not use the capacity, they are if they so desire able to modify the device to obtain the structure or function.

Features of the present invention which are described in the context of separate embodiments may also be provided in combination in a single embodiment.

For example, a system embodiment is intended to include a corresponding
25 process embodiment. Also, each system embodiment is intended to include a server-centered “view” or client centered “view”, or “view” from any other node of the system, of the entire functionality of the system, computer-readable medium, apparatus, including only those functionalities performed at that server or client or node.

30 Conversely, features of the invention, including method steps, which are described for brevity in the context of a single embodiment or in a certain order may be provided separately or in any suitable subcombination or in a different order. "e.g." is used herein in the sense of a specific example which is not intended to be limiting. Devices, apparatus or systems shown coupled in any of the drawings may in fact be

integrated into a single platform in certain embodiments or may be coupled via any appropriate wired or wireless coupling such as but not limited to optical fiber, Ethernet, Wireless LAN, HomePNA, power line communication, cell phone, PDA, Blackberry GPRS, Satellite including GPS, or other mobile delivery. It is appreciated that in the
5 description and drawings shown and described herein, functionalities described or illustrated as systems and sub-units thereof can also be provided as methods and steps therewithin, and functionalities described or illustrated as methods and steps therewithin can also be provided as systems and sub-units thereof. The scale used to
10 illustrate various elements in the drawings is merely exemplary and/or appropriate for clarity of presentation and is not intended to be limiting.

Claims:

1. A method for presenting suggestion to a user of a device that comprises in a single enclosure an image capturing unit that comprises at least two optical lens for focusing received light from a scene and an image sensor coupled to each optical lens for capturing images; wherein at least a partial reconstruction of a 3D scene is built at least partially according to the images from the image capturing unit, the method comprising:

analyzing the images for detecting or recognizing one or more objects;

obtaining a first value (QI1) associated with the distance to at least one of the objects;

selecting, based on the first value QI1, at least one appropriate suggestion from a pre-stored table of suggestions, and

presenting the selected suggestion to the user.

2. The method according to claim 1, further comprising obtaining a second value QI2 associated with a depth of field of said image is computed based on the focus distance and aperture of the at least one of said optical lens, and selecting the suggestion based on first and second values.

3. The method according to claim 1, further comprising grading the image quality according to, or based on the first value QI1.

4. The method according to claim 1, wherein the analyzing of at least one images for detecting or recognizing one or more objects uses algorithms of a deep learning.

5. The method according to claim 1, further comprising estimating the first value QI1 according to, or based on, detecting or recognizing of at least one face in the images.

6. The method according to claim 1, wherein one of said objects is a face or a person.

7. A method for presenting suggestion to a user of a device comprising in a single enclosure an image capturing unit that comprises at least two optical lens for focusing received light from a scene and an image sensor coupled to each optical lens for capturing images, the method comprising:

building a 3D scene at least partially according to the images from the image capturing unit;

analyzing the images for detecting or recognizing one or more objects;

obtaining a first value (QI1) associated with at least one of the objects;

selecting, based on the first value QI1, at least one appropriate suggestion from a pre-stored table of suggestions, and

presenting the suggestion to the user.

8. The method according to claim 7, further comprising computing a second value QI2 associated with a depth of field of one of said image, based on the focus distance and aperture of said optical lens; and selecting the suggestion based on first and second values.

9. The method according to claim 7, further comprising grading the image quality according to, or based on the first value QI1.

10. The method according to claim 7, wherein the analyzing of at least one images for detecting or recognizing one or more objects uses algorithms of a deep learning.

11. The method according to claim 7, further comprising estimating the first value QI1 according to, or based on, detecting or recognizing of at least one face in the images..

12. A method for presenting suggestion to a user of a device that comprises in a single enclosure a camera module that contains dual cameras or more for capturing images; the method comprising:

using a focus distance of at least one of the cameras to obtain a first value (QI1);

selecting, based on the first value QI1, at least one appropriate suggestion from a pre-stored table of suggestions, and

presenting the suggestion to the user.

13. The method according to claim 12, further comprising building at least a partial reconstruction of a 3D scene according to the images from the camera module; wherein the suggestion is selected based on the first value QI1 or the 3D scene.

14. The method according to claim 12, further comprising computing a second value QI2 associated with a depth of field based on the focus distance and aperture of at least one of the camera lens; and selecting said suggestion based on first and second values.

15. The method according to claim 12, wherein the analyzing of at least one images for detecting or recognizing one or more objects uses algorithms of a deep learning; and further comprising computing a second value QI2 associated with at least one of the objects; and selecting the suggestion based on first and second values (correct amendment?).

16. The method according to claim 15, further comprising grading the image quality according to, or based on, the first value (QI1) or second value (QI2).

17. The method according to claim 15, wherein the obtaining of the first value QI1 uses algorithms of a deep learning.

18. The method according to claim 12, wherein said suggestion is instructing said user to move from current location to another location.
19. The method according to claim 12, analyzing at least one of said images with algorithms of deep learning, for detecting or recognizing one or more object; wherein a second value QI2 associated with at least one of the objects; and selecting said suggestion based on first and second value.
20. The method according to claim 19, wherein said suggestion to the user is instructing said user to move from current location to another location.

ABSTRACT

A computerized method for computing the photo quality of a captured image in a device image acquisition system, comprising on-board combining of a plurality of quality indicators computed from said captured image and its previous image frames quality indicators and a confidence level for at least one of said quality indicators,; and using a processor to determine, based on said combining, whether photo quality is acceptable and taking differential action depending on whether quality is or is not acceptable.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	SIVAN-001-US7
		Application Number	
Title of Invention	REAL TIME ASSESSMENT OF PICTURE QUALITY		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2:

☐	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
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Inventor Information:

Inventor	1				Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	shay		SIVAN		
Residence Information (Select One) US Residency • Non US Residency Active US Military Service					
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Address 2					
City	Tel Aviv		State/Province		
Postal Code	6971408		Country ⁱ	IL	
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.					

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	131926		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	REAL TIME ASSESSMENT OF PICTURE QUALITY		
Attorney Docket Number	SIVAN-001-US7	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	4	Suggested Figure for Publication (if any)	

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	SIVAN-001-US7
		Application Number	
Title of Invention	REAL TIME ASSESSMENT OF PICTURE QUALITY		

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	131926		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	17666585	2022-02-08

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	SIVAN-001-US7
		Application Number	
Title of Invention	REAL TIME ASSESSMENT OF PICTURE QUALITY		

Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17666585	Continuation of	17189587	2021-03-02	11252325	2022-02-15
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17189587	Continuation of	16867919	2020-05-06	10944901	2021-03-09
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16867919	Continuation of	15992217	2018-05-30	10659682	2020-05-19
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15992217	Continuation of	15582722	2017-04-30	10009537	2018-06-26
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15582722	Continuation of	15007253	2016-01-27	9661226	2017-05-23
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15007253	Continuation of	14437105	2015-04-20	9338348	2016-05-10
Prior Application Status	Expired		Remove		
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
14437105	a 371 of international	PCT/IL2013/050856	2013-10-22		
Prior Application Status	Expired		Remove		
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
PCT/IL2013/050856	Claims benefit of provisional	61717216	2012-10-23		
Prior Application Status	Expired		Remove		
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
PCT/IL2013/050856	Claims benefit of provisional	61759643	2013-02-01		
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	SIVAN-001-US7
		Application Number	
Title of Invention	REAL TIME ASSESSMENT OF PICTURE QUALITY		

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)	Remove

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	SIVAN-001-US7
		Application Number	
Title of Invention	REAL TIME ASSESSMENT OF PICTURE QUALITY		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	SIVAN-001-US7
		Application Number	
Title of Invention	REAL TIME ASSESSMENT OF PICTURE QUALITY		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant	1	Remove
<p>If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.</p> <p style="text-align: right;">Clear</p>		
☒ Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:		
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		
Name of the Deceased or Legally Incapacitated Inventor: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		
If the Applicant is an Organization check here. ☒		
Organization Name	SnapAid Ltd.	
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Address 2		
City	Tel Aviv	State/Province
Country	IL	Postal Code
Phone Number		Fax Number
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Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	SIVAN-001-US7
		Application Number	
Title of Invention	REAL TIME ASSESSMENT OF PICTURE QUALITY		

Assignee	1			
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
<div>Remove</div>				
If the Assignee or Non-Applicant Assignee is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1		<input type="text"/>		
Address 2		<input type="text"/>		
City	<input type="text"/>	State/Province	<input type="text"/>	
Country ⁱ	<input type="text"/>	Postal Code	<input type="text"/>	
Phone Number	<input type="text"/>	Fax Number	<input type="text"/>	
Email Address	<input type="text"/>			
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. <div>Add</div>				

Signature:

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NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the **INITIAL** filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Yehuda Binder/		Date (YYYY-MM-DD)	2023-04-25	
First Name	Yehuda	Last Name	BINDER	Registration Number	73612
Additional Signature may be generated within this form by selecting the Add button. <div>Add</div>					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	SIVAN-001-US7
		Application Number	
Title of Invention	REAL TIME ASSESSMENT OF PICTURE QUALITY		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	REAL TIME ASSESSMENT OF PICTURE QUALITY
-------------------------------	--

As the below named inventor, I hereby declare that:

This declaration is directed to: ☒ The attached application, or
☐ United States application or PCT international application number _____
 filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

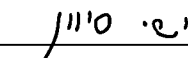
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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LEGAL NAME OF INVENTOR

Inventor: SIVAN Ishay Date (Optional) : _____

Signature: 

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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Routine uses of the information in this record may include disclosure to: 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law; 2) a Federal, state, local, or international agency, in response to its request; 3) a contractor of the USPTO having need for the information in order to perform a contract; 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record; 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record; 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations; 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals; 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)); 9) the Office of Personnel Management (OPM) for personnel research purposes; and 9) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

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Additional USPTO uses of the information in this record may include disclosure to: 1) the International Bureau of the World Intellectual Property Organization, if the record is related to an international application filed under the Patent Cooperation Treaty; 2) the public i) after publication of the application pursuant to 35 U.S.C. 122(b), ii) after issuance of a patent pursuant to 35 U.S.C. 151, iii) if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections, or an issued patent, or iv) without publication of the application or patent under the specific circumstances provided for by 37 CFR 1.14(a)(1)(v)-(vii); and/or 3) the National Archives and Records Administration, for inspection of records.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Ishay SIVAN	
	Art Unit		
	Examiner Name		
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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	8285067		2012-10-09	Steinberg , et al.	
	2	8244053		2012-08-14	Steinberg , et al.	
	3	7362354		2008-04-22	Lin; Qian	
	4	7688379		2010-03-30	Forman , et al.	
	5	8125557		2012-02-08	Chen , et al.	
	6	7920727		2011-05-04	Weng , et al.	
	7	8040382		2011-10-18	Kahn , et al.	
	8	7982770		2011-07-19	Kahn , et al.	

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Examiner Name		
Attorney Docket Number	SIVAN-001-US7	

9	8131118		2012-06-03	Jing , et al.	
10	8330826		2012-11-12	Cerosaletti; Cathleen D. ; et al.	
11	8081227		2011-20-12	Kim , et al.	
12	9154692		2015-06-10	Son , et al.	

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	1	20130155474		2013-06-20	Roach; John J. ; et al.	
	2	20090263028		2009-10-22	Kwon; Sung Jin	
	3	20060017820		2006-01-26	Kim; Su-hyun	
	4	20060056835		2006-03-16	Poon; Eunice ; et al.	
	5	20090278958		2009-11-12	Bregman-Amitai; Orna ; et al.	

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Examiner Name		
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6	20070195174		2007-08-23	Oren; Halpern	
7	20120133816		2012-05-31	Imai; Francisco	
8	20100290673		2010-11-18	MIYASHITA; Naoyuki	
9	20130058561		2013-03-07	Cheng; Chia-Ming	
10	20130038771		2013-02-14	Brunner; Ralph ; et al.	
11	20140050367		2014-02-20	CHEN; Francine ; et al.	
12	20130050507		2013-02-28	Syed; Zia ; et al.	
13	20120182447		2012-07-19	Gabay; Chanan	
14	20130063538		2013-03-14	Hubner; Paul ; et al.	
15	20120086847		2012-04-12	Foster; Brett	
16	20100026872		2010-02-04	JIANG; JIN-LIN	

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Examiner Name		
Attorney Docket Number	SIVAN-001-US7	

17	20040174434		2004-09-09	Walker, Jay S. ; et al.
18	20110279700		2011-11-17	Steinberg; Eran ; et al.
19	20110096180		2011-04-28	McCloskey; Scott ; et al.
20	20110075930		2011-03-31	Cerosaletti; Cathleen D. ; et al.
21	20060017820		2006-01-26	Kim; Su-hyun

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	1	2008033200	JP		2008-02-14	Nikon Corp		
	2	2007208922	JP		2007-08-16	Fujifilm Corp		
	3	2006050494	JP		2006-02-16	Casio Comput Co. Ltd.		
	4	2003069559	WO		2003-08-21	Lin; Qian		

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Examiner Name		
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5	2011148212	WO	2011-12-01	Sony Ericsson Mobile Communications AB
6	2004030378	WO	2004-04-08	Poulsen Anders
7	2013044983	WO	2013-04-04	KLAUS MICHAEL HOFFMAN

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Art Unit	
Examiner Name	
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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yehuda Binder/	Date (YYYY-MM-DD)	2023-04-25
Name/Print	Yehuda BINDER	Registration Number	73612

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
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	First Named Inventor	Ishay SIVAN	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	SIVAN-001-US7	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	7136537	B1	2006-11-14	Maurizio Pilu	
	2	7130463	B1	2006-10-31	Randall R. Spangler	
	3	6178294	B1	2001-01-23	HITOSHI SAKANO	
	4	6091911	A	2000-07-18	HITOSHI SAKANO	
	5	9232137	B2	2016-01-05	Lammers; Michael J.	
	6	9538083		2017-01-03	Lammers; Michael J.	
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Art Unit		
Examiner Name		
Attorney Docket Number	SIVAN-001-US7	

1	20120249837	A1	2012-10-04	Chen Lawrence Shao Hsien	
2	20070216787	A1	2007-09-20	Lin Peng W et al	
3	20110292221	A1	2011-12-01	Gu Ye et al	
4	20090251557	A1	2009-10-08	Kim Ki Tae et al	
5	20060017820	A1	2006-01-26	Kim Su-Hyun	
6	20130188866	A1	2013-07-25	Pere OBRADOR	
7	20020172432	A1	2002-11-21	Maurizio Pilu	
8	20060250515	A1	2006-11-09	Koseki; Hiroaki ; et al.	
9	20140320679	A1	2014-10-30	Lammers; Michael J.	
10	20120177352	A1	2012-07-12	Bruce Harold Pillman	
11	20130314511	A1	2013-11-28	Ding-Yun Chen	

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Examiner Name		
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12	20110193990	A1	2011-08-11	BRUCE H. PILLMAN
13	20120007996	A1	2012-01-12	Radu Ciprian Bilcu

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	1	2965140	EP	B1	2016-01-13	Microsoft Technology Licensing, LLC		

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	1	EPO, Supplementary European Search Report for EP 13849379.6, dated February 15, 2016	
	2	Yan Ke, Xiaou Tang and Feng Jing, "The Design of High-Level Features for Photo Quality Assessment" (8 pages)	
	3	R. I. Hartley, A. Zisserman, "Multiple View Geometry in Computer Vision", Cambridge University Press (2004) (673 pages)	
	4	L. G. Liu, R. J. Chen, L. Wolf, and D. Cohen-Or, "Optimizing Photo Composition", "Photographic", Volume 29 (2010), Number 2 (10 pages)	

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See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

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Signature	/Yehuda Binder/	Date (YYYY-MM-DD)	2023-04-25
Name/Print	Yehuda BINDER	Registration Number	73612

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	REAL TIME ASSESSMENT OF PICTURE QUALITY			
First Named Inventor/Applicant Name:	Ishay SIVAN			
Filer:	Yehuda Binder/Dorit Binder			
Attorney Docket Number:	SIVAN-001-US7			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	64	64
UTILITY SEARCH FEE	2111	1	280	280
UTILITY EXAMINATION FEE	2311	1	320	320
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				664

Electronic Acknowledgement Receipt

EFS ID:	47903254
Application Number:	18139368
International Application Number:	
Confirmation Number:	5294
Title of Invention:	REAL TIME ASSESSMENT OF PICTURE QUALITY
First Named Inventor/Applicant Name:	Ishay SIVAN
Customer Number:	131926
Filer:	Yehuda Binder/Dorit Binder
Filer Authorized By:	Yehuda Binder
Attorney Docket Number:	SIVAN-001-US7
Receipt Date:	26-APR-2023
Filing Date:	
Time Stamp:	04:35:10
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$664
RAM confirmation Number	E20234P535449500
Deposit Account	
Authorized User	

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File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal of New Application	Transmittal-letter.pdf	71360	no	2
			5b90f5ddaaf9dd2c9094c8aa90411c9547f4b7d6		
Warnings:					
Information:					
2	Power of Attorney	signed-POA.pdf	230090	no	2
			2e89d134d349ad6fcb4f33785f10c93d1a36696		
Warnings:					
Information:					
3	Specification	Spec-for-filing.pdf	207954	no	31
			821f7c3b6700c7559d23ed3ff3e0e445f7c3d366		
Warnings:					
Information:					
4	Claims	Sivan001-US7-Claims.pdf	30674	no	3
			515e50323580dd17399b21c7ebb1dde0a76a6571		
Warnings:					
Information:					
5	Abstract	Abstract.pdf	19016	no	1
			87e40e8254f4d8fd608bb4295709e2b0b0c22c60		
Warnings:					
Information:					
6	Drawings-only black and white line drawings	Fig1.pdf	36366	no	1
			42a5d26d4d44948440a07486df680c8ec22cb23b		
Warnings:					
Information:					

7	Drawings-only black and white line drawings	Fig2.pdf	55586	no	1
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Warnings:					
Information:					
8	Drawings-only black and white line drawings	Fig3.pdf	50768	no	1
			e8186e07b1aeb7d87c016b2fc43cb8c49bfa3fcc		
Warnings:					
Information:					
9	Drawings-only black and white line drawings	Fig4.pdf	44376	no	1
			45241110a50a3d9c77adfd02dfaffd0678ddb6c		
Warnings:					
Information:					
10	Application Data Sheet	aia0014-ADS.pdf	2226558	no	9
			e93ec1e486f3e7a70aee0d3402ff86e3275b658a		
Warnings:					
Information:					
11	Oath or Declaration filed	signed-oath.pdf	210064	no	2
			2efe814d906332f85529b4393845446a6ce759a3		
Warnings:					
Information:					
12	Information Disclosure Statement (IDS) Form (SB08)	IDS.pdf	1036408	no	7
			b38da3764b17250b0586c21c3dbc86ea29736a41		
Warnings:					
Information:					
13	Information Disclosure Statement (IDS) Form (SB08)	IDS1.pdf	1036204	no	6
			78ea1a382d151d4fd51b62721d053b446b66308f		
Warnings:					
Information:					

14	Fee Worksheet (SB06)	fee-info.pdf	43933	no	2
			679a1a328981b9fd4b48ac444944a2d15b556e6b		

Warnings:

Information:

Total Files Size (in bytes):	5299357
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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

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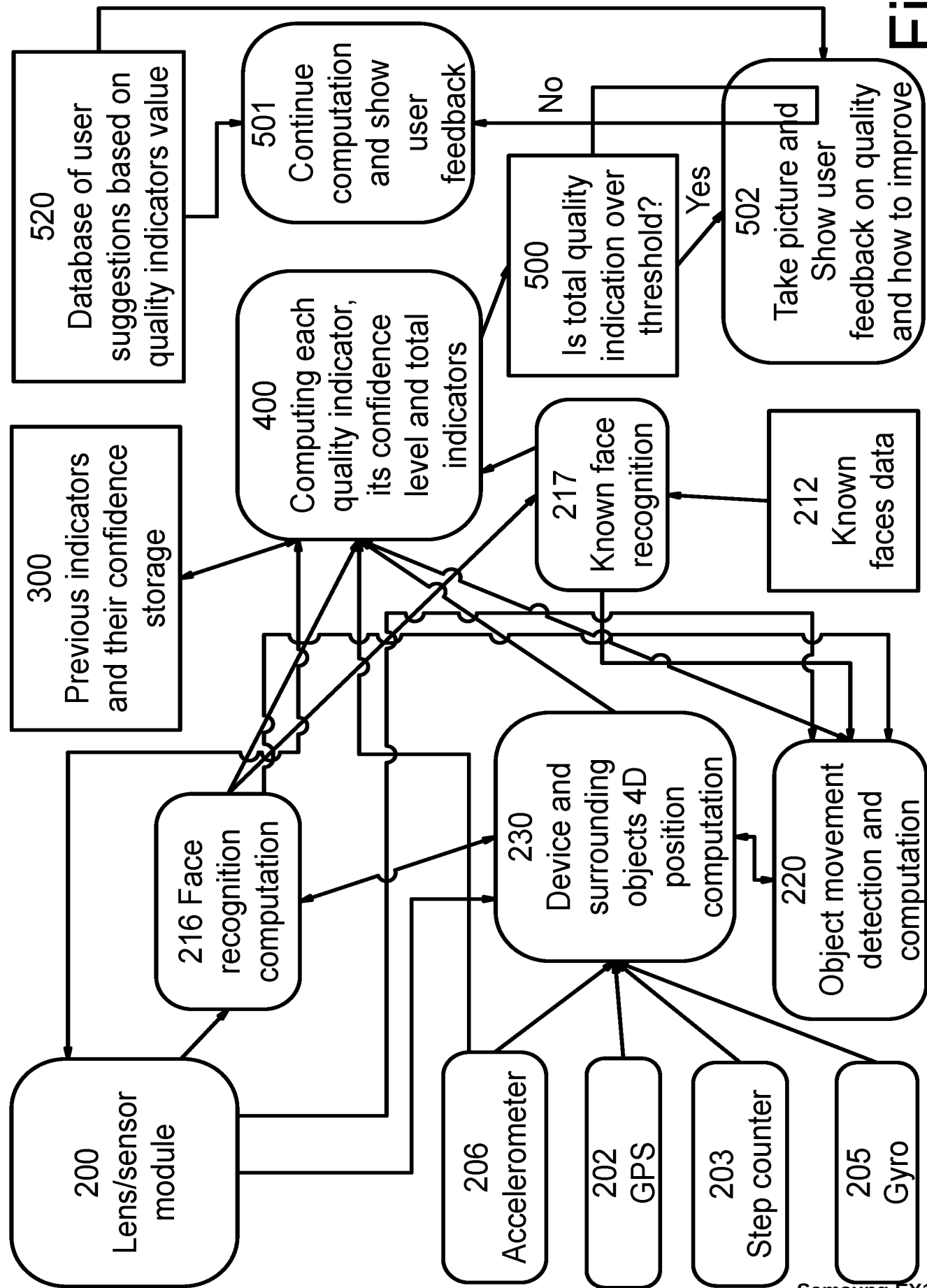


Fig. 1

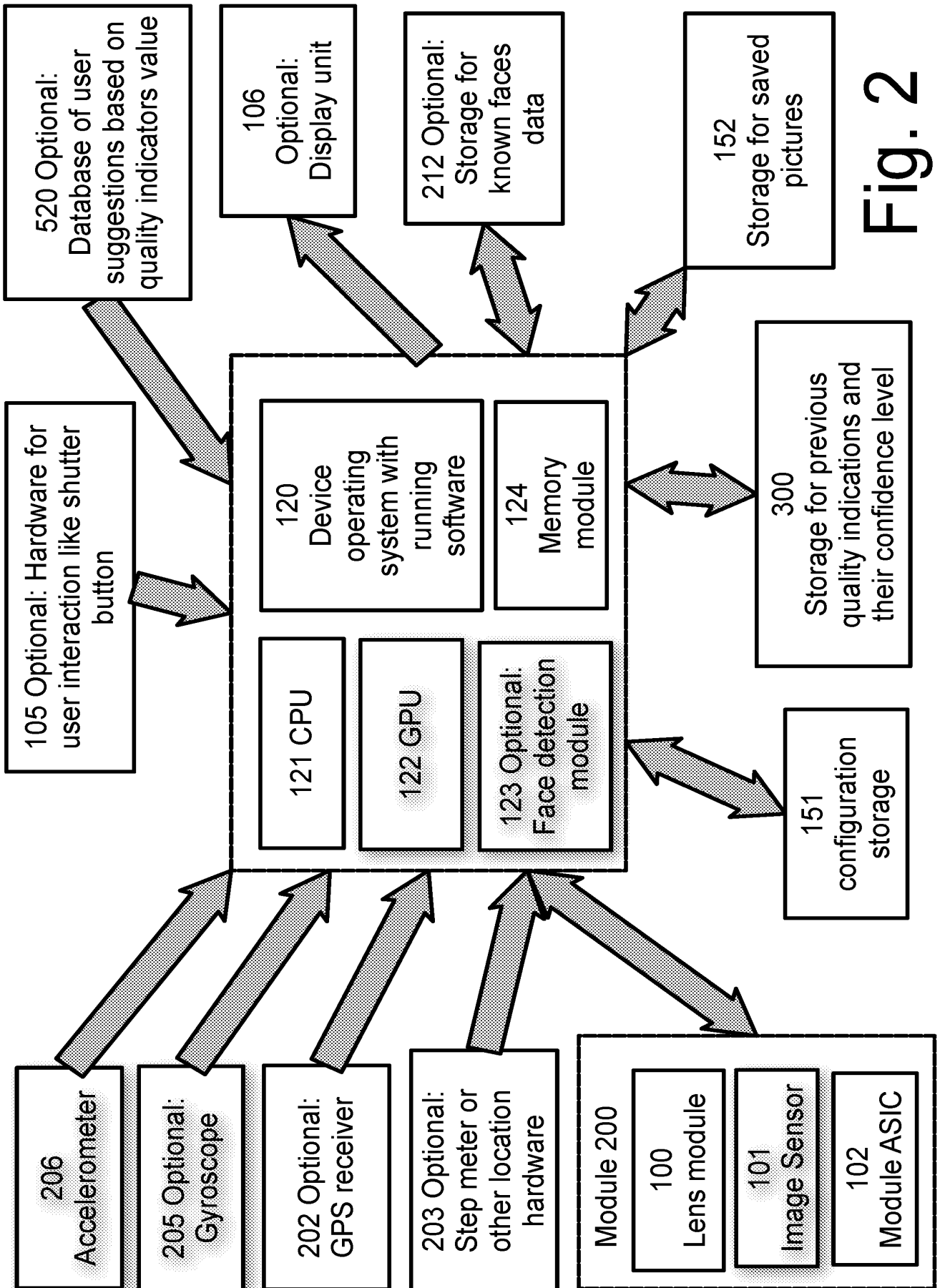


Fig. 2

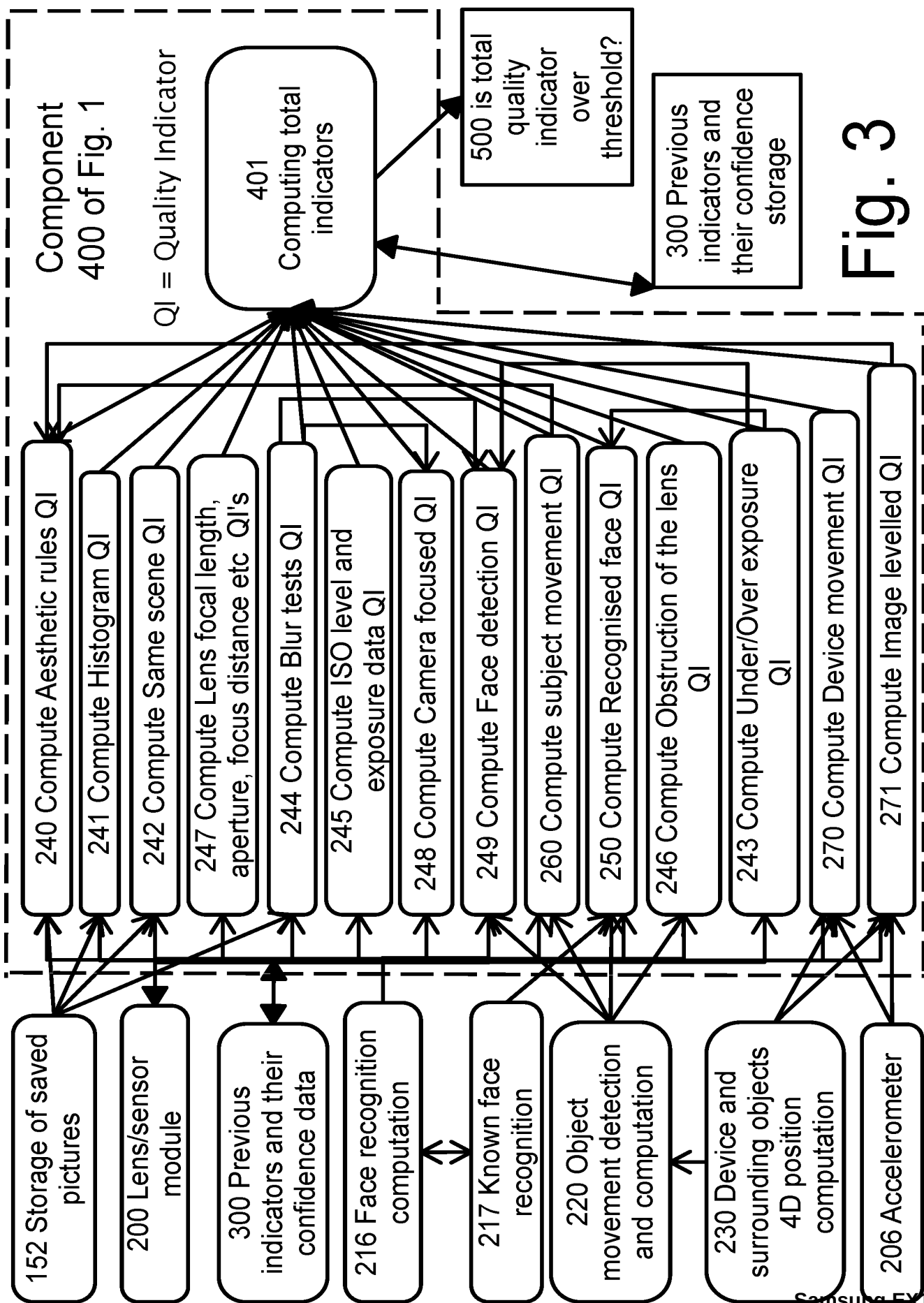


Fig. 3

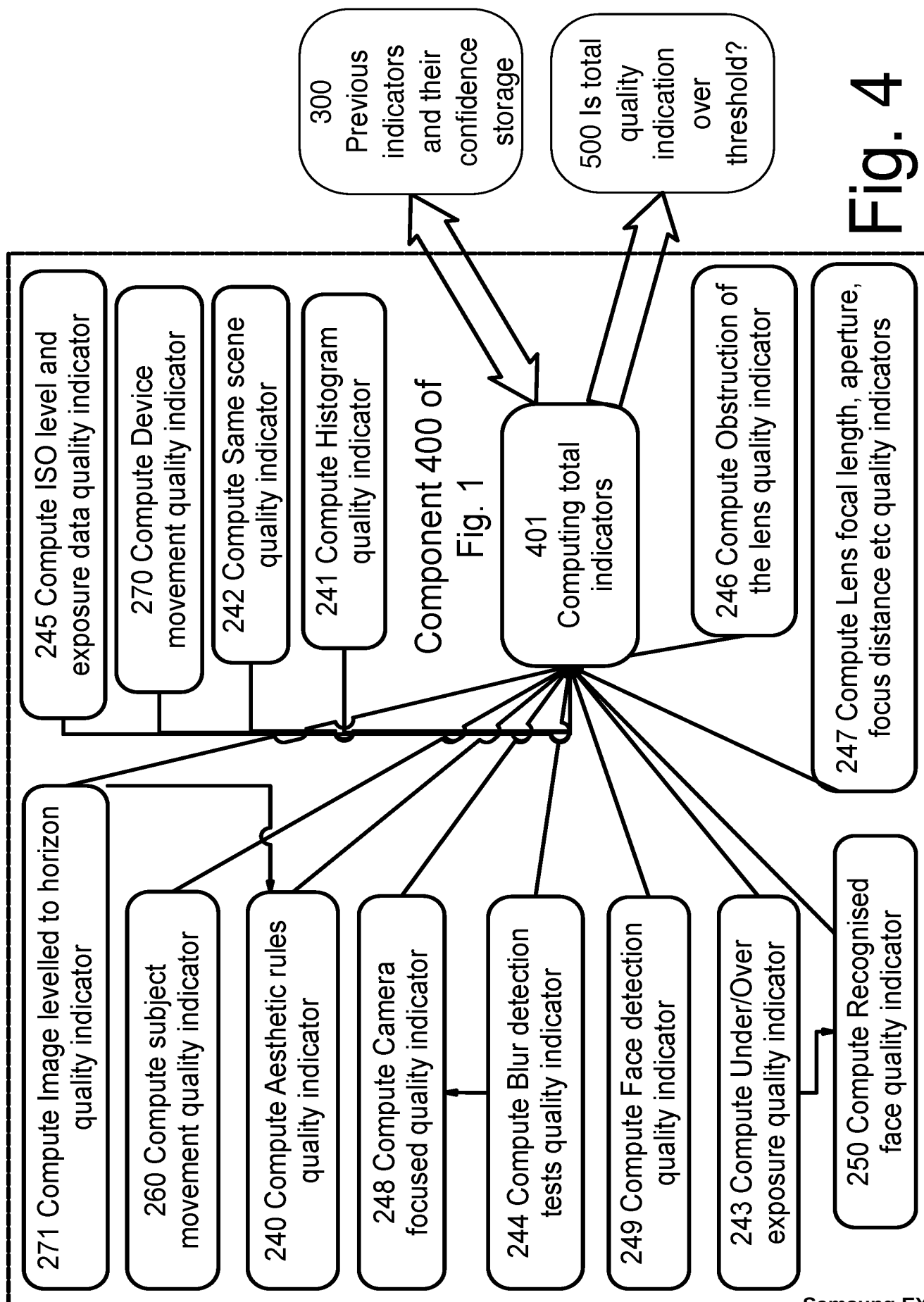


Fig. 4

CD Submission Review Results

Internal Worksheet Only - Do Not Scan

Application Number Receipt Date

☒ New Application ☐ Response To Notice Date Of Response

☐ Jumbo – Large tables are included on the

☒ There are no problems with the CDs in the submission

Items checked below are to be selected in the PALM Pre-Exam CD problem

Omitted Items

☐	Files on compact disc are unreadable:
☐	Disc(s) of either set not readable:
☐	Disc(s) do not contain file names listed:
☐	Amended CD missing unamended files
☐	Missing compact discs

Missing Parts

☐	Disc(s) do not contain file names listed
☐	Discs contains files that are non-ASCII files:
☐	Only one copy of the CD, no duplicate:
☐	Wrong media type, e.g., CD-RW:
☐	The transmittal letter and specification do not list information:
☐	Both disc(s) contain unreadable files:
☐	One disc(s) contain unreadable files:
☐	Compact disc(s) contain viruses, but are still readable:
☐	EFS/Paper Submission:
☐	Table does not maintain data in proper alignment:
☐	Not proper subject matter for CD's:

Informality

☐	No statement in transmittal letter that CD's are the same:
☐	No incorporation by reference statement for the CD's:
☐	CD's not labeled "Copy 1" and "Copy 2":
☐	Deficient CD packaging:
☐	Deficient Labeling on CD's:
☐	The transmittal letter does not list information:
☐	The specification does not list information:
☐	Table less than 51 pages submitted on CD:

File Directory Attachment

☐	Copy of file directory listing is attached and should be mailed to applicant
☐	Copy of file directory listing is not attached
☐	Copy of file directory listing is not attached because it is over one page long

Additional Comments

Internal Worksheet Only - Do Not Scan

/scoredcm/OIPE/mhabtewolde@USPTO.GOV/S1813936820230510100008/disk1/Fig1.pdf
/scoredcm/OIPE/mhabtewolde@USPTO.GOV/S1813936820230510100008/disk1/Fig2.pdf
/scoredcm/OIPE/mhabtewolde@USPTO.GOV/S1813936820230510100008/disk1/Fig3.pdf
/scoredcm/OIPE/mhabtewolde@USPTO.GOV/S1813936820230510100008/disk1/Fig4.pdf

SCORE Placeholder Sheet for IFW Content

Application Number: 18139368

Document Date: 04/26/2023

The presence of this form in the IFW record indicates that the following document type was received in electronic format on the date identified above. This content is stored in the SCORE database.

Since this was an electronic submission, there is no physical artifact folder, no artifact folder is recorded in PALM, and no paper documents or physical media exist. The TIFF images in the IFW record were created from the original documents that are stored in SCORE.

- Drawing

At the time of document entry (noted above):

- USPTO employees may access SCORE content via DAV or via the SCORE web page.
- External customers may access SCORE content via PAIR using the Supplemental Content tab.



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
18/139,368	04/26/2023		664	SIVAN-001-US7	20	3

CONFIRMATION NO. 5294

FILING RECEIPT



0000000056979786

131926
May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan, 5217102
ISRAEL

Date Mailed: 05/12/2023

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

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Inventor(s)

Ishay SIVAN, Tel Aviv, ISRAEL;

Applicant(s)

SnapAid Ltd., Tel Aviv, ISRAEL;

Power of Attorney: The patent practitioners associated with Customer Number 131926

Domestic Priority data as claimed by applicant

This application is a CON of 17/666,585 02/08/2022
which is a CON of 17/189,587 03/02/2021 PAT 11,252,325
which is a CON of 16/867,919 05/06/2020 PAT 10,944,901
which is a CON of 15/992,217 05/30/2018 PAT 10,659,682
which is a CON of 15/582,722 04/30/2017 PAT 10,009,537
which is a CON of 15/007,253 01/27/2016 PAT 9,661,226
which is a CON of 14/437,105 04/20/2015 PAT 9,338,348
which is a 371 of PCT/IL2013/050856 10/22/2013
which claims benefit of 61/717,216 10/23/2012
and claims benefit of 61/759,643 02/01/2013

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 05/10/2023

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/139,368**

Projected Publication Date: 08/17/2023

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

REAL TIME ASSESSMENT OF PICTURE QUALITY

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number
18/139,368

APPLICATION AS FILED - PART I

(Column 1)		(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	64		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	280		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	320		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*	x	= 0	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*	x	= 0			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	664		TOTAL	

APPLICATION AS AMENDED - PART II

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
Total (37 CFR 1.16(i))	*	Minus **	=	x	=	OR	x	=
Independent (37 CFR 1.16(h))	*	Minus ***	=	x	=	OR	x	=
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
Total (37 CFR 1.16(i))	*	Minus **	=	x	=	OR	x	=
Independent (37 CFR 1.16(h))	*	Minus ***	=	x	=	OR	x	=
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

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FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - Correspondence Notification for Customer Number 131926

Fri May 12 06:16:11 EDT 2023

Dear Patent Center Customer:

Correspondence Address:

May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan,null,5217102
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Application	Document	Mailroom Date	Attorney Docket No.
18139368	APP.FILE.REC	05/12/2023	SIVAN-001-US7

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
18/139,368	04/26/2023	Ishay SIVAN	SIVAN-001-US7

CONFIRMATION NO. 5294

131926
May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan, 5217102
ISRAEL

PUBLICATION NOTICE



00000000741013

Date Mailed: 08/17/2023

Title:REAL TIME ASSESSMENT OF PICTURE QUALITY

Publication No.US-2023-0262324-A1

Publication Date:08/17/2023

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Thu Aug 17 05:35:31 EDT 2023

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Application	Document	Mailroom Date	Attorney Docket No.
18139368	NTC.PUB	08/17/2023	SIVAN-001-US7

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/139,368	04/26/2023	Ishay SIVAN	SIVAN-001-US7	5294
131926	7590	01/16/2024		
May Patents Ltd. c/o Dorit Shem-Tov P.O.B 7230 Ramat-Gan, 5217102 ISRAEL			EXAMINER HANNETT, JAMES M	
			ART UNIT	PAPER NUMBER
			2639	
			NOTIFICATION DATE	DELIVERY MODE
			01/16/2024	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

dorit.shemtov@gmail.com
uspto.may.patents@gmail.com
ybybyb1@gmail.com

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Information Disclosure Statement

The information disclosure statements (IDS) submitted on 4/26/2023 were filed in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Objections

Claim 15 is objected to because of the following informalities: The claim recited "(correct amendment?)" Appropriate correction is required.

Claim Rejections - 35 USC § 103

In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis (i.e., changing from AIA to pre-AIA) for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1: Claims 1-17 and 19 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over US 2011/0074928 A1 Misawa in view of USPN 9,438,816 B2 Robinson et al.

2: As for Claim 1, Misawa depicts in Figures 10 and teaches in Paragraph [0006] A method for presenting suggestion to a user of a device that comprises in a single enclosure an image capturing unit that comprises at least two optical lens (30FR and 30FL) for focusing received light from a scene and an image sensor (34L and 34R) coupled to each optical lens (30FR and 30FL) for capturing images; wherein at least a partial reconstruction of a 3D scene (stereoscopic image is generated) is built at least partially according to the images from the image capturing unit (Paragraph [0097]), the method comprising: analyzing the images for detecting or recognizing one or more objects (face detection taught in Paragraph [0063]); obtaining a first value (Q1) (distance to face) associated with the distance to at least one of the objects (Paragraph [0066]). However, does not teach selecting, based on the first value Q1, at least one appropriate suggestion from a pre-stored table of suggestions, and presenting the selected suggestion to the user in order to improve the depth of focus of the captured images.

Robinson et al teaches on Column 9, Lines 53-67 and Column 10, Lines 16-33 selecting, based on the first value Q1 (object distance), at least one appropriate suggestion (aperture setting for desired depth of focus based on objects distances) from a pre-stored table of suggestions, and presenting the selected suggestion (Figures 4A-4D) to the user in order to improve the depth of focus of the captured images.

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention to modify the camera of Misawa to suggest a desired aperture setting to optimize the depth of field of the captured images based on the determined distances as taught by Robinson et al in order to improve depth of focus.

3: As for Claim 2, Robinson et al further teaches on Column 9, Lines 53-67 and Column 10, Lines 16-33 obtaining a second value Q12 (blur amount) associated with a depth of field of said image is computed based on the focus distance and aperture of the at least one of said optical lens, and selecting the suggestion (aperture size) based on first and second values. Robinson et al teaches suggesting an

aperture setting based on the distances to the objects in order to capture an image with an expanded depth of field.

4: As for Claim 3, Misawa further teaches in Paragraph [0057] further comprising grading the image quality (determining contrast to determine focus position) according to, or based on the first value Q11 (distance to face).

5: As for Claim 4, Misawa in view of Robinson et al performing image analysis to detect faces in images. However, does not teach using deep learning algorithms to perform the detection and image recognition.

Official Notice is taken that it was well known in the art at the time the invention was made to use deep learning algorithms to perform image recognition in order to improve image recognition capabilities.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use deep learning algorithms to perform image recognition in the invention of Misawa in view of Robinson et al in order to improve image recognition capabilities.

6: As for Claim 5, Misawa further teaches in Paragraphs [0006 and 0009] further comprising estimating the first value Q11 (distance to face) according to, or based on, detecting or recognizing of at least one face in the images.

7: As for Claim 6, Misawa further teaches in Paragraphs [0006 and 0009] wherein one of said objects is a face or a person.

8: As for Claim 7, Claim 7 is rejected for reasons discussed related to Claim 1.

9: As for Claim 8, Claim 8 is rejected for reasons discussed related to Claim 2.

10: As for Claim 9, Claim 9 is rejected for reasons discussed related to Claim 3.

11: As for Claim 10, Claim 10 is rejected for reasons discussed related to Claim 4.

12: As for Claim 11, Claim 11 is rejected for reasons discussed related to Claim 5.

- 13: As for Claim 12, Claim 12 is rejected for reasons discussed related to Claim 1.
- 14: As for Claim 13, Claim 13 is rejected for reasons discussed related to Claim 1.
- 15: As for Claim 14, Claim 14 is rejected for reasons discussed related to Claim 2.
- 16: As for Claim 15, Claim 15 is rejected for reasons discussed related to Claim 2 and 5.
- 17: As for Claim 16, Claim 16 is rejected for reasons discussed related to Claim 3.
- 18: As for Claim 17, Claim 17 is rejected for reasons discussed related to Claim 4.
- 19: As for Claim 19, Claim 19 is rejected for reasons discussed related to Claims 2 and 4.
- 20:** Claims 18 and 20 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over US 2011/0074928 A1 Misawa in view of USPN 9,438,816 B2 Robinson et al further in view of USPN 7,973,848 B2 Koh.
- 21: As for Claim 18, Misawa in view of Robinson et al teaches a system for providing suggestions to a camera user. However, does not teach wherein said suggestion is instructing said user to move from current location to another location.
- Koh teaches in Column 6, Lines 34-55 and depicts in Figures 6A-6F a camera system that assists a photographer in composing a photograph by measuring the distance to detected faces and suggesting to the camera user to move from a current location to another in order to improve the composition of the image and therefore, improve image quality.
- Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to enable the camera system of Misawa in view of Robinson et al to suggesting to the camera user to move from a current location to another as taught by Koh in order to improve the composition of the image and therefore, improve image quality.
- 22: As for Claim 20, Claim 20 is rejected for reasons discussed related to Claim 18.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES M HANNETT whose telephone number is (571)272-7309. The examiner can normally be reached 8:00 AM-5:00 PM Monday thru Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler Haskins can be reached at 571-272-7406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/JAMES M HANNETT/
Primary Examiner, Art Unit 2639

JMH
January 9, 2024

Notice of References Cited	Application/Control No. 18/139,368		Applicant(s)/Patent Under Reexamination SIVAN, Ishay	
	Examiner JAMES M HANNETT		Art Unit 2639	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Name	CPC Classification	US Classification
*	A	US-20110074928-A1	2011-03-31	MISAWA; Takeshi	G06T7/571	348/47
*	B	US-9438816-B2	2016-09-06	Robinson; M. Dirk	H04N23/72	1/1
*	C	US-7973848-B2	2011-07-05	Koh; Sung-shik	H04N23/64	348/333.02
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FOREIGN PATENT DOCUMENTS

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	N					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in YYYY-MM-DD format are publication dates. Classifications may be US or foreign.

<i>Search Notes</i> 	Application/Control No. 18/139,368	Applicant(s)/Patent Under Reexamination SIVAN, Ishay
	Examiner JAMES M HANNETT	Art Unit 2639

CPC - Searched*		
Symbol	Date	Examiner
H04N 23/64 (Combined with text search)	01/09/2024	JMH

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

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Search Notes		
Search Notes	Date	Examiner
PE2E text search	01/09/2024	JMH
Inventor Name Search	01/09/2024	JMH

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/JAMES M HANNETT/ Primary Examiner, Art Unit 2639	
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Doc code: IDS

PTO/SB/08a (03-15)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 07/31/2016. OMB 0651-0031

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Application Number

Filing Date

First Named Inventor

Ishay SIVAN

Art Unit

Examiner Name

Attorney Docket Number

SIVAN-001-US7

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	8285067		2012-10-09	Steinberg , et al.	
	2	8244053		2012-08-14	Steinberg , et al.	
	3	7362354		2008-04-22	Lin; Qian	
	4	7688379		2010-03-30	Forman , et al.	
	5	8125557		2012-02-08	Chen , et al.	
	6	7920727		2011-05-04	Weng , et al.	
	7	8040382		2011-10-18	Kahn , et al.	
	8	7982770		2011-07-19	Kahn , et al.	

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Application Number		
Filing Date		
First Named Inventor	Ishay SIVAN	
Art Unit		
Examiner Name		
Attorney Docket Number	SIVAN-001-US7	

9	8131118		2012-06-03	Jing , et al.	
10	8330826		2012-11-12	Cerosaletti; Cathleen D. ; et al.	
11	8081227		2011-20-12	Kim , et al.	
12	9154692		2015-06-10	Son , et al.	

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	1	20130155474		2013-06-20	Roach; John J. ; et al.	
	2	20090263028		2009-10-22	Kwon; Sung Jin	
	3	20060017820		2006-01-26	Kim; Su-hyun	
	4	20060056835		2006-03-16	Poon; Eunice ; et al.	
	5	20090278958		2009-11-12	Bregman-Amitai; Orna ; et al.	

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Application Number		
Filing Date		
First Named Inventor	Ishay SIVAN	
Art Unit		
Examiner Name		
Attorney Docket Number	SIVAN-001-US7	

6	20070195174		2007-08-23	Oren; Halpern	
7	20120133816		2012-05-31	Imai; Francisco	
8	20100290673		2010-11-18	MIYASHITA; Naoyuki	
9	20130058561		2013-03-07	Cheng; Chia-Ming	
10	20130038771		2013-02-14	Brunner; Ralph ; et al.	
11	20140050367		2014-02-20	CHEN; Francine ; et al.	
12	20130050507		2013-02-28	Syed; Zia ; et al.	
13	20120182447		2012-07-19	Gabay; Chanan	
14	20130063538		2013-03-14	Hubner; Paul ; et al.	
15	20120086847		2012-04-12	Foster; Brett	
16	20100026872		2010-02-04	JIANG; JIN-LIN	

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Application Number		
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First Named Inventor	Ishay SIVAN	
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Attorney Docket Number	SIVAN-001-US7	

17	20040174434		2004-09-09	Walker, Jay S. ; et al.
18	20110279700		2011-11-17	Steinberg; Eran ; et al.
19	20110096180		2011-04-28	McCloskey; Scott ; et al.
20	20110075930		2011-03-31	Cerosaletti; Cathleen D. ; et al.
21	20060017820		2006-01-26	Kim; Su-hyun

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	1	2008033200	JP		2008-02-14	Nikon Corp		
	2	2007208922	JP		2007-08-16	Fujifilm Corp		
	3	2006050494	JP		2006-02-16	Casio Comput Co. Ltd.		
	4	2003069559	WO		2003-08-21	Lin; Qian		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		
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First Named Inventor	Ishay SIVAN	
Art Unit		
Examiner Name		
Attorney Docket Number	SIVAN-001-US7	

5	2011148212	WO		2011-12-01	Sony Ericsson Mobile Communications AB		
6	2004030378	WO		2004-04-08	Poulsen Anders		
7	2013044983	WO		2013-04-04	KLAUS MICHAEL HOFFMAN		

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Application Number		
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First Named Inventor	Ishay SIVAN	
Art Unit		
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Attorney Docket Number	SIVAN-001-US7	

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The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yehuda Binder/	Date (YYYY-MM-DD)	2023-04-25
Name/Print	Yehuda BINDER	Registration Number	73612

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Doc code: IDS

PTO/SB/08a (03-15)

Doc description: Information Disclosure Statement (IDS) Filed

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Application Number

Filing Date

First Named Inventor

Ishay SIVAN

Art Unit

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	1	7136537	B1	2006-11-14	Maurizio Pilu	
	2	7130463	B1	2006-10-31	Randall R. Spangler	
	3	6178294	B1	2001-01-23	HITOSHI SAKANO	
	4	6091911	A	2000-07-18	HITOSHI SAKANO	
	5	9232137	B2	2016-01-05	Lammers; Michael J.	
	6	9538083		2017-01-03	Lammers; Michael J.	

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**INFORMATION DISCLOSURE
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Application Number	
Filing Date	
First Named Inventor	Ishay SIVAN
Art Unit	
Examiner Name	
Attorney Docket Number	SIVAN-001-US7

1	20120249837	A1	2012-10-04	Chen Lawrence Shao Hsien
2	20070216787	A1	2007-09-20	Lin Peng W et al
3	20110292221	A1	2011-12-01	Gu Ye et al
4	20090251557	A1	2009-10-08	Kim Ki Tae et al
5	20060017820	A1	2006-01-26	Kim Su-Hyun
6	20130188866	A1	2013-07-25	Pere OBRADOR
7	20020172432	A1	2002-11-21	Maurizio Pilu
8	20060250515	A1	2006-11-09	Koseki; Hiroaki ; et al.
9	20140320679	A1	2014-10-30	Lammers; Michael J.
10	20120177352	A1	2012-07-12	Bruce Harold Pillman
11	20130314511	A1	2013-11-28	Ding-Yun Chen

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Ishay SIVAN	
Art Unit		
Examiner Name		
Attorney Docket Number	SIVAN-001-US7	

	12	20110193990	A1	2011-08-11	BRUCE H. PILLMAN	
	13	20120007996	A1	2012-01-12	Radu Ciprian Bilcu	

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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	2965140	EP	B1	2016-01-13	Microsoft Technology Licensing, LLC		

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	EPO, Supplementary European Search Report for EP 13849379.6, dated February 15, 2016	
	2	Yan Ke, Xiaocui Tang and Feng Jing, "The Design of High-Level Features for Photo Quality Assessment" (8 pages)	
	3	R. I. Hartley, A. Zisserman, "Multiple View Geometry in Computer Vision", Cambridge University Press (2004) (673 pages)	
	4	L. G. Liu, R. J. Chen, L. Wolf, and D. Cohen-Or, "Optimizing Photo Composition", "Photographic", Volume 29 (2010), Number 2 (10 pages)	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Ishay SIVAN	
Art Unit		
Examiner Name		
Attorney Docket Number	SIVAN-001-US7	

EXAMINER SIGNATURE

Examiner Signature	/ JAMES M HANNETT /	Date Considered	01/09/2024
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Ishay SIVAN	
Art Unit		
Examiner Name		
Attorney Docket Number	SIVAN-001-US7	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yehuda Binder/	Date (YYYY-MM-DD)	2023-04-25
Name/Print	Yehuda BINDER	Registration Number	73612

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	0	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/23 08:51 AM
L2	73	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:51 AM
L3	9	L2 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:52 AM
L4	5	L3 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:52 AM
L5	10616	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:55 AM
L6	5	L4 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2015/10/23 08:56 AM

L7	3933	L5 and (real adj time or realtime or real-time)	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:56 AM
L8	1375	L7 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:56 AM
L9	1025	L8 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:56 AM
L10	20	L8 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:57 AM
L11	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2015/10/23 08:57 AM
L12	2	L4 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:58 AM
L13	775	L8 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:00 AM
L14	7264	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:00 AM
L15	292	L14 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:00 AM
L16	20	L15 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:04 AM
L17	1	L15 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:05 AM
L18	799	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:44 AM
L19	84	L18 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:44 AM
L20	1375	L8 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2015/10/23 09:44 AM

L21	21	L19 and buffer	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:44 AM
L22	2	L21 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:44 AM
L23	99145	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:46 AM
L24	20412	L23 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:46 AM
L25	1205	L24 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:46 AM
L26	468	L25 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:48 AM
L27	28	L26 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:48 AM
L28	2	L27 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:49 AM
L29	9	L26 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:51 AM
L30	6	L29 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:51 AM
L31	33099	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:53 AM
L32	102	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:53 AM
L33	3104	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2015/10/23 09:54 AM

L34	4219	h04n5/23229.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:54 AM
L35	5045	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:54 AM
L36	11935	L33 or L34 or L35	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:54 AM
L37	3	L36 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:54 AM
L38	2483	L36 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:56 AM
L39	50	L38 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:57 AM
L40	1	L38 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:57 AM
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L42	11	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 10:00 AM
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L44	24	"6463173" "6470147" "6486915" "6535244" "6555278" "6567536" "6577821" "6599668" "6602656" "6607873" "6618491" "6625396" "6628898" "6643387" "6741960" "6863368" "6892029" "6930718" "6947609" "6961518" "7019331" "7027087" "7042509" "7072525" "7084037" "7160573" "7177538" "7180238" "7195848" "7212230" "7269292" "7292270" "7315324" "7315630" "7315631" "7316630" "7316631" "7317815" "7336821" "7369712" "7403643" "7453493" "7453510" "7460695" "7469071" "7489341" "7548256" "7551755" "7565030" "7593144" "7623153" "7636486" "7639888" "7639889" "7660478" "7676108" "7689107" "7692696" "7697778" "7705884" "7738015").PN. OR ("2004/0174434" "2006/0017820" "2006/0056835" "2007/0195174" "2009/0263028" "2009/0278958" "2010/0026872" "2010/0290673" "2011/0096180" "2011/0279700" "2012/0086847" "2012/0133816" "2012/0182447" "2013/0038771" "2013/0050507" "2013/0058561" "2013/0063538" "2013/0155474" "2014/0050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").URPN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2015/10/23 10:02 AM
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L45	20	predetermined or pre-determined) with quality L44 and quality with image	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 10:02 AM
L46	0	L45 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 10:02 AM
L47	1	L45 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 10:04 AM
L48	52	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2015/10/23 10:06 AM
L49	34	L48 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 10:07 AM
L50	6	L49 and (suggest\$4 or recommend\$4) with	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2015/10/23 10:07 AM

L51	2	quality ("20160191801").PN.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2016/11/19 09:43 AM
L52	5	(US-20110075930-\$ or US-20060017820- \$).did. or (US-8330826- \$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 09:47 AM
L53	0	L52 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2016/11/19 09:47 AM
L54	2	L52 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2016/11/19 09:48 AM
L55	1	L52 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:05 AM
L56	0	L52 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:07 AM
L57	0	L52 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:07 AM
L58	0	L52 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:07 AM
L59	2	L52 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:07 AM
L60	0	L59 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:13 AM
L61	2	L59 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:13 AM
L62	1	L59 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:18 AM
L63	0	L59 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:18 AM
L64	18	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:19 AM
L65	682	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:22 AM
L66	28557	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:22 AM
L67	30568	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:22 AM
L68	0	quality with automatic with exposure with iso with shutter with	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:23 AM

L69	10	aperture quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:23 AM
L70	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:29 AM
L71	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:29 AM
L72	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:29 AM
L73	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:29 AM
L74	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:31 AM
L75	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:31 AM
L76	5	("20060017820" "20070 216787" "20090251557 " "20110292221" "2012 0249837" "2006001782 0" "20070216787" "200 90251557" "201102922 21" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/20 01:55 PM
L77	32	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" " 20130058561" "201300 63538" "20130155474" " "20140050367" "73623 54" "7688379" "792072 7" "7982770" "8040382" "8081227" "8125557" "8 1311118" "8244053" "8 285067" "8330826" "91 54692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/20 01:55 PM
L78	14	("20060061678" "20060221223"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2016/11/20 02:08 PM

		"20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.					
L79	63	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2016/11/21 05:39 PM
L80	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2016/11/21 05:40 PM
L81	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2016/11/22 09:10 AM
L82	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " "20130063538" "20130 155474" "20140050367 " "5125557" "7362354" "7 688379" "7920727" "7 982770" "8040382" "81 31118" "8244053" "828 5067").PN.").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 08:59 AM
L83	73	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100961 80" "20110279700" "20 120086847" "20120133 816" "20120182447" "2 0130038771" "2013005 0507" "20130058561" " 20130063538" "201301 55474" "20140050367" "5 125557" "7362354" "7 688379" "7920727" "79 82770" "8040382" "813	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM

L84	9	1118" "8244053" "8285067").PN. L83 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L85	5	L84 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L86	12861	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L87	5	L85 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L88	4951	L86 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L89	1612	L88 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L90	1225	L89 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L91	24	L89 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L92	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L93	2	L85 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L94	921	L89 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L95	8312	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L96	346	L95 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L97	22	L96 and confidence adj	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/02/07

L98	2	level L96 and confidence adj level with quality	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	08:59 AM 2017/02/07 08:59 AM
L99	945	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L100	100	L99 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L101	1612	L89 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L102	23	L100 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L103	3	L102 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L104	113435	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L105	23691	L104 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L106	1395	L105 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L107	545	L106 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L108	31	L107 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L109	3	L108 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L110	14	L107 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/02/07 08:59 AM

L111	10	L110 and user .clm.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L112	38946	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L113	135	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L114	5277	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L115	7841	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L116	6870	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L117	19023	L114 or L115 or L116	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L118	9	L117 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L119	3692	L117 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L120	75	L119 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L121	2	L119 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L122	96492	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L123	12	(predefined or pre- defined or predetermined or pre-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/02/07 08:59 AM

L124	786	determined) with quality with image with (suggestion\$4 or recomend or recommendation) ("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672" "20030151674" "20030152271" "20030152291" "20030169818" "20030193699" "20030219172" "20040047498" "20040066981" "20040076335" "20040081441" "20040090532" "20040106958" "20040120598" "20040120698" "20040130628" "20040135898" "20040145659" "20040169767" "20040170330" "20040212699" "20040218057" "20040218067" "20040247030" "20040247179" "20050010108" "20050019000" "20050031224" "20050041121" "20050041123" "20050047672" "20050052553" "20050057687" "20050068446" "20050068452" "20050078197" "20050140801" "20050157181"	IBM_TDB) (US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 08:59 AM
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L125	31	L124 and (predefined or pre-defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L126	27	L125 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L127	1	L126 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L128	3	L126 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L129	57	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 08:59 AM

		"5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.					
L130	38	L129 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L131	9	L130 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L132	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 08:59 AM
L133	5	(US-20110075930-\$ or US-20060017820- \$).did. or (US-8330826- \$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L134	0	L133 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L135	2	L133 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L136	1	L133 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L137	0	L133 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L138	0	L133 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L139	0	L133 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L140	2	L133 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L141	0	L140 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L142	2	L140 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L143	1	L140 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM

L144	0	L140 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L145	20	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L146	692	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L147	28750	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L148	30831	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L149	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L150	10	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L151	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L152	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L153	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L154	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L155	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L156	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L157	5	("20060017820" "20070216787" "20090251557" "20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L158	32	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "2009027895	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM

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L160	65	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L161	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 08:59 AM
L162	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 08:59 AM
L164	31683	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 09:32 AM
L165	0	L164 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:33 AM
L166	9664	L164 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:33 AM
L167	668	L166 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:33 AM
L168	366	L167 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:33 AM
L169	4	L168 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:34 AM

L170	3	L169 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:34 AM
L171	0	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L172	73	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L173	9	L172 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L174	5	L173 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L175	12861	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L176	5	L174 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L177	4951	L175 and (real adj time	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/02/07

		or realtime or real-time)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				12:23 PM
L178	1612	L177 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L179	1225	L178 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L180	24	L178 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L181	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L182	2	L174 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L183	921	L178 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L184	8312	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L185	346	L184 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L186	22	L185 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L187	2	L185 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L188	945	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L189	100	L188 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L190	1612	L178 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM

L191	23	L189 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L192	3	L191 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L193	113435	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L194	23691	L193 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L195	1395	L194 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L196	545	L195 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L197	31	L196 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L198	3	L197 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L199	14	L196 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L200	10	L199 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L201	38946	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L202	135	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L203	5277	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L204	7841	h04n5/23229.cpc.	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/02/07

L205	6870	h04n5/23258.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	12:23 PM
L206	19023	L203 or L204 or L205	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L207	9	L206 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L208	3692	L206 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L209	75	L208 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L210	2	L208 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L211	96492	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L212	12	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
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L214	31	L213 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L215	27	L214 and quality with	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/02/07

		image	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				12:23 PM
L216	1	L215 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L217	3	L215 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L218	57	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 12:23 PM
L219	38	L218 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L220	9	L219 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L221	2	("20160191801").PN.	(US-PGPUB; USPAT;	OR	ON	ON	2017/02/07

L222	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT)	OR	OFF	OFF	12:23 PM 2017/02/07 12:23 PM
L223	0	L222 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L224	2	L222 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L225	1	L222 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L226	0	L222 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L227	0	L222 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L228	0	L222 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L229	2	L222 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L230	0	L229 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L231	2	L229 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L232	1	L229 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L233	0	L229 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L234	20	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L235	692	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L236	28750	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L237	30831	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L238	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L239	10	quality with automatic with exposure with	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM

L240	0	shutter with aperture (retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L241	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L242	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L243	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L244	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L245	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L246	5	("20060017820" "20070 216787" "20090251557 "20110292221" "2012 0249837" "2006001782 0" "20070216787" "200 90251557" "201102922 21" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L247	32	("20040174434" "20060 017820" "20060056835 "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" " 20130058561" "201300 63538" "20130155474" " 20140050367" "73623 54" "7688379" "792072 7" "7982770" "8040382" "8081227" "8125557" " 8131118" "8244053" "8 285067" "8330826" "91 54692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L248	15	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 12:23 PM

L249	65	"20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN. "9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L250	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L251	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L252	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " "20130063538" "20130 155474" "20140050367 " "5125557" "7362354" "7 7688379" "7920727" "7 982770" "8040382" "81 31118" "8244053" "828 5067").PN.)".PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L253	73	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100961 80" "20110279700" "20 120086847" "20120133 816" "20120182447" "2 0130038771" "2013005 0507" "20130058561" " 20130063538" "201301 55474" "20140050367" "5 125557" "7362354" "7 688379" "7920727" "79 82770" "8040382" "813 1118" "8244053" "8285 067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L254	9	L253 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/02/07 12:23 PM

L255	5	L254 and (real adj time or realtime or real-time)	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L256	12861	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L257	5	L255 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L258	4951	L256 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L259	1612	L258 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L260	1225	L259 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L261	24	L259 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L262	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L263	2	L255 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L264	921	L259 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L265	8312	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L266	346	L265 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L267	22	L266 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L268	2	L266 and confidence	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/02/07

		adj level with quality	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				12:23 PM
L269	945	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L270	100	L269 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L271	1612	L259 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L272	23	L270 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L273	3	L272 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L274	113435	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L275	23691	L274 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L276	1395	L275 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L277	545	L276 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L278	31	L277 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L279	3	L278 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L280	14	L277 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L281	10	L280 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/02/07 12:23 PM

L282	38946	confidence adj level	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L283	135	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L284	5277	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L285	7841	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L286	6870	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L287	19023	L284 or L285 or L286	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L288	9	L287 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L289	3692	L287 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L290	75	L289 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L291	2	L289 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L292	96492	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L293	12	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM

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L295	31	L294 and (predefined or pre-defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L296	27	L295 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L297	1	L296 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L298	3	L296 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L299	57	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 12:23 PM

L300	38	"8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN. L299 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L301	9	L300 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L302	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L303	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L304	0	L303 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L305	2	L303 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L306	1	L303 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L307	0	L303 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L308	0	L303 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L309	0	L303 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L310	2	L303 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L311	0	L310 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L312	2	L310 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L313	1	L310 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L314	0	L310 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L315	20	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L316	692	quality with automatic	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07

L317	28750	with exposure quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	12:23 PM 2017/02/07 12:23 PM
L318	30831	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L319	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L320	10	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L321	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L322	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L323	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L324	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L325	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L326	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L327	5	("20060017820" "20070 216787" "20090251557 "20110292221" "2012 0249837" "2006001782 0" "20070216787" "200 90251557" "201102922 21" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L328	32	("20040174434" "20060 017820" "20060056835 "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM

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L329	15	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 12:23 PM
L330	65	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L331	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L332	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L333	31683	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L334	0	L333 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L335	9664	L333 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L336	668	L335 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L337	366	L336 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L338	4	L337 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L339	3	L338 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L340	0	("("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "200902789	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:15 AM

L341	73	58" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN. ("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L342	9	L341 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L343	5	L342 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L344	14303	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L345	5	L343 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L346	5581	L344 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L347	1746	L346 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:15 AM

L348	1331	L347 and quality	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L349	25	L347 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L350	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/12/01 08:15 AM
L351	2	L343 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L352	1003	L347 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L353	9003	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L354	382	L353 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L355	28	L354 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L356	2	L354 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L357	1032	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L358	111	L357 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L359	1746	L347 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L360	25	L358 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L361	3	L360 and image\$2 with (real adj time or	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:15 AM

L362	123276	realtime or real-time) with quality (real adj time or realtime or real-time) .clm.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L363	25830	L362 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L364	1504	L363 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L365	582	L364 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L366	33	L365 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L367	3	L366 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L368	14	L365 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L369	10	L368 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L370	43130	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L371	150	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L372	6248	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L373	9168	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L374	7683	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:15 AM

L375	21942	L372 or L373 or L374	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L376	11	L375 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L377	4318	L375 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L378	86	L377 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L379	2	L377 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L380	103496	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L381	13	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L382	875	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672" "20030151674" "20030152271" "20030152291" "20030169818" "20030193699" "20030219172" "20040047498"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:15 AM

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L384	29	L383 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L385	2	L384 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:15 AM

L386	4	L384 and (suggest\$4 or recommend\$4) with quality	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
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L388	41	L387 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L389	10	L388 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
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L391	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:15 AM

L392	0	\$ or US-9154692-\$ or US-8081227-\$).did. L391 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L393	2	L391 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L394	1	L391 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L395	0	L391 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L396	0	L391 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L397	0	L391 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L398	2	L391 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L399	0	L398 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L400	2	L398 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L401	1	L398 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L402	0	L398 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L403	22	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L404	722	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L405	29573	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L406	31984	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
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L409	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM

L410	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L411	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L412	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L413	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L414	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L415	5	("20060017820" "20070216787" "20090251557" "20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L416	32	("20040174434" "2006017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
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L418	67	("9154692").URPN. "9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L419	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L420	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L421	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " 20130063538" "20130 155474" "20140050367 " "5125557" "7362354" " 7688379" "7920727" "7 982770" "8040382" "81 31118" "8244053" "828 5067").PN.").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L422	73	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100961 80" "20110279700" "20 120086847" "20120133 816" "20120182447" "2 0130038771" "2013005 0507" "20130058561" " 20130063538" "201301 55474" "20140050367" " 5125557" "7362354" "7 688379" "7920727" "79 82770" "8040382" "813 1118" "8244053" "8285 067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L423	9	L422 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L424	5	L423 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L425	14303	image with capture with automatic\$4	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L426	5	L424 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L427	5581	L425 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L428	1746	L427 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L429	1331	L428 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L430	25	L428 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L431	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L432	2	L424 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L433	1003	L428 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L434	9003	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L435	382	L434 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L436	28	L435 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L437	2	L435 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L438	1032	sivan .in.	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/12/01

L439	111	L438 and (real adj time or realtime or real-time)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	08:16 AM
L440	1746	L428 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L441	25	L439 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L442	3	L441 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L443	123276	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L444	25830	L443 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L445	1504	L444 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L446	582	L445 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L447	33	L446 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L448	3	L447 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L449	14	L446 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L450	10	L449 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L451	43130	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L452	150	confidence adj level with quality with image	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L453	6248	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L454	9168	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L455	7683	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L456	21942	L453 or L454 or L455	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L457	11	L456 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L458	4318	L456 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L459	86	L458 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L460	2	L458 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L461	103496	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L462	13	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
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L464	33	"2014/0050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").URPN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L465	29	L464 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L466	2	L465 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L467	4	L465 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L468	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:16 AM

L469	41	"8330826" "9154692").URPN. L468 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L470	10	L469 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L471	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L472	5	(US-20110075930-\$ or US-20060017820- \$).did. or (US-8330826- \$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L473	0	L472 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L474	2	L472 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L475	1	L472 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L476	0	L472 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L477	0	L472 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L478	0	L472 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L479	2	L472 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L480	0	L479 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L481	2	L479 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L482	1	L479 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L483	0	L479 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L484	22	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L485	722	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L486	29573	quality with automatic with exposure wit hiso with shutter with	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM

L487	31984	aperture quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L488	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L489	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L490	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L491	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L492	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L493	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L494	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L495	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L496	5	("20060017820" "20070 216787" "20090251557 "20110292221" "2012 0249837" "2006001782 0" "20070216787" "200 90251557" "201102922 21" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L497	32	("20040174434" "20060 017820" "20060056835 "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" " 20130058561" "201300 63538" "20130155474" " 20140050367" "73623	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM

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L500	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L501	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L502	35268	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L503	0	L502 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L504	10705	L502 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L505	780	L504 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L506	411	L505 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L507	5	L506 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L508	3	L507 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L509	0	("("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "2012013	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM

L510	73	3816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN. ("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L511	9	L510 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L512	5	L511 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L513	14303	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L514	5	L512 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L515	5581	L513 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L516	1746	L515 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L517	1331	L516 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:16 AM

L518	25	L516 and quality near4 indicator\$4	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L519	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L520	2	L512 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L521	1003	L516 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L522	9003	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L523	382	L522 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L524	28	L523 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L525	2	L523 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L526	1032	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L527	111	L526 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L528	1746	L516 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L529	25	L527 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L530	3	L529 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L531	123276	(real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L532	25830	.clm. L531 and imag\$2 .clm.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L533	1504	L532 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L534	582	L533 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L535	33	L534 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L536	3	L535 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L537	14	L534 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L538	10	L537 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L539	43130	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L540	150	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L541	6248	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L542	9168	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L543	7683	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L544	21942	L541 or L542 or L543	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:16 AM

L545	11	L544 and confidence adj level with quality with image	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L546	4318	L544 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L547	86	L546 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L548	2	L546 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L549	103496	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L550	13	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L551	875	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672" "20030151674" "20030152271" "20030152291" "20030169818" "20030193699" "20030219172" "20040047498" "20040066981" "20040076335" "20040081441" "20040090532"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:16 AM

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L552	33	L551 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L553	29	L552 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L554	2	L553 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L555	4	L553 and (suggest\$4 or recommend\$4) with	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L556	61	quality ("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:16 AM
L557	41	L556 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L558	10	L557 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L559	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L560	5	(US-20110075930-\$ or US-20060017820- \$).did. or (US-8330826- \$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L561	0	L560 and shake	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/12/01

L562	2	L560 and motion	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	08:16 AM 2017/12/01 08:16 AM
L563	1	L560 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L564	0	L560 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L565	0	L560 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L566	0	L560 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L567	2	L560 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L568	0	L567 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L569	2	L567 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L570	1	L567 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L571	0	L567 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L572	22	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L573	722	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L574	29573	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L575	31984	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L576	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L577	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L578	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L579	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM

L580	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L581	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L582	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L583	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L584	5	("20060017820" "20070216787" "20090251557" "20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L585	32	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L586	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:16 AM
L587	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:16 AM

L588	18	("9001255").PN.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L589	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L590	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " 20130063538" "20130 155474" "20140050367 " "5125557" "7362354" " 7688379" "7920727" "7 982770" "8040382" "81 31118" "8244053" "828 5067").PN.").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L591	73	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100961 80" "20110279700" "20 120086847" "20120133 816" "20120182447" "2 0130038771" "2013005 0507" "20130058561" " 20130063538" "201301 55474" "20140050367" " 5125557" "7362354" "7 688379" "7920727" "79 82770" "8040382" "813 1118" "8244053" "8285 067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L592	9	L591 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L593	5	L592 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L594	14303	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L595	5	L593 and (real adj time or realtime or real-time)	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L596	5581	L594 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L597	1746	L596 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L598	1331	L597 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L599	25	L597 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L600	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L601	2	L593 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L602	1003	L597 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L603	9003	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L604	382	L603 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L605	28	L604 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L606	2	L604 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L607	1032	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L608	111	L607 and (real adj time	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/12/01

		or realtime or real-time)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				08:16 AM
L609	1746	L597 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L610	25	L608 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L611	3	L610 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L612	123276	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L613	25830	L612 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L614	1504	L613 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L615	582	L614 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L616	33	L615 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L617	3	L616 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L618	14	L615 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L619	10	L618 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L620	43130	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L621	150	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L622	6248	h04n5/23222.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L623	9168	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L624	7683	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L625	21942	L622 or L623 or L624	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L626	11	L625 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L627	4318	L625 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L628	86	L627 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L629	2	L627 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L630	103496	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L631	13	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
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L634	29	L633 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L635	2	L634 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L636	4	L634 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
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L639	10	L638 and (suggest\$4 or recommend\$4) with quality	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
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L642	0	L641 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L643	2	L641 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L644	1	L641 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L645	0	L641 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
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L647	0	L641 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L648	2	L641 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L649	0	L648 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L650	2	L648 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L651	1	L648 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L652	0	L648 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L653	22	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L654	722	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L655	29573	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L656	31984	quality with automatic with exposure wit iso with shutter with	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM

L657	0	aperture quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
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L659	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
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L662	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L663	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L664	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
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L671	35268	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L672	0	L671 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L673	10705	L671 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L674	780	L673 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L675	411	L674 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L676	5	L675 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L677	3	L676 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
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L680	9	L679 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L681	5	L680 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L682	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L683	5	L681 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L684	5755	L682 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L685	1783	L684 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L686	1352	L685 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L687	26	L685 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2018/02/21 02:19 PM

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L689	2	L681 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L690	1019	L685 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L691	9212	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L692	388	L691 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L693	30	L692 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
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L695	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L696	114	L695 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L697	1783	L685 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L698	26	L696 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L699	3	L698 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L700	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L701	26394	L700 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2018/02/21 02:19 PM

			JPO; DERWENT; IBM_TDB)				
L702	1529	L701 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L703	587	L702 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L704	33	L703 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L705	3	L704 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L706	14	L703 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L707	10	L706 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L708	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L709	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L710	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L711	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L712	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L713	23068	L710 or L711 or L712	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L714	11	L713 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2018/02/21 02:19 PM

L715	4489	L713 and quality with image	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L716	89	L715 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L717	2	L715 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L718	105426	(predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L719	14	(predefined or pre-defined or predetermined or pre-determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
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L722	29	L721 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L723	2	L722 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L724	4	L722 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L725	61	("20040075743" "20050226499" "20060061678"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:19 PM

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L726	41	L725 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L727	10	L726 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L728	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:19 PM
L729	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L730	0	L729 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L731	2	L729 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2018/02/21 02:19 PM

L732	1	L729 and motion adj sensor	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L733	0	L729 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L734	0	L729 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L735	0	L729 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L736	2	L729 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L737	0	L736 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L738	2	L736 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L739	1	L736 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L740	0	L736 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L741	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L742	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L743	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L744	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L745	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L746	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L747	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L748	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L749	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L750	5	(retake or recapture)	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21

L751	36	with exposure with different (retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	02:19 PM 2018/02/21 02:19 PM
L752	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L753	5	("20060017820" "20070 216787" "20090251557 " "20110292221" "2012 0249837" "2006001782 0" "20070216787" "200 90251557" "201102922 21" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L754	32	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" " 20130058561" "201300 63538" "20130155474" " 20140050367" "73623 54" "7688379" "792072 7" "7982770" "8040382" "8081227" "8125557" " 8131118" "8244053" "8 285067" "8330826" "91 54692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L755	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:19 PM
L756	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L757	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2018/02/21 02:20 PM

L758	5	((("8655311") or ("8750514")).PN.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:20 PM
L759	0	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:20 PM
L760	73	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L761	9	L760 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L762	5	L761 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L763	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L764	5	L762 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2018/02/21 02:20 PM

L765	5755	L763 and (real adj time or realtime or real-time)	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L766	1783	L765 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L767	1352	L766 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L768	26	L766 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L769	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L770	2	L762 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L771	1019	L766 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L772	9212	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L773	388	L772 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L774	30	L773 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L775	2	L773 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L776	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L777	114	L776 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L778	1783	L766 and buffer	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

L779	26	L777 and buffer	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:20 PM
L780	3	L779 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L781	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L782	26394	L781 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L783	1529	L782 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L784	587	L783 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L785	33	L784 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L786	3	L785 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L787	14	L784 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L788	10	L787 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L789	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L790	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L791	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2018/02/21 02:20 PM

L792	9674	h04n5/23229.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L793	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L794	23068	L791 or L792 or L793	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L795	11	L794 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L796	4489	L794 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L797	89	L796 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L798	2	L796 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L799	105426	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L800	14	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
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L802	33	L801 and (predefined or	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

L803	29	pre-defined or predetermined or pre-determined) with quality L802 and quality with image	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:20 PM 2018/02/21 02:20 PM
L804	2	L803 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L805	4	L803 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L806	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:20 PM
L807	41	L806 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L808	10	L807 and (suggest\$4 or	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

L809	2	recommend\$4) with quality ("20160191801").PN.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:20 PM 2018/02/21 02:20 PM
L810	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L811	0	L810 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L812	2	L810 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L813	1	L810 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L814	0	L810 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L815	0	L810 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L816	0	L810 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L817	2	L810 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L818	0	L817 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L819	2	L817 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L820	1	L817 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L821	0	L817 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L822	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L823	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L824	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L825	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L826	0	quality with automatic with exposure with iso	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM

L827	11	with shutter with aperture quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L828	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L829	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L830	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L831	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L832	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L833	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L834	5	("20060017820" "20070216787" "20090251557" "20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L835	32	("20040174434" "2006017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L836	16	("20060061678"	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

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L837	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L838	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:20 PM
L839	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:20 PM
L840	36321	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L841	0	L840 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L842	10954	L840 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L843	804	L842 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L844	421	L843 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L845	5	L844 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L846	3	L845 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L847	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " "20130063538" "20130 155474" "20140050367 " "5125557" "7362354" " 7688379" "7920727" "7	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:20 PM

L848	73	982770" "8040382" "8131118" "8244053" "8285067").PN.).PN. ("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L849	9	L848 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L850	5	L849 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L851	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L852	5	L850 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L853	5755	L851 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L854	1783	L853 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L855	1352	L854 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L856	26	L854 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L857	0	("2015/0288874").URP	(USPAT)	OR	OFF	OFF	2018/02/21

L858	2	N. L850 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:20 PM 2018/02/21 02:20 PM
L859	1019	L854 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L860	9212	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L861	388	L860 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L862	30	L861 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L863	2	L861 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L864	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L865	114	L864 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L866	1783	L854 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L867	26	L865 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L868	3	L867 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L869	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L870	26394	L869 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM

L871	1529	L870 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L872	587	L871 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L873	33	L872 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L874	3	L873 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L875	14	L872 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L876	10	L875 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L877	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L878	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L879	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L880	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L881	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L882	23068	L879 or L880 or L881	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L883	11	L882 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L884	4489	L882 and quality with	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

		image	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:21 PM
L885	89	L884 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L886	2	L884 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L887	105426	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L888	14	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L889	903	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672" "20030151674" "20030152271" "20030152291" "20030169818" "20030193699" "20030219172" "20040047498" "20040066981" "20040076335" "20040081441" "20040090532" "20040106958" "20040120598" "20040120698" "20040130628" "20040135898" "20040145659" "20040169767"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:21 PM

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L890	33	L889 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L891	29	L890 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L892	2	L891 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L893	4	L891 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L894	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:21 PM

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L895	41	L894 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L896	10	L895 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L897	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:21 PM
L898	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L899	0	L898 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L900	2	L898 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM

L901	1	L898 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L902	0	L898 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L903	0	L898 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L904	0	L898 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L905	2	L898 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L906	0	L905 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L907	2	L905 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L908	1	L905 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L909	0	L905 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L910	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L911	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L912	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L913	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L914	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L915	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L916	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L917	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L918	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L919	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM

L920	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L921	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L922	5	("20060017820" "20070 216787" "20090251557 " "20110292221" "2012 0249837" "2006001782 0" "20070216787" "200 90251557" "201102922 21" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L923	32	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" " 20130058561" "201300 63538" "20130155474" " "20140050367" "73623 54" "7688379" "792072 7" "7982770" "8040382" "8081227" "8125557" " 8131118" "8244053" "8 285067" "8330826" "91 54692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L924	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:21 PM
L925	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L926	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:21 PM
L927	5	((("8655311") or	(US-PGPUB; USPAT;	OR	ON	ON	2018/02/21

L928	0	("8750514").PN. ("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:21 PM 2018/02/21 02:21 PM
L929	73	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L930	9	L929 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L931	5	L930 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L932	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L933	5	L931 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM

L934	5755	L932 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L935	1783	L934 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L936	1352	L935 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L937	26	L935 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L938	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L939	2	L931 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L940	1019	L935 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L941	9212	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L942	388	L941 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L943	30	L942 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L944	2	L942 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L945	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L946	114	L945 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L947	1783	L935 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2018/02/21 02:22 PM

L948	26	L946 and buffer	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L949	3	L948 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L950	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L951	26394	L950 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L952	1529	L951 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L953	587	L952 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L954	33	L953 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L955	3	L954 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L956	14	L953 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L957	10	L956 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L958	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L959	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L960	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM

L961	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L962	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L963	23068	L960 or L961 or L962	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L964	11	L963 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L965	4489	L963 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L966	89	L965 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L967	2	L965 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L968	105426	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L969	14	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L970	903	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:22 PM

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L971	33	L970 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM

L972	29	L971 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L973	2	L972 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L974	4	L972 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L975	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:22 PM
L976	41	L975 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L977	10	L976 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM

L978	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:22 PM
L979	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L980	0	L979 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L981	2	L979 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L982	1	L979 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L983	0	L979 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L984	0	L979 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L985	0	L979 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L986	2	L979 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L987	0	L986 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L988	2	L986 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L989	1	L986 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L990	0	L986 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L991	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L992	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L993	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L994	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L995	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L996	11	quality with automatic	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21

L997	0	with exposure with shutter with aperture (retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:22 PM 2018/02/21 02:22 PM
L998	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L999	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1000	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1001	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1002	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1003	5	("20060017820" "20070216787" "20090251557" "20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1004	32	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1005	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:22 PM

L1006	67	"20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN. "9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1007	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:22 PM
L1008	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:22 PM
L1009	36321	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1010	0	L1009 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1011	10954	L1009 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1012	804	L1011 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1013	421	L1012 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1014	5	L1013 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1015	3	L1014 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1016	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " "20130063538" "20130 155474" "20140050367 " "5125557" "7362354" " 7688379" "7920727" "7 982770" "8040382" "81 31118" "8244053" "828 5067").PN.").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:22 PM
L1017	73	("20040174434" "20060	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

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L1018	9	L1017 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1019	5	L1018 and (real adj time or realtime or real- time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1020	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1021	5	L1019 and (real adj time or realtime or real- time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1022	5755	L1020 and (real adj time or realtime or real- time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1023	1783	L1022 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1024	1352	L1023 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1025	26	L1023 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1026	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1027	2	L1019 and (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2018/02/21 02:23 PM

L1028	1019	L1023 and quality near4 image	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1029	9212	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1030	388	L1029 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1031	30	L1030 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1032	2	L1030 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1033	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1034	114	L1033 and (real adj time or realtime or real- time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1035	1783	L1023 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1036	26	L1034 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1037	3	L1036 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1038	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1039	26394	L1038 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1040	1529	L1039 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM

L1041	587	L1040 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1042	33	L1041 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1043	3	L1042 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1044	14	L1041 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1045	10	L1044 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1046	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1047	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1048	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1049	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1050	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1051	23068	L1048 or L1049 or L1050	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1052	11	L1051 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1053	4489	L1051 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1054	89	L1053 and (suggest\$4	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

		or recommend\$4) with quality	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:23 PM
L1055	2	L1053 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1056	105426	(predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1057	14	(predefined or pre-defined or predetermined or pre-determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
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L1060	29	L1059 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1061	2	L1060 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1062	4	L1060 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1063	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:23 PM

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L1064	41	L1063 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1065	10	L1064 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1066	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:23 PM
L1067	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1068	0	L1067 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1069	2	L1067 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1070	1	L1067 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1071	0	L1067 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21

L1072	0	same parameters L1067 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1073	0	L1067 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1074	2	L1067 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1075	0	L1074 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1076	2	L1074 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1077	1	L1074 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1078	0	L1074 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1079	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1080	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1081	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1082	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1083	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1084	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1085	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1086	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1087	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1088	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21
L1089	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21

L1090	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
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L1092	32	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" " 20130058561" "201300 63538" "20130155474" "20140050367" "73623 54" "7688379" "792072 7" "7982770" "8040382" "8081227" "8125557" " 8131118" "8244053" "8 285067" "8330826" "91 54692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:24 PM
L1093	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:24 PM
L1094	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1095	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:24 PM
L1096	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:24 PM

L1097	0	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:24 PM
L1098	73	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1099	9	L1098 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1100	5	L1099 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1101	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1102	5	L1100 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1103	5755	L1101 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM

L1104	1783	L1103 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1105	1352	L1104 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1106	26	L1104 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1107	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2018/02/21 02:24 PM
L1108	2	L1100 and (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1109	1019	L1104 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1110	9212	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1111	388	L1110 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1112	30	L1111 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1113	2	L1111 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1114	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1115	114	L1114 and (real adj time or realtime or real- time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1116	1783	L1104 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1117	26	L1115 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2018/02/21 02:24 PM

L1118	3	L1117 and image\$2 with (real adj time or realtime or real-time) with quality	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1119	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1120	26394	L1119 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1121	1529	L1120 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1122	587	L1121 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1123	33	L1122 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1124	3	L1123 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1125	14	L1122 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1126	10	L1125 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1127	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1128	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1129	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1130	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM

L1131	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1132	23068	L1129 or L1130 or L1131	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1133	11	L1132 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1134	4489	L1132 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1135	89	L1134 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1136	2	L1134 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1137	105426	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1138	14	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
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L1141	29	L1140 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM

L1142	2	L1141 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1143	4	L1141 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1144	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:24 PM
L1145	41	L1144 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1146	10	L1145 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1147	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:24 PM

L1148	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:24 PM
L1149	0	L1148 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1150	2	L1148 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1151	1	L1148 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:24 PM
L1152	0	L1148 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:24 PM
L1153	0	L1148 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:24 PM
L1154	0	L1148 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:24 PM
L1155	2	L1148 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:24 PM
L1156	0	L1155 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1157	2	L1155 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1158	1	L1155 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1159	0	L1155 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
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L1161	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1162	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
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L1166	0	(retake or recapture) with automatic with	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM

L1167	0	exposure with shutter with aperture (retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1168	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1169	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1170	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1171	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
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L1173	32	(".20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
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L1175	67	"8199208" "8830341").PN. OR ("9154692").URPN. "9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1176	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:25 PM
L1177	5	((("8655311") or ("8750514"))).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:25 PM
L1178	36321	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1179	0	L1178 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1180	10954	L1178 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1181	804	L1180 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1182	421	L1181 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1183	5	L1182 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1184	3	L1183 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
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L1186	73	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM

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L1187	9	L1186 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1188	5	L1187 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1189	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1190	5	L1188 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1191	5755	L1189 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1192	1783	L1191 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1193	1352	L1192 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1194	26	L1192 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1195	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1196	2	L1188 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1197	1019	L1192 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2018/02/21 02:25 PM

L1198	9212	image\$2 with (real adj time or realtime or real-time) with quality	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1199	388	L1198 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1200	30	L1199 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1201	2	L1199 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1202	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1203	114	L1202 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1204	1783	L1192 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1205	26	L1203 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1206	3	L1205 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1207	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1208	26394	L1207 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1209	1529	L1208 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1210	587	L1209 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM

L1211	33	L1210 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1212	3	L1211 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1213	14	L1210 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1214	10	L1213 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1215	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1216	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1217	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1218	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1219	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1220	23068	L1217 or L1218 or L1219	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1221	11	L1220 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1222	4489	L1220 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1223	89	L1222 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1224	2	L1222 and (suggest\$4	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

		or recommend\$4) with quality with table	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:26 PM
L1225	105426	(predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1226	14	(predefined or pre-defined or predetermined or pre-determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
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L1229	29	L1228 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
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L1231	4	L1229 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
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L1237	0	L1236 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1238	2	L1236 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
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L1244	0	L1243 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
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L1268	9	L1267 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1269	5	L1268 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1270	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1271	5	L1269 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1272	5755	L1270 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1273	1783	L1272 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1274	1352	L1273 and quality	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

L1275	26	L1273 and quality near4 indicator\$4	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:27 PM
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L1278	1019	L1273 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1279	9212	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1280	388	L1279 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1281	30	L1280 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1282	2	L1280 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1283	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1284	114	L1283 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1285	1783	L1273 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1286	26	L1284 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1287	3	L1286 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM

L1288	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1289	26394	L1288 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1290	1529	L1289 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1291	587	L1290 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1292	33	L1291 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1293	3	L1292 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1294	14	L1291 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1295	10	L1294 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1296	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1297	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1298	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1299	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1300	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1301	23068	L1298 or L1299 or	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

		L1300	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:27 PM
L1302	11	L1301 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1303	4489	L1301 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1304	89	L1303 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1305	2	L1303 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1306	105426	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1307	14	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
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		"20060098891"					
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		"7042509" "7072525" "7084037" "7160573" "7177538" "7180238" "7195848" "7212230" "7269292" "7292270" "7315324" "7315630" "7315631" "7316630" "7316631" "7317815" "7336821" "7369712" "7403643" "7453493" "7453510" "7460695" "7469071" "7489341" "7548256" "7551755" "7565030" "7593144" "7623153" "7636486" "7639888" "7639889" "7660478" "7676108" "7689107" "7692696" "7697778" "7705884" "7738015").PN. OR ("2004/0174434" "2006/0017820" "2006/0056835" "2007/0195174" "2009/0263028" "2009/0278958" "2010/0026872" "2010/0290673" "2011/0096180" "2011/0279700" "2012/0086847" "2012/0133816" "2012/0182447" "2013/0038771" "2013/0050507" "2013/0058561" "2013/0063538" "2013/0155474" "2014/0050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").URPN.					
L1309	33	L1308 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1310	29	L1309 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1311	2	L1310 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM

L1312	4	L1310 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1313	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:27 PM
L1314	41	L1313 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1315	10	L1314 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1316	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:27 PM
L1317	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM

L1318	0	US-8081227-\$.did. L1317 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1319	2	L1317 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1320	1	L1317 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1321	0	L1317 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1322	0	L1317 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1323	0	L1317 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1324	2	L1317 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1325	0	L1324 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1326	2	L1324 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1327	1	L1324 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1328	0	L1324 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1329	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1330	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1331	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1332	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1333	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1334	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1335	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1336	0	(retake or recapture)	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21

L1337	0	with automatic with exposure with shutter with aperture (retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:28 PM 2018/02/21 02:28 PM
L1338	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1339	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1340	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1341	5	("20060017820" "20070216787" "20090251557" "20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1342	32	("20040174434" "2006017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1343	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:28 PM

L1344	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:28 PM
L1345	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:28 PM
L1346	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:28 PM
L1347	36321	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:28 PM
L1348	0	L1347 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1349	10954	L1347 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1350	804	L1349 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1351	421	L1350 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1352	5	L1351 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1353	3	L1352 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1354	42	("20020172432" "20040174434" "20060017820" "20060056835" "20070195174" "20070216787" "20090251557" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20110292221" "20120086847" "20120133816" "20120182447" "20120249837" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20130188866" "20140050367" "6091911" "6178294" "7130463" "7136537" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/22 08:14 AM

L1355	42	("20020172432" "20040174434" "20060017820" "20060056835" "20070195174" "20070216787" "20090251557" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20110292221" "20120086847" "20120133816" "20120182447" "20120249837" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20130188866" "20140050367" "2016091911" "2016178294" "2017130463" "2017136537" "2017362354" "2017688379" "2017920727" "2017982770" "2018040382" "2018081227" "2018125557" "2018131118" "2018244053" "2018285067" "2018330826" "2019154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/22 08:14 AM
L1356	42	L1354 or L1355	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:41 AM
L1357	24	L1356 and threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:41 AM
L1358	15	L1357 and weight\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:42 AM
L1359	0	L1358 and inertial	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:42 AM
L1360	0	L1358 and inert\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:42 AM
L1361	0	L1358 and object near4 recogn\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:43 AM
L1362	0	L1358 and previous same video	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:43 AM
L1363	7	(US-20110075930-\$ or	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/07/24

		US-20060017820-\$ or US-20060250515-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$ or US-7130463-\$).did.					10:29 AM
L1364	2	L1363 and blur	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:30 AM
L1365	46	("20020172432" "20040174434" "20060017820" "20060056835" "20060250515" "20070195174" "20070216787" "20090251557" "20090263028" "20090278958" "2010026872" "20100290673" "20110075930" "20110096180" "20110279700" "20110292221" "20120086847" "20120133816" "20120182447" "20120249837" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20130188866" "20140050367" "20140320679" "6091911" "6178294" "7130463" "7136537" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692" "9232137" "9538083").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/07/24 10:33 AM
L1366	6	L1363 and brightness	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:34 AM
L1367	0	L1363 and brightness with motion with blur	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:34 AM
L1368	0	L1363 and brightness and motion with blur	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:34 AM
L1369	2	L1363 and blur	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:34 AM
L1370	38930	motion adj detector	(US-PGPUB; USPAT;	OR	OFF	OFF	2019/07/24

L1371	2256	L1370 and bracket	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	10:35 AM
L1372	0	L1371 and motion with exposure adj time with brightness	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:35 AM
L1373	0	L1371 and blur with exposure adj time with brightness	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:35 AM
L1374	213	blur with exposure adj time with brightness	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:36 AM
L1375	176	blur with exposure adj time with brightness same motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:36 AM
L1376	5	L1375 and (gyroscope and accelerometer)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:37 AM
L1377	16	("20020127011" "20060 082672" "20060170784 "20070122130" "2009 0219415" "2010030935 5" "20110193990" "201 20007996" "201300442 30" "20130057713" "20 130076921" "20130136 364" "20130176458" "2 0130235222" "2013031 4511" "6816188").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/07/24 10:42 AM
L1378	81455	L1377 abd blur	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/07/24 10:43 AM
L1379	4	L1377 and blur	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/07/24 10:43 AM
L1380	15	("2011/0193990").URP N.	(USPAT)	OR	OFF	OFF	2019/07/24 10:54 AM
L1381	4	L1380 and blur	(USPAT)	OR	OFF	OFF	2019/07/24 10:55 AM
L1382	5	L1375 and gyroscope	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:58 AM
L1383	5	L1382 and accelerometer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2019/07/24 10:58 AM

L1384	7	(US-20110075930-\$ or US-20060017820-\$ or US-20060250515-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$ or US-7130463-\$).did.	IBM_TDB) (US-PGPUB; USPAT)	OR	OFF	OFF	2020/10/29 07:49 AM
L1385	11481	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1386	11481	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1387	11481	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1388	18156	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1389	11981	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1390	39363	L1386 or L1388 or L1389	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1391	19	L1390 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1392	1419	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:51 AM
L1393	52117	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 08:07 AM
L1394	50	("20020172432" "20040 174434" "20060017820 " "20060056835" "2006 0250515" "2007019517 4" "20070216787" "200 90251557" "200902630 28" "20090278958" "20 100026872" "20100290 673" "20110075930" "2 0110096180" "2011019	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/10/29 09:04 AM

		3990" "20110279700" "20110292221" "20120007996" "20120086847" "20120133816" "20120177352" "20120182447" "20120249837" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20130188866" "20130314511" "20140050367" "20140320679" "6091911" "6178294" "7130463" "7136537" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692" "9232137" "9538083").PN.					
L1395	13247	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:49 AM
L1396	21587	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:49 AM
L1397	13438	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:49 AM
L1398	9	snapaid .asn.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:49 AM
L1399	38	sivan with lshay .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:50 AM
L1400	45551	L1395 or L1396 or L1397	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:50 AM
L1401	41	L1398 or L1399	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:50 AM
L1402	2680836	lens	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:53 AM
L1403	865121	L1402 and focus\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2021/10/04 05:53 AM

L1404	182905	L1403 and motion	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:53 AM
L1405	3514	L1404 and weight with motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:54 AM
L1406	661	L1405 and (under or over) with (exposure or exposed)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:55 AM
L1407	173	L1406 and obstruction	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:56 AM
L1408	2	L1406 and obstruction with weight	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:57 AM
L1409	63	L1407 and neural adj network	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:57 AM
L1410	3747859	L1409 adn threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:58 AM
L1411	63	L1409 and threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:58 AM
L1412	104	L1400 and L1405	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:00 AM
L1413	41	L1398 or L1399	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:00 AM
L1414	15	L1413 and L1405	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:00 AM
L1415	41	L1413 or L1414	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:00 AM
L1416	2921	estimat\$4 with quality with images	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2021/10/04 06:04 AM

L1417	160	L1416 and (motion or location) near4 sensor	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:04 AM
L1418	27	L1417 and face with detect\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:06 AM
L1419	50	("20020172432" "20040174434" "20060017820" "20060056835" "20060250515" "20070195174" "20070216787" "20090251557" "20090263028" "20090278958" "2010026872" "20100290673" "20110075930" "20110096180" "20110193990" "20110279700" "20110292221" "20120007996" "20120086847" "20120133816" "20120177352" "20120182447" "20120249837" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20130188866" "20130314511" "20140050367" "20140320679" "6091911" "6178294" "7130463" "7136537" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692" "9232137" "9538083").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2021/10/04 06:12 AM
L1420	16	L1419 and face with detect\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:12 AM
L1421	5	L1420 and (under or over) with (exposure or exposed)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:13 AM
L1422	0	L1421 and (motion or location) near4 sensor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:13 AM
L1423	0	L1421 and weight with motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2021/10/04 06:13 AM

L1424	13	L1420 and focus\$4	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:14 AM
L1425	0	L1424 and obstruction with weight	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:14 AM
L1426	50	("20020172432" OR "20040174434" OR "20060017820" OR "20060056835" OR "20060250515" OR "20070195174" OR "20070216787" OR "20090251557" OR "20090263028" OR "20090278958" OR "20100026872" OR "20100290673" OR "20110075930" OR "20110096180" OR "20110193990" OR "20110279700" OR "20110292221" OR "20120007996" OR "20120086847" OR "20120133816" OR "20120177352" OR "20120182447" OR "20120249837" OR "20130038771" OR "20130050507" OR "20130058561" OR "20130063538" OR "20130155474" OR "20130188866" OR "20130314511" OR "20140050367" OR "20140320679" OR "6091911" OR "6178294" OR "7130463" OR "7136537" OR "7362354" OR "7688379" OR "7920727" OR "7982770" OR "8040382" OR "8081227" OR "8125557" OR "8131118" OR "8244053" OR "8285067" OR "8330826" OR "9154692" OR	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/28 11:31 AM

L1427	813630	"9232137" OR "9538083").pn. focus SAME distance	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:36 AM
L1428	941273	1427 depth near3 focus	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:36 AM
L1429	85399	1427 AND depth near3 focus	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:36 AM
L1430	12961	1429 AND (suggest\$4 OR recommendation OR recommend\$4)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/01/08 10:38 AM

L1431	6236	1430 AND 3d	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:39 AM
L1432	1006	1431 AND face SAME recognition	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:39 AM
L1433	1306	1431 AND (face OR facial) SAME recognition	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:39 AM

L1434	517	1433 AND deep ADJ learning	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:47 AM
L1435	403708	1433 AND deep ADJ learning samew focus SAME depth	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:48 AM
L1436	8	1433 AND deep ADJ learning SAME focus SAME depth	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:48 AM
L1437	79385	stereoscopic near4 camera	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2024/01/08 11:03 AM

L1438	857	1437 AND distance SAME focus SAME (face OR facial)	IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:04 AM
L1439	63	1438 AND deep ADJ learning	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:04 AM
L1440	252	1437 AND distance SAME focus SAME (face OR facial) SAME depth	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:10 AM

L1441	188	1440 AND quality	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:10 AM
L1442	1	1440 AND quality SAME suggestion	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:10 AM
L1443	11	1440 AND suggestion	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:11 AM
L1444	21	1440 AND sugges\$4 SAME distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2024/01/08 11:11 AM

L1445	22	1440 AND suggest\$4 SAME (distance OR move)	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:11 AM
L1446	2566	depth SAME field SAME aperture SAME distance SAME face	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:20 AM
L1447	94	depth SAME field SAME aperture SAME distance SAME face SAME (suggest\$4 OR recommend\$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:21 AM
L1448	39	depth SAME field	(US-PGPUB; USPAT;	OR	ON	ON	2024/01/08

		SAME aperture SAME distance SAME face SAME (suggest\$4 OR recommend\$4) SAME move	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				11:22 AM
L1449	3432	distance SAME face SAME (suggest\$4 OR recommend\$4) SAME move	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:24 AM
L1450	12	((US-20110075930-A1 OR US-20060017820-A1 OR US-20060250515-A1 OR US-20120177352-A1 OR US-20130314511-A1 OR US-20110193990-A1 OR US-20120007996-A1 OR US-20110074928-A1).did. AND PGPB.dbnm.) OR ((US-8330826-B2 OR US-9154692-B2 OR US-8081227-B1 OR US-7130463-B1).did. AND USPT.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:24 AM
L1451	0	1450 AND 1449	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2024/01/08 11:24 AM

L1452	231303	1450 (suggest\$4 OR recommend\$4) SAME move	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:24 AM
L1453	0	1450 AND (suggest\$4 OR recommend\$4) SAME move	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:24 AM
L1454	7	1450 AND (suggest\$4 OR recommend\$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:25 AM
L1455	0	1450 AND (suggest\$4	(US-PGPUB; USPAT;	OR	ON	ON	2024/01/08

		OR recommend\$4) SAME table	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				11:29 AM
L1456	0	1450 AND deep ADJ learning	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:12 PM
L1457	2923	facial ADJ recognition SAME deep ADJ learning	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:13 PM
L1458	127	facial ADJ recognition SAME deep ADJ learning SAME depth	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2024/01/08 01:13 PM

L1459	1	facial ADJ recognition SAME deep ADJ learning SAME depth SAME aperture	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:13 PM
L1460	27	facial ADJ recognition SAME deep ADJ learning SAME depth AND suggest\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:14 PM
L1461	1	facial ADJ recognition SAME deep ADJ learning SAME depth AND suggest\$4 near4 mov\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:14 PM
L1462	2923	facial ADJ recognition SAME deep ADJ	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2024/01/08 01:16 PM

		learning	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L1463	634	facial ADJ recognition SAME deep ADJ learning SAME distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:16 PM
L1464	22	facial ADJ recognition WITH deep ADJ learning WITH distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:16 PM
L1465	1258	facial ADJ recognition WITH deep ADJ learning	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2024/01/08 01:17 PM

L1466	0	facial ADJ recognition WITH deep ADJ learning SAME focus SAME aperture	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:30 PM
L1467	216	facial ADJ recognition near4 deep ADJ learning	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:33 PM
L1468	4	facial ADJ recognition near4 deep ADJ learning SAME distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:33 PM
L1469	1301	facial ADJ recognition WITH deep near4 learning	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2024/01/08 01:37 PM

L1470	26	facial ADJ recognition WITH deep near4 learning WITH distance	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:37 PM
L1471	1035	(facial OR face) WITH deep near4 learning WITH distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:39 PM
L1472	982	(facial OR face) WITH deep ADJ learning WITH distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2024/01/08 01:39 PM

L1473	23	"9338348"	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:41 PM
L1474	133059	deep ADJ learning near4 algorithm\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:42 PM
L1475	80583	deep ADJ learning ADJ algorithm\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:42 PM
L1476	20	deep ADJ learning ADJ algorithm\$4 near4 facial ADJ recognition	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/01/08 01:42 PM

L1477	93	deep ADJ learning ADJ algorithm\$4 near4 object SAME distance	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:42 PM
L1478	1457629	deep ADJ learning ADJ algorithm\$4 saem object SAME recogniz\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:44 PM
L1479	1133	deep ADJ learning ADJ algorithm\$4 SAME object SAME recogniz\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:44 PM

L1480	617	deep ADJ learning ADJ algorithm\$4 WITH object SAME recogniz\$4	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:45 PM
L1481	148	hannett .xa.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:55 PM
L1482	1207	hannett .xp.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:55 PM
L1483	1355	1481 OR 1482	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/01/08 01:55 PM

L1484	21	1483 AND deep ADJ learning	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:55 PM
L1485	3745	suggest\$4 SAME distance SAME aperture	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:36 PM
L1486	402	suggest\$4 SAME distance SAME aperture SAME camera	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:37 PM

L1487	10911885	suggest\$4 SAME distance SAME aperture SAME camera saem camera	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:37 PM
L1488	402	suggest\$4 SAME distance SAME aperture SAME camera SAME camera	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:37 PM
L1489	195	suggest\$4 SAME distance SAME aperture SAME camera SAME camera SAME object	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:37 PM
L1490	41	suggest\$4 SAME distance SAME aperture SAME camera SAME camera SAME depth near4 field	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/01/08 02:37 PM

L1491	0	143 AND suggest\$4 SAME distance SAME aperture SAME camera SAME camera SAME depth near4 field	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:39 PM
L1492	0	143 AND suggest\$4 SAME distance SAME aperture SAME depth near4 field	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:39 PM
L1493	0	143 AND suggest\$4 SAME distance SAME aperture	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/01/08 02:39 PM

L1494	0	143 AND suggest\$4	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:39 PM
L1495	114	1483 AND suggest\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:40 PM
L1496	4	1483 AND suggest\$4 SAME aperture	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:40 PM
L1497	11	"8897595"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2024/01/08 02:42 PM

L1498	19	"2009015681"	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:04 PM
L1499	3	"2009 015681"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:04 PM
L1500	19	"2009015681"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:04 PM

L1501	12	"20090015681"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:08 PM
L1502	19	"2009015681"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:14 PM
L1503	8	"9076204"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:14 PM
L1504	19	"2018115704"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2024/01/08 04:33 PM

L1505	8	"20180115704"	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:33 PM
L1506	75	machine ADJ learning WITH PSF	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:36 PM
L1507	72	machine ADJ learning SAME defocused	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:36 PM
L1508	3	machine ADJ learning	(US-PGPUB; USPAT;	OR	ON	ON	2024/01/08

		SAME defocused SAME loss ADJ function	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				04:37 PM
L1509	0	"20018115704"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:50 PM
L1510	0	"200180115704"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:50 PM
L1511	8459	pSF SAME regions	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:54 PM

L1512	514	pSF SAME regions SAME deconvolution	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:54 PM
L1513	52	PSF SAME regions SAME deconvolution SAME enhanc\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:54 PM
L1514	11	PSF SAME regions SAME deconvolution SAME enhanc\$4 AND depth near4 field	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:55 PM
L1515	89	(PSF OR point ADJ spread ADJ function)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2024/01/08 04:56 PM

		SAME regions SAME deconvolution SAME enhanc\$4	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L1516	12	"20090015681"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:00 PM
L1517	4049	depth NEAR objects SAME focal point SAME differenece	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:35 PM
L1518	5066317	depth NEAR objects SAME focal point SAME difference	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:35 PM

L1519	79	depth NEAR objects SAME focal ADJ point SAME difference	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:35 PM
L1520	42	depth NEAR objects SAME focal ADJ point SAME difference SAME calculat\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:36 PM
L1521	148	hannett .xa.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:37 PM
L1522	1207	hannett .xp.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2024/01/08 05:37 PM

L1523	1355	1522 OR 1521	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:37 PM
L1524	11	1523 AND focal ADJ point AND depth NEAR field	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:39 PM
L1525	63146462	depth SAME front SAME back saem object\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:40 PM

L1526	85107	depth SAME front SAME back SAME object\$4	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:40 PM
L1527	7077	depth SAME front SAME back SAME object\$4 SAME (focus OR focal)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:41 PM
L1528	1763	depth SAME front SAME back SAME object\$4 SAME (focus OR focal) SAME calculat\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:41 PM
L1529	87	depth SAME front near4 back near4 object\$4 SAME (focus OR focal) SAME calculat\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/01/08 05:41 PM

L1530	20	1529 AND depth ADJ map	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:42 PM
L1531	5000	depths SAME objects SAME distance SAME focal ADJ point	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:44 PM
L1532	2286	depths SAME objects SAME distance SAME focal ADJ point AND depth near4 focus	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:44 PM

L1533	346	depths SAME objects SAME distance SAME focal ADJ point AND DOF	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:44 PM
L1534	141	depths SAME objects SAME distance SAME focal ADJ point SAME DOF	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:44 PM
L1535	7	depths SAME objects SAME distance SAME focal ADJ point SAME DOF SAME map	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:44 PM
L1536	36	(Artificial Intelligence) More like doc: US-20230319401-A1 Text: (WO-2023192706-A1	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/01/08 05:46 PM

		OR US-20130293761-A1 OR US-9137526-B2 OR CN-107979716-A OR CN-107979716-B OR KR-20180044085-A OR KR-102550175-B1 OR US-20180115704-A1 OR US-10594932-B2 OR CN-102017607-B OR US-20110033132-A1 OR JP-5331816-B2 OR JP-WO2010098054-A1 OR CN-102017607-A OR WO-2010098054-A1 OR EP-2403235-A1 OR US-8422827-B2 OR EP-2403235-B1 OR TW-202303443-A OR US-20230011950-A1).did.	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
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PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

TO: uspto.may.patents@gmail.com,dorit.shemtov@gmail.com,ybybyb1@gmail.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - Correspondence Notification for Customer Number 131926

Tue Jan 16 05:07:27 EST 2024

Dear Patent Center Customer:

Correspondence Address:

May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan,null,5217102
ISRAEL

This is a courtesy notification regarding the following USPTO patent application(s) associated with your Customer Number, 131926, that have new outgoing correspondence. This correspondence is now available for viewing in Patent Center.

The official date of notification of the outgoing correspondence will be indicated on the form (e.g., PTOL-90) accompanying the correspondence.

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Application	Document	Mailroom Date	Attorney Docket No.
18139368	CTNF	01/16/2024	SIVAN-001-US7
18139368	892	01/16/2024	SIVAN-001-US7
18139368	1449	01/16/2024	SIVAN-001-US7
18139368	1449	01/16/2024	SIVAN-001-US7

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The Patent Center Team

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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)		Docket Number (Optional) SIVAN-001-US7
Application Number 18/139,368	Filed April 26, 2023	
For REAL TIME ASSESSMENT OF PICTURE QUALITY		
Art Unit 2639	Examiner JAMES M HANNETT	

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application.

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

	<u>Fee</u>	<u>Small Entity Fee</u>	<u>Micro Entity Fee</u>	
☒ One month (37 CFR 1.17(a)(1))	\$220	\$88	\$44	\$ <u>88</u>
☐ Two months (37 CFR 1.17(a)(2))	\$640	\$256	\$128	\$ _____
☐ Three months (37 CFR 1.17(a)(3))	\$1,480	\$592	\$296	\$ _____
☐ Four months (37 CFR 1.17(a)(4))	\$2,320	\$928	\$464	\$ _____
☐ Five months (37 CFR 1.17(a)(5))	\$3,160	\$1,264	\$632	\$ _____

☒ Applicant asserts small entity status. See 37 CFR 1.27.
☐ Applicant certifies micro entity status. See 37 CFR 1.29.
 Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.
☐ A check in the amount of the fee is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director has already been authorized to charge fees in this application to a Deposit Account.
☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to
 Deposit Account Number 601835.
☐ Payment made via USPTO patent electronic filing system.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the

☐ applicant.
☒ attorney or agent of record. Registration number 73,612.
☐ attorney or agent acting under 37 CFR 1.34. Registration number _____.

/Yehuda Binder/

Signature

May 15, 2024

Date

Yehuda BINDER

Typed or printed name

781-747-6018

Telephone Number

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☐ * Total of _____ forms are submitted.

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- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
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- 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c));
- 9) the Office of Personnel Management (OPM) for personnel research purposes; and
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UNITED STATES
PATENT AND TRADEMARK OFFICE

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/139,368

RECEIPT DATE / TIME
05/15/2024 08:11:41 AM Z ET

ATTORNEY DOCKET #
SIVAN-001-US7

Title of Invention

REAL TIME ASSESSMENT OF PICTURE QUALITY

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 5294

FILED BY Dorit Binder

PATENT CENTER # 65530222

FILING DATE 04/26/2023

CUSTOMER # 131926

FIRST NAMED INVENTOR
Ishay SIVAN

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Yehuda Binder

Documents

TOTAL DOCUMENTS: 4

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
Response-NFOA.pdf		8	-	67 KB
Response-NFOA-A...pdf	(1-1)	1	Amendment/Request for Reconsideration-After Non- Final Rejection	20 KB
Response-NFOA-CLM.pdf	(2-5)	4	Claims	50 KB
Response-NFOA-REM.pdf	(6-8)	3	Applicant Arguments/Remarks Made in an Amendment	38 KB
aia0022-ext.pdf		2	Extension of Time	331 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
Response-NFOA.pdf	4F11971B500B0B80C14B73D8E821199D9DA7696D9C503B07C 5366BE8F56811911175366E1B02BE8256A29DBF15108363A8C D2A19C272127911FF359808230351
Response-NFOA-A....pdf	E1CFBB7023039EA6702111ABABE2D907508082FC817380BAF 58004E9FACBAE9B78EEB3EE780D8AAF361F0E9CCD45981E6 0381278AFF05383DB5876F367A97B1E
Response-NFOA-CLM.pdf	A06C0F88D24028DF6D09A2B93EE4B960083622C3B2E09FB9A 3D67C6DFB166B20C6830CE41F71DD3E90A1802B0941BFAFE E735BD0CFC84842A450417D113DC200
Response-NFOA-REM.pdf	41552295298DFAA1F65B179B62692250DD6FF44775FE91924F EC93982C8FA38BCC62E5581C68BB8C99344CC2ECB6F2EBEC B78D1079D9F066F5EE6CDE11EB2374
aia0022-ext.pdf	4120299195F4C1464226F19490C04B82C348DFD3B70AA19C86 F31B52BAA5C09601A44E701E277FC3A6D32AA0342F006955B5 8DC1366520BDA5AF125B4ACA02E5

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY.'S DOCKET: SIVAN-001-US7

In re Application of:	)	Confirmation No. 5294
	)	
Ishay SIVAN	)	Art Unit: 2639
	)	
Appln. No.: 18/139,368	)	Examiner: JAMES M HANNETT
	)	
Filed: April 26, 2023	)	Washington, D.C.
	)	
For: REAL TIME ASSESSMENT OF PICTURE QUALITY	)	May 15, 2024
	)	

Response to Office Action

Honorable Commissioner for Patents
U.S. Patent and Trademark Office
Randolph Building,
Mail Stop Amendments
401 Dulany Street
Alexandria, VA 22314

Sir:

This is a response to the Non-Final Office Action of
January 16, 2024 ("The Action").

Amendments to the Claims appear in the Listing of
Claims that begins on page 2 of this paper.

Remarks / Arguments begin on page 6 of this paper.

Amendments to the claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims.

1.-20. (Cancelled).

21. (New) A method for estimating quality of at least one image from a stream of images, for use with a device that comprises in a single enclosure a digital camera module or functionality that comprises at least one optical lens for focusing received light from a scene and an image sensor coupled to the at least one optical lens for capturing an image of the scene; a motion or location sensor for sensing the device motion; and a processor coupled to the image sensor and to the digital camera for receiving data therefrom, the method by the processor comprising:

computing of at least one of the the following quality indicators: an aesthetic rules quality indicator, histogram quality indicator, lens focal length quality indicator, blur tests quality indicator, ISO level and exposure data quality indicator, camera focused quality indicator, face detection quality indicator, subject movement quality indicator, recognised face quality indicator, under or over exposure quality indicator, device movement quality indicator, image levelled quality indicator or any combination thereof;

estimating at least one weight value associated with a confidence level of at least one of quality indicators;

calculating a total quality indicator value according to, or based on at least one of quality indicators and at least one of said weight; and

saving the total quality indicator value of each image along with the image.

22. (New) The method according to claim 1, further comprising analyzing the captured image for detecting or recognizing objects in the image, wherein the at least one of the weights values is estimated according to, or based on, an estimated error in the analyzing the captured image.

23. (New) The method according to claim 1, wherein the at least one of the weight values is calculated at least partially over a time-dependent confidence level defined over at least one of their respective quality indicators.
24. (New) The method according to claim 1, wherein the at least one weight values is calculated based on an artificial neural network employing a deep learning algorithm.
25. (New) The method according to claim 1, wherein the image or images with a best total quality from the video stream of images is marked as such or suggested to a user.
26. (New) The method according to claim 22, wherein the at least one weight values is calculated based on an artificial neural network employing a deep learning algorithm.
27. (New) The method according to claim 23, wherein the at least one weight values is calculated based on an artificial neural network employing a deep learning algorithm.
28. (New) The method according to claim 1, wherein the total quality indicator is calculated as a weighted average of quality indicators and the respective weight value.
29. (New) A method for estimating quality of a digital image frame having pixels, where the digital image is taken from a video stream comprising multiple images, each image frame comprises an image of the scene; where the video stream is taken by a digital camera, the method comprising:
 - obtaining a first value (QI1) associated with the digital camera at the time of the image capture;
 - estimating a first weight (c1) associated with the first value;
 - analyzing the captured image for detecting or recognizing one or more objects in, or one or more characteristics of, the image;
 - obtaining a second value (QI2) associated with the analysis;
 - estimating a second weight (c2) associated with the second value; and
 - calculating a total value according to, or based on, the first value (QI1) weighted according to the first weight (c1), the second value (QI2) weighted according to the second weight (c2);wherein the second weight (c2) is partially based respective values of previous images in the video stream.

30. (New) The method according to claim 29, wherein the total value is saved with its corresponding image along with the image.
31. (New) The method according to claim 30, wherein at least one of the weight values is estimated according to, or based on, an estimated error in the analyzing the captured image for detecting or recognizing objects in the image.
32. (New) The method according to claim 30, wherein at least one of the weight values is calculated at least partially over a time-dependent confidence level defined over at least one of their respective qualities indicators.
33. (New) The method according to claim 30, wherein at least weight is calculated based on an artificial neural network employing a deep learning algorithm.
34. (New) The method according to claim 30, wherein the image or images with a best total quality from the video stream of images is marked as such or suggested to a user.
35. (New) The method according to claim 31, wherein at least one weight is calculated based on an artificial neural network employing a deep learning algorithm.
36. (New) A method for estimating quality of at least one image from a stream of images, for use with a device that comprises in a single enclosure a digital camera module or functionality that comprises at least one optical lens for focusing received light from a scene and an image sensor coupled to at least one optical lens for capturing an image of the scene; a motion or location sensor for sensing the device motion; and a processor coupled to the image sensor and to the digital camera for receiving data therefrom, the method by the processor comprising:
- computing of at least one of the the following quality indicators: an aesthetic rules quality indicator, histogram quality indicator, lens focal length quality indicator, blur tests quality indicator, ISO level and exposure data quality indicator, camera focused quality indicator, face detection quality indicator, subject movement quality indicator, recognised face quality indicator, under or over exposure quality indicator, device movement quality indicator, image levelled quality indicator or any combination thereof;
- estimating at least one weight value associated with the at least one of quality indicators;

calculating a total quality indicator value according to, or based on at least one of quality indicators and at least one of said weight; and

saving the total quality indicator value of each image along with the image.

37. (New) The method according to claim 36, further comprising analyzing the captured image for detecting or recognizing objects in the image, wherein at least one of the weight values is estimated according to, or based on, an estimated error in the analyzing the captured image.
38. (New) The method according to claim 36, wherein the total quality indicator is saved in each image EXIF.
39. (New) The method according to claim 36, wherein at least one weight values is calculated based on an artificial neural network employing a deep learning algorithm.
40. (New) The method according to claim 36, wherein the image or images with a best total quality from the video stream of images is marked as such or suggested to a user.

Appln. No. 18/139,368

Reply to Non-Final Office Action of January 16, 2024

REMARKS / ARGUMENTS

The examiner's action dated of January 16, 2024 (Hereinafter "Action") has been received, and its contents carefully noted.

Claims 1-20 are cancelled and claims 21-30 are added.

The cancelled claims described a suggestion to a user how to aim taking a picture of people and the device suggest him to move closer or not.

The new claims discuss calculating and saving a total quality based on a confidence.

Independent claim 21 lists a long list of quality indicators, aesthetic rules quality indicator (reference no. 240), histogram quality indicator (reference no. 241), lens focal length quality indicator (reference no. 247), blur detection quality indicator (reference no. 244), ISO level and exposure data quality indicator (reference no. 243), camera focused quality indicator (reference no. 248), face detection quality indicator (reference no. 249), object movement quality indicator (reference no. 260), recognised face quality indicator (reference no. 250), under or over exposure quality indicator (reference no. 243), device movement quality indicator (reference no. 270), image levelled quality indicator (reference no. 271).

The use of confidence is defined in pages 12 to 13 in the description.

Appln. No. 18/139,368

Reply to Non-Final Office Action of January 16, 2024

Independent claim 29 is based on claim 1 of US Application
No. 15/582,722 (US Patent 10,009,537).

Independent claim 36 is based on independent claim 21.

Appln. No. 18/139,368

Reply to Non-Final Office Action of January 16, 2024

The absence of a reply to a specific rejection, issue, or comment, does not signify agreement with that rejection, issue, or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims that have not been expressed.

Nothing in this reply should be understood as conceding any issue with regard to any claim, except as specifically stated in this reply, and the amendment of any claims does not necessarily signify concession of unpatentability to the claim before its amendment.

In view of the foregoing, it is requested that all of the rejections be reconsidered and withdrawn and that the claims be considered allowable.

If the above arguments should not now place the application in the condition for allowance, the examiner is invited to call undersigned counsel to resolve any remaining issues.

Respectfully submitted,

By /Yehuda Binder/
 Yehuda Binder
 Registration No. 73,612

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PATENT AND TRADEMARK OFFICE

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Alexandria, VA 22313 - 1450
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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
18/139,368

RECEIPT DATE / TIME
05/15/2024 08:11:41 AM Z ET

ATTORNEY DOCKET #
SIVAN-001-US7

Title of Invention

REAL TIME ASSESSMENT OF PICTURE QUALITY

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 5294

FILED BY Dorit Binder

PATENT CENTER # 65530222

AUTHORIZED BY Yehuda Binder

CUSTOMER # 131926

FILING DATE 04/26/2023

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Ishay SIVAN

Payment Information

PAYMENT METHOD
DA / 601835

PAYMENT TRANSACTION ID
E20245E913156216

PAYMENT AUTHORIZED BY
Dorit Binder

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2202	EACH CLAIM IN EXCESS OF 20	40.00	20	800.00
2251	EXTENSION FOR RESPONSE WITHIN FIRST MONTH	88.00	1	88.00
TOTAL AMOUNT:				\$888.00

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If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement

Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 18/139,368	Filing Date 04/26/2023	☐ To be Mailed
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ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE (\$)	FEE (\$)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 = *		x \$40 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		x \$ 192 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED - PART II

	(Column 1)		(Column 2)	(Column 3)	RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	05/15/2024		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	x \$40 = 0
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0	x \$ 192 = 0
	☐ Application Size Fee (37 CFR 1.16(s))					
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
TOTAL ADD'L FEE						0
AMENDMENT			CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$ 0 =
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$ 0 =
	☐ Application Size Fee (37 CFR 1.16(s))					
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
TOTAL ADD'L FEE						
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.						LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/ALLYSON PURNELL/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".						
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.						

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/139,368	04/26/2023	Ishay SIVAN	SIVAN-001-US7	5294
131926	7590	08/13/2024		
May Patents Ltd. c/o Dorit Shem-Tov P.O.B 7230 Ramat-Gan, 5217102 ISRAEL			EXAMINER HANNETT, JAMES M	
			ART UNIT	PAPER NUMBER
			2639	
			NOTIFICATION DATE	DELIVERY MODE
			08/13/2024	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

dorit.shemtov@gmail.com
uspto.may.patents@gmail.com
ybybyb1@gmail.com

***Notice of Non-Compliant
Amendment (37 CFR 1.121)***

Application No.

18/139,368

Applicant(s)

SIVAN, Ishay

Examiner

JAMES M HANNETT

Art Unit

2639

AIA (FITF) Status

No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

The amendment document filed on 05/15/2024 is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121 or 1.4. In order for the amendment document to be compliant, correction of the following item(s) is required.

THE FOLLOWING MARKED (X) ITEM(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:

- ☐ 1. Amendments to the specification:
- ☐ A. Amended paragraph(s) do not include markings.
 - ☐ B. New paragraph(s) should not be underlined.
 - ☐ C. Other ____.
- ☐ 2. Abstract:
- ☐ A. Not presented on a separate sheet. 37 CFR 1.72.
 - ☐ B. Other ____.
- ☐ 3. Amendments to the drawings:
- ☐ A. The drawings are not properly identified in the top margin as "Replacement Sheet", "New Sheet", or "Annotated Sheet" as required by 37 CFR 1.121(d).
 - ☐ B. The practice of submitting proposed drawing correction has been eliminated. Replacement drawings showing amended figures, without markings, in compliance with 37 CFR 1.84 are required.
 - ☐ C. Other ____.
- ☒ 4. Amendments to the claims:
- ☐ A. A complete listing of all of the claims is not present.
 - ☐ B. The listing of claims does not include the text of all pending claims (including withdrawn claims)
 - ☐ C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified. Note: the status of every claim must be indicated after its claim number by using one of the following status identifiers: (Original), (Currently amended), (Canceled), (Previously presented), (New), (Not entered), (Withdrawn) and (Withdrawn-currently amended).
 - ☐ D. The claims of this amendment paper have not been presented in ascending numerical order.
 - ☒ E. Other: See Continuation Sheet.
- ☐ 5. Other (e.g., the amendment is unsigned or not signed in accordance with 37 CFR 1.4):

For further explanation of the amendment format required by 37 CFR 1.121, see MPEP § 714.

TIME PERIODS FOR FILING A REPLY TO THIS NOTICE:

1. Applicant is given **no new time period if the non-compliant amendment is an** after-final amendment or an amendment filed after allowance. If applicant wishes to resubmit the non-compliant after-final amendment with corrections, the **entire corrected amendment** must be resubmitted.
2. Applicant is given **two months** from the mail date of this notice to supply the correction, if the non-compliant amendment is one of the following: a preliminary amendment, a non-final amendment (including a submission for a request for continued examination (RCE) under 37 CFR 1.114), a supplemental amendment filed within a suspension period under 37 CFR 1.103(a) or (c), and an amendment filed in response to a *Quayle* action. If any of above boxes 1. to 4. are checked, the correction required is only the **corrected section** of the non-compliant amendment in compliance with 37 CFR 1.121.

Extensions of time are available under 37 CFR 1.136(a) only if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action.

Failure to timely respond to this notice will result in:

Abandonment of the application if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action; or

Non-entry of the amendment if the non-compliant amendment is a preliminary amendment or supplemental amendment.

/JAMES M HANNETT/
Primary Examiner, Art Unit 2639

Continuation of 4(e) Other: The amendment filed on 5/15/2024 canceling all claims drawn to the elected invention and presenting only claims drawn to a non-elected invention is non-responsive (MPEP § 821.03) and has not been entered. The remaining claims are not readable on the elected invention because The new claims are directed to a difference invention.

Since the above-mentioned amendment appears to be a bona fide attempt to reply, applicant is given a shortened statutory period of TWO (2) MONTHS from the mailing date of this notice within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD UNDER 37 CFR 1.136(a) ARE AVAILABLE but in no case can any extension carry the date for reply to this letter beyond the maximum period of SIX MONTHS set by statute (35 U.S.C. 133).

TO: uspto.may.patents@gmail.com,dorit.shemtov@gmail.com,ybybyb1@gmail.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - Correspondence Notification for Customer Number 131926

Tue Aug 13 05:00:31 EDT 2024

Dear Patent Center Customer:

Correspondence Address:

May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan,null,5217102
ISRAEL

This is a courtesy notification regarding the following USPTO patent application(s) associated with your Customer Number, 131926, that have new outgoing correspondence. This correspondence is now available for viewing in Patent Center.

The official date of notification of the outgoing correspondence will be indicated on the form (e.g., PTOL-90) accompanying the correspondence.

Disclaimer:

The list of documents shown below are provided as a courtesy and is not part of the official file wrapper. The content of the images shown in the Image File Wrapper is the official record.

Application	Document	Mailroom Date	Attorney Docket No.
18139368	NTC.A.NONCPL	08/13/2024	SIVAN-001-US7

To view your correspondence online, please sign in to [Patent Center](#) and then select Workbench/View correspondence. To update your email address(es), select Manage/Manage customer numbers.

If you have any questions, please contact the [Patent Electronic Business Center](#) (EBC) at ebc@uspto.gov or 866-217-9197 Monday – Friday, 6 a.m. to midnight ET.

Please do not reply to this email as it was sent from an unmonitored mailbox.

Sincerely,

The Patent Center Team



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/139,368

RECEIPT DATE / TIME
10/08/2024 10:42:11 AM Z ET

ATTORNEY DOCKET #
SIVAN-001-US7

Title of Invention

REAL TIME ASSESSMENT OF PICTURE QUALITY

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	5294	FILED BY	Dorit Binder
PATENT CENTER #	67475573	FILING DATE	04/26/2023
CUSTOMER #	131926	FIRST NAMED INVENTOR	Ishay SIVAN
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Yehuda Binder

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
Answer to Notice-001-US7.pdf	5	-	52 KB
Answer to Notice-001-US7-A....pdf (1-1)	1	Amendment/Request for Reconsideration-After Non-Final Rejection	20 KB
Answer to Notice-001-US7-CLM.pdf (2-3)	2	Claims	37 KB
Answer to Notice-001-US7-REM.pdf (4-5)	2	Applicant Arguments/Remarks Made in an Amendment	32 KB

Digest

DOCUMENT**MESSAGE DIGEST(SHA-512)**

Answer to Notice-001-US7.pdf	CA87E2A8B42C176060C15A31C53118098C62DE168BB4A4BF1 796A40D858764E0365114AA43E2C88C8D0938C15EB46C362C AFD0443928F3A943648BCFF28F297D
Answer to Notice-001-US7- A....pdf	E880CD011FE6400029A6FD4B37137F2F7563944807CBF92BF3 F4B5ADD391904A97F3DBD5B0D33E0B7DA16C8F7903056C60 AAA3A8E802D4DAD8641419979FC157
Answer to Notice-001-US7- CLM.pdf	0D64458FD84B2FC77BD62A21E002DCF9C55D28F2ADEE5E45 C8E2E70F186EFAED0039D99C158C8A79C70BC97EFC04069E 70D58733C1D6B69D1F8FC5F14FB397A0
Answer to Notice-001-US7- REM.pdf	A667C0E9D8A54F1EF6EB0E09E00DD642B3CA915DE30D5E52 471120705A4E797800C8423DE70AE14BF1D09C04476BDEC32 71436E084E3BC9566A843095923C2F4

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New Applications Under 35 U.S.C. 111

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New International Application Filed with the USPTO as a Receiving Office

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY.'S DOCKET: SIVAN-001-US7

In re Application of:	)	Confirmation No. 5294
	)	
Ishay SIVAN	)	Art Unit: 2639
	)	
Appln. No.: 18/139,368	)	Examiner: JAMES M HANNETT
	)	
Filed: April 26, 2023	)	Washington, D.C.
	)	
For: REAL TIME ASSESSMENT OF PICTURE QUALITY	)	October 8, 2024
	)	

Response to Notice of Non-Compliant Amendment

Honorable Commissioner for Patents
U.S. Patent and Trademark Office
Randolph Building,
Mail Stop Amendments
401 Dulany Street
Alexandria, VA 22314

Sir:

This is a response to the Notice of Non-Compliant
Amendment dated August 13, 2024 ("The Action").

Amendments to the Claims appear in the Listing of
Claims that begins on page 2 of this paper.

Remarks / Arguments begin on page 4 of this paper.

Amendments to the claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims

1. (Currently Amended) A method for presenting suggestion to a user of a device ~~to move the device to a different location, where the device comprises in a single enclosure an image capturing unit~~ at least one digital camera module that comprises at least ~~two~~ one optical lens for focusing received light from a scene and an image sensor coupled to each ~~said~~ optical lens for capturing images; ~~wherein an image, and at least a partial reconstruction of a 3D scene is built at least partially according to~~ one processor coupled to the images from the image capturing unit ~~sensor or digital camera for receiving data therefrom, the method by the processor comprising:~~
 - ~~analyzing the images for detecting or recognizing one or more objects;~~
 - ~~obtaining a first value (Q11) associated with the distance to at least one of the objects;~~
 - ~~selecting, based on the first value Q11,~~ calculating from an image received by at least one sensor and lens, a quality indicator Q11 of a face or object, and calculating an aesthetic quality indicator Q12 that uses a background blurring test of said face or object, and calculating a total quality indicator that is based at least partially on at least one of Q11 and Q12;selecting based on the total quality indicator at least one appropriate suggestion from a pre-stored table of suggestions, ~~and~~
 - suggesting to the user to move the device to different location; and
 - presenting the selected suggestion to the user.
- 2.-20. (Cancelled).
21. (New) The method according to claim 1, wherein the background blurring test is based at least partially on data from at least one of, the sensor, lens, lens aperture or any combination thereof.
22. (New) The method according to claim 1, wherein the total quality indicator also comprises of testing the obstruction of at least one lens.

23. (New) The method according to claim 21, wherein at least one of a focus distance or lens aperture is used to determining a depth of field of the image, wherein the depth of field is computed, based on a movement of the device in the z axis, wherein the z axis is the direction to the object in a scene, may be included in the total quality indicator.
24. (New) The method according to claim 21, wherein a separate QI2 is calculated for each lens and a sensor module the device has, wherein QI2 of QI_total or both are based on at least two QI1 from 2 such lenses and sensor modules.
25. (New) The method according to claim 21, wherein a confidence level of a subject detection is calculated based on the object detection, and used in calculation of QI_total.
26. (New) The method according to claim 25, wherein a confidence level of a subject focus is calculated based on a correlation between each QI2, and the confidence level is used in computation of QI_total.
27. (New) The method according to claim 26, wherein the total quality indicator also comprises of testing an obstruction of at least one lens.
28. (New) The method according to claim 1, wherein the analyzing of the captured image comprises applying multiple algorithms selected from a group consisting of an aesthetic algorithm, an artificial neural network employing deep learning algorithm, a corner detection algorithm, a blur detecting algorithm, and Peak Signal-to-Noise Ratio (PSNR) calculation, and the method further comprising obtaining a respective third value (QI2i) associated with each of multiple algorithms, and calculating or estimating the second value (QI2) based on the multiple third values (QI2i) from the multiple algorithms.
29. (New) The method according to claim 1, further comprising building at least a partial reconstruction of a 3D scene according to the images from the camera module; wherein the suggestion is firther based on the 3D scene reconstruction.
30. (New) The method according to claim 1, wherein the analyzing of at least one images for detecting or recognizing one or more objects uses algorithms of a deep learning.
31. (New) The method according to claim 21, wherein the analyzing of at least one images for detecting or recognizing one or more objects uses algorithms of a deep learning.

Appln. No. 18/139,368

Reply to Notice of Non-Compliant Amendment dated August 13, 2024

REMARKS / ARGUMENTS

The examiner's action dated of August 13, 2024 (Hereinafter "Action") has been received, and its contents carefully noted.

The new set of claims that were provided to the examiner on May 15, 2024 have not been entered.

In the current set of claims, Claim 1 has been amended and claims 21-31 (total 11 claims) were added.

Applicant will draw the examiner's attention that the new claim 30 is previously claim 4.

The current set of claims is a way to describe the original functionality (background blur in portrait mode) in a different way, addressing the examiner's rejection.

There is no use of a stereo vision for 3D reconstruction and distance to object, but a background blur test done on the sensor side.

Appln. No. 18/139,368

Reply to Notice of Non-Compliant Amendment dated August 13, 2024

The absence of a reply to a specific rejection, issue, or comment, does not signify agreement with that rejection, issue, or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims that have not been expressed.

Nothing in this reply should be understood as conceding any issue with regard to any claim, except as specifically stated in this reply, and the amendment of any claims does not necessarily signify concession of unpatentability to the claim before its amendment.

In view of the foregoing, it is requested that all of the rejections be reconsidered and withdrawn and that the claims be considered allowable.

If the above arguments should not now place the application in the condition for allowance, the examiner is invited to call undersigned counsel to resolve any remaining issues.

Respectfully submitted,

By /Yehuda Binder/
 Yehuda Binder
 Registration No. 73,612

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 18/139,368		Filing Date 04/26/2023		☒ To be Mailed			
ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO											
APPLICATION AS FILED - PART I											
		(Column 1)		(Column 2)							
FOR		NUMBER FILED		NUMBER EXTRA		RATE (\$)		FEE (\$)			
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A		N/A		N/A					
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))		N/A		N/A		N/A					
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A		N/A		N/A					
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* If the difference in column 1 is less than zero, enter "0" in column 2.						TOTAL					
APPLICATION AS AMENDED - PART II											
		(Column 1)		(Column 2)		(Column 3)					
AMENDMENT	10/08/2024	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	* 12	Minus	** 20	= 0			x \$40 =		0	
	Independent (37 CFR 1.16(h))	* 1	Minus	*** 3	= 0			x \$ 192 =		0	
	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
								TOTAL ADD'L FEE		0	
		(Column 1)		(Column 2)		(Column 3)					
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	*	Minus	**	=			x \$ 0 =			
	Independent (37 CFR 1.16(h))	*	Minus	***	=			x \$ 0 =			
	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
								TOTAL ADD'L FEE			
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.								LIE			
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ISRAEL

EXAMINER

HANNETT, JAMES M

ART UNIT

PAPER NUMBER

2639

DATE MAILED: 12/09/2024

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/139,368	04/26/2023	Ishay SIVAN	SIVAN-001-US7	5294

TITLE OF INVENTION: REAL TIME ASSESSMENT OF PICTURE QUALITY

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0.00	\$0.00	\$480	03/10/2025

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

131926 7590 12/09/2024
May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan, 5217102
ISRAEL

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via the USPTO patent electronic filing system or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/139,368	04/26/2023	Ishay SIVAN	SIVAN-001-US7	5294

TITLE OF INVENTION: REAL TIME ASSESSMENT OF PICTURE QUALITY

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0.00	\$0.00	\$480	03/10/2025

EXAMINER	ART UNIT	CLASS-SUBCLASS
HANNETT, JAMES M	2639	348-208150

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 _____

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required)

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☐ Electronic Payment via the USPTO patent electronic filing system ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/139,368	04/26/2023	Ishay SIVAN	SIVAN-001-US7	5294
131926	7590	12/09/2024	EXAMINER	
May Patents Ltd. c/o Dorit Shem-Tov P.O.B 7230 Ramat-Gan, 5217102 ISRAEL			HANNETT, JAMES M	
			ART UNIT	PAPER NUMBER
			2639	

DATE MAILED: 12/09/2024

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013).

<https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

Routine uses of the information in this record may include disclosure to:

- 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law;
- 2) a federal, state, local, or international agency, in response to its request;
- 3) a contractor of the USPTO having need for the information in order to perform a contract;
- 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record;
- 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
- 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
- 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c));
- 9) the Office of Personnel Management (OPM) for personnel research purposes; and
- 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Notice of Allowability	Application No. 18/139,368	Applicant(s) SIVAN, Ishay	
	Examiner JAMES M HANNETT	Art Unit 2639	AIA (FITF) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 10/8/2024.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1 and 21-31. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. ____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)	5. ☐ Examiner's Amendment/Comment
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date ____.	6. ☒ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material ____.	7. ☐ Other ____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date ____.	

/JAMES M HANNETT/ Primary Examiner, Art Unit 2639	
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DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Allowable Subject Matter

Claims 1 and 21-31 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art does not teach calculating from an image received by at least one sensor and lens, a quality indicator of a face or object, and calculating an aesthetic quality indicator Q12 that uses a background blurring test of said face or object, and calculating a total quality indicator that is based at least partially on at least one of Q1 and Q12; selecting based on the total quality indicator at least one appropriate suggestion from a pre-stored table of suggestions, and suggesting to the user to move the device to different location; and presenting the selected suggestion to the user when taken in combination with all the limitations of the independent claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES M HANNETT whose telephone number is (571)272-7309. The examiner can normally be reached 8:00 AM-5:00 PM Monday thru Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler Haskins can be reached at 571-272-7406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2639

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/JAMES M HANNETT/
Primary Examiner, Art Unit 2639

JMH
December 2, 2024

<i>Search Notes</i> 	Application/Control No. 18/139,368	Applicant(s)/Patent Under Reexamination SIVAN, Ishay
	Examiner JAMES M HANNETT	Art Unit 2639

CPC - Searched*		
Symbol	Date	Examiner
H04N 23/64 (Combined with text search)	12/02/2024	JMH

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
PE2E text search	12/02/2024	JMH
Inventor Name Search	12/02/2024	JMH

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	PE2E text search	12/02/2024	JMH

/JAMES M HANNETT/ Primary Examiner, Art Unit 2639	
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<i>Index of Claims</i> 	Application/Control No. 18/139,368	Applicant(s)/Patent Under Reexamination SIVAN, Ishay
	Examiner JAMES M HANNETT	Art Unit 2639

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47										
CLAIM		DATE								
Final	Original	01/09/2024	12/02/2024							
	1	✓	=							
	2	✓	-							
	3	✓	-							
	4	✓	-							
	5	✓	-							
	6	✓	-							
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	8	✓	-							
	9	✓	-							
	10	✓	-							
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	14	✓	-							
	15	✓	-							
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	28		=							
	29		=							
	30		=							
	31		=							

Issue Classification 	Application/Control No. 18/139,368	Applicant(s)/Patent Under Reexamination SIVAN, Ishay
	Examiner JAMES M HANNETT	Art Unit 2639

CPC						
Symbol					Type	Version
H04N	/	23	/	64	F	2023-01-01
G06T	/	7	/	97	I	2017-01-01
G06V	/	20	/	64	I	2022-01-01
H04N	/	23	/	67	I	2023-01-01
H04N	/	23	/	80	I	2023-01-01
H04N	/	23	/	951	I	2023-01-01
H04N	/	23	/	6812	I	2023-01-01
G06T	/	7	/	0002	I	2013-01-01
G06T	/	2207	/	10016	A	2013-01-01
G06T	/	2207	/	10032	A	2013-01-01
G06T	/	2207	/	30168	A	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/				

NONE	Total Claims Allowed:	
(Assistant Examiner)	(Date)	12
/JAMES M HANNETT/ Primary Examiner, Art Unit 2639	02 December 2024	O.G. Print Claim(s)
(Primary Examiner)	(Date)	1
		O.G. Print Figure
		1

Issue Classification 	Application/Control No. 18/139,368	Applicant(s)/Patent Under Reexamination SIVAN, Ishay
	Examiner JAMES M HANNETT	Art Unit 2639

INTERNATIONAL CLASSIFICATION			
CLAIMED			
H04N	/	23	/ 60
NON-CLAIMED			
	/		/

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE	Total Claims Allowed:	
(Assistant Examiner)	(Date)	12
/JAMES M HANNETT/ Primary Examiner, Art Unit 2639	02 December 2024	O.G. Print Claim(s)
(Primary Examiner)	(Date)	1
		O.G. Print Figure
		1

Issue Classification 	Application/Control No. 18/139,368	Applicant(s)/Patent Under Reexamination SIVAN, Ishay
	Examiner JAMES M HANNETT	Art Unit 2639

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1		10		19		28								
	2		11		20		29								
	3		12		21		30								
	4		13		22		31								
	5		14		23										
	6		15		24										
	7		16		25										
	8		17		26										
	9		18		27										

NONE	Total Claims Allowed:					
(Assistant Examiner)	(Date)	12				
/JAMES M HANNETT/ Primary Examiner, Art Unit 2639 (Primary Examiner)	02 December 2024 (Date)	<table><tr><td>O.G. Print Claim(s)</td><td>O.G. Print Figure</td></tr><tr><td>1</td><td>1</td></tr></table>	O.G. Print Claim(s)	O.G. Print Figure	1	1
O.G. Print Claim(s)	O.G. Print Figure					
1	1					

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	0	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2015/10/23 08:51 AM
L2	73	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:51 AM
L3	9	L2 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:52 AM
L4	5	L3 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:52 AM
L5	10616	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:55 AM
L6	5	L4 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2015/10/23 08:56 AM

L7	3933	L5 and (real adj time or realtime or real-time)	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:56 AM
L8	1375	L7 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:56 AM
L9	1025	L8 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:56 AM
L10	20	L8 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:57 AM
L11	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2015/10/23 08:57 AM
L12	2	L4 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 08:58 AM
L13	775	L8 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:00 AM
L14	7264	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:00 AM
L15	292	L14 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:00 AM
L16	20	L15 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:04 AM
L17	1	L15 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:05 AM
L18	799	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:44 AM
L19	84	L18 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:44 AM
L20	1375	L8 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2015/10/23 09:44 AM

L21	21	L19 and buffer	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:44 AM
L22	2	L21 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:44 AM
L23	99145	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:46 AM
L24	20412	L23 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:46 AM
L25	1205	L24 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:46 AM
L26	468	L25 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:48 AM
L27	28	L26 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:48 AM
L28	2	L27 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:49 AM
L29	9	L26 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:51 AM
L30	6	L29 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:51 AM
L31	33099	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:53 AM
L32	102	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:53 AM
L33	3104	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2015/10/23 09:54 AM

L34	4219	h04n5/23229.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:54 AM
L35	5045	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:54 AM
L36	11935	L33 or L34 or L35	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:54 AM
L37	3	L36 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:54 AM
L38	2483	L36 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:56 AM
L39	50	L38 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:57 AM
L40	1	L38 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:57 AM
L41	86518	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 09:59 AM
L42	11	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 10:00 AM
L43	630	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2015/10/23 10:01 AM

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		"20030151672"					
		"20030151674"					
		"20030152271"					
		"20030152291"					
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		"20050041121"					
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		"20050057687"					
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L44	24	"6463173" "6470147" "6486915" "6535244" "6555278" "6567536" "6577821" "6599668" "6602656" "6607873" "6618491" "6625396" "6628898" "6643387" "6741960" "6863368" "6892029" "6930718" "6947609" "6961518" "7019331" "7027087" "7042509" "7072525" "7084037" "7160573" "7177538" "7180238" "7195848" "7212230" "7269292" "7292270" "7315324" "7315630" "7315631" "7316630" "7316631" "7317815" "7336821" "7369712" "7403643" "7453493" "7453510" "7460695" "7469071" "7489341" "7548256" "7551755" "7565030" "7593144" "7623153" "7636486" "7639888" "7639889" "7660478" "7676108" "7689107" "7692696" "7697778" "7705884" "7738015").PN. OR ("2004/0174434" "2006/0017820" "2006/0056835" "2007/0195174" "2009/0263028" "2009/0278958" "2010/0026872" "2010/0290673" "2011/0096180" "2011/0279700" "2012/0086847" "2012/0133816" "2012/0182447" "2013/0038771" "2013/0050507" "2013/0058561" "2013/0063538" "2013/0155474" "2014/0050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").URPN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2015/10/23 10:02 AM
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L45	20	predetermined or pre-determined) with quality L44 and quality with image	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 10:02 AM
L46	0	L45 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 10:02 AM
L47	1	L45 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 10:04 AM
L48	52	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2015/10/23 10:06 AM
L49	34	L48 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2015/10/23 10:07 AM
L50	6	L49 and (suggest\$4 or recommend\$4) with	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2015/10/23 10:07 AM

L51	2	quality ("20160191801").PN.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2016/11/19 09:43 AM
L52	5	(US-20110075930-\$ or US-20060017820- \$).did. or (US-8330826- \$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 09:47 AM
L53	0	L52 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2016/11/19 09:47 AM
L54	2	L52 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2016/11/19 09:48 AM
L55	1	L52 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:05 AM
L56	0	L52 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:07 AM
L57	0	L52 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:07 AM
L58	0	L52 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:07 AM
L59	2	L52 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:07 AM
L60	0	L59 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:13 AM
L61	2	L59 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:13 AM
L62	1	L59 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:18 AM
L63	0	L59 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:18 AM
L64	18	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:19 AM
L65	682	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:22 AM
L66	28557	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:22 AM
L67	30568	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:22 AM
L68	0	quality with automatic with exposure with iso with shutter with	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:23 AM

L69	10	aperture quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:23 AM
L70	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:29 AM
L71	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:29 AM
L72	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:29 AM
L73	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:29 AM
L74	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:31 AM
L75	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/19 10:31 AM
L76	5	("20060017820" "20070 216787" "20090251557 " "20110292221" "2012 0249837" "2006001782 0" "20070216787" "200 90251557" "201102922 21" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/20 01:55 PM
L77	32	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" " 20130058561" "201300 63538" "20130155474" " "20140050367" "73623 54" "7688379" "792072 7" "7982770" "8040382" "8081227" "8125557" "8 1311118" "8244053" "8 285067" "8330826" "91 54692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/11/20 01:55 PM
L78	14	("20060061678" "20060221223"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2016/11/20 02:08 PM

		"20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.					
L79	63	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2016/11/21 05:39 PM
L80	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2016/11/21 05:40 PM
L81	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2016/11/22 09:10 AM
L82	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " 20130063538" "20130 155474" "20140050367 " "5125557" "7362354" "7 688379" "7920727" "7 982770" "8040382" "81 31118" "8244053" "828 5067").PN.)".PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 08:59 AM
L83	73	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100961 80" "20110279700" "20 120086847" "20120133 816" "20120182447" "2 0130038771" "2013005 0507" "20130058561" "2 0130063538" "201301 55474" "20140050367" "5 125557" "7362354" "79 688379" "7920727" "79 82770" "8040382" "813	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM

L84	9	1118" "8244053" "8285067").PN. L83 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L85	5	L84 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L86	12861	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L87	5	L85 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L88	4951	L86 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L89	1612	L88 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L90	1225	L89 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L91	24	L89 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L92	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L93	2	L85 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L94	921	L89 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L95	8312	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L96	346	L95 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L97	22	L96 and confidence adj	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/02/07

L98	2	level L96 and confidence adj level with quality	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	08:59 AM 2017/02/07 08:59 AM
L99	945	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L100	100	L99 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L101	1612	L89 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L102	23	L100 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L103	3	L102 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L104	113435	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L105	23691	L104 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L106	1395	L105 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L107	545	L106 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L108	31	L107 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L109	3	L108 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L110	14	L107 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/02/07 08:59 AM

L111	10	L110 and user .clm.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L112	38946	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L113	135	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L114	5277	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L115	7841	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L116	6870	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L117	19023	L114 or L115 or L116	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L118	9	L117 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L119	3692	L117 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L120	75	L119 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L121	2	L119 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L122	96492	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L123	12	(predefined or pre- defined or predetermined or pre-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/02/07 08:59 AM

L124	786	determined) with quality with image with (suggestion\$4 or recomend or recommendation) ("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672" "20030151674" "20030152271" "20030152291" "20030169818" "20030193699" "20030219172" "20040047498" "20040066981" "20040076335" "20040081441" "20040090532" "20040106958" "20040120598" "20040120698" "20040130628" "20040135898" "20040145659" "20040169767" "20040170330" "20040212699" "20040218057" "20040218067" "20040247030" "20040247179" "20050010108" "20050019000" "20050031224" "20050041121" "20050041123" "20050047672" "20050052553" "20050057687" "20050068446" "20050068452" "20050078197" "20050140801" "20050157181"	IBM_TDB) (US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 08:59 AM
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L126	27	L125 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L127	1	L126 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L128	3	L126 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L129	57	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 08:59 AM

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L130	38	L129 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L131	9	L130 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L132	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 08:59 AM
L133	5	(US-20110075930-\$ or US-20060017820- \$).did. or (US-8330826- \$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L134	0	L133 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L135	2	L133 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L136	1	L133 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L137	0	L133 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L138	0	L133 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L139	0	L133 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L140	2	L133 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L141	0	L140 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L142	2	L140 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L143	1	L140 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM

L144	0	L140 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L145	20	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L146	692	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L147	28750	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L148	30831	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L149	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L150	10	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L151	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L152	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L153	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L154	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L155	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
L156	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM
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L158	32	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "2009027895	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 08:59 AM

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L160	65	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 08:59 AM
L161	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 08:59 AM
L162	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 08:59 AM
L164	31683	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 09:32 AM
L165	0	L164 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:33 AM
L166	9664	L164 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:33 AM
L167	668	L166 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:33 AM
L168	366	L167 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:33 AM
L169	4	L168 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:34 AM

L170	3	L169 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 09:34 AM
L171	0	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
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L173	9	L172 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L174	5	L173 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L175	12861	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L176	5	L174 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L177	4951	L175 and (real adj time	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/02/07

		or realtime or real-time)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				12:23 PM
L178	1612	L177 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L179	1225	L178 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L180	24	L178 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L181	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L182	2	L174 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L183	921	L178 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L184	8312	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L185	346	L184 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L186	22	L185 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L187	2	L185 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L188	945	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L189	100	L188 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L190	1612	L178 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM

L191	23	L189 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L192	3	L191 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L193	113435	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L194	23691	L193 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L195	1395	L194 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L196	545	L195 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L197	31	L196 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L198	3	L197 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L199	14	L196 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L200	10	L199 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L201	38946	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L202	135	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L203	5277	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L204	7841	h04n5/23229.cpc.	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/02/07

L205	6870	h04n5/23258.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	12:23 PM
L206	19023	L203 or L204 or L205	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L207	9	L206 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L208	3692	L206 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L209	75	L208 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L210	2	L208 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L211	96492	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L212	12	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
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L214	31	L213 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L215	27	L214 and quality with	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/02/07

		image	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				12:23 PM
L216	1	L215 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L217	3	L215 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L218	57	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 12:23 PM
L219	38	L218 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L220	9	L219 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L221	2	("20160191801").PN.	(US-PGPUB; USPAT;	OR	ON	ON	2017/02/07

L222	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT)	OR	OFF	OFF	12:23 PM 2017/02/07 12:23 PM
L223	0	L222 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L224	2	L222 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L225	1	L222 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L226	0	L222 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L227	0	L222 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L228	0	L222 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L229	2	L222 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L230	0	L229 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L231	2	L229 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L232	1	L229 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L233	0	L229 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L234	20	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L235	692	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L236	28750	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L237	30831	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L238	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L239	10	quality with automatic with exposure with	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM

L240	0	shutter with aperture (retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L241	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L242	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L243	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L244	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L245	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
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L247	32	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" "2 0130058561" "201300 63538" "20130155474" "2 0140050367" "73623 54" "7688379" "792072 7" "7982770" "8040382" "8081227" "8125557" "8 1311118" "8244053" "8 285067" "8330826" "91 54692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L248	15	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 12:23 PM

L249	65	"20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN. "9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L250	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L251	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L252	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " "20130063538" "20130 155474" "20140050367 " "5125557" "7362354" "7 7688379" "7920727" "7 982770" "8040382" "81 31118" "8244053" "828 5067").PN.)".PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L253	73	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100961 80" "20110279700" "20 120086847" "20120133 816" "20120182447" "2 0130038771" "2013005 0507" "20130058561" " 20130063538" "201301 55474" "20140050367" "5 125557" "7362354" "7 688379" "7920727" "79 82770" "8040382" "813 1118" "8244053" "8285 067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L254	9	L253 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/02/07 12:23 PM

L255	5	L254 and (real adj time or realtime or real-time)	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L256	12861	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L257	5	L255 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L258	4951	L256 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L259	1612	L258 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L260	1225	L259 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L261	24	L259 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L262	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L263	2	L255 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L264	921	L259 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L265	8312	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L266	346	L265 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L267	22	L266 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L268	2	L266 and confidence	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/02/07

		adj level with quality	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				12:23 PM
L269	945	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L270	100	L269 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L271	1612	L259 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L272	23	L270 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L273	3	L272 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L274	113435	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L275	23691	L274 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L276	1395	L275 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L277	545	L276 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L278	31	L277 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L279	3	L278 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L280	14	L277 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L281	10	L280 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/02/07 12:23 PM

L282	38946	confidence adj level	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L283	135	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L284	5277	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L285	7841	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L286	6870	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L287	19023	L284 or L285 or L286	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L288	9	L287 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L289	3692	L287 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L290	75	L289 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L291	2	L289 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L292	96492	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L293	12	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM

L294	786	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672" "20030151674" "20030152271" "20030152291" "20030169818" "20030193699" "20030219172" "20040047498" "20040066981" "20040076335" "20040081441" "20040090532" "20040106958" "20040120598" "20040120698" "20040130628" "20040135898" "20040145659" "20040169767" "20040170330" "20040212699" "20040218057" "20040218067" "20040247030" "20040247179" "20050010108" "20050019000" "20050031224" "20050041121" "20050041123" "20050047672" "20050052553" "20050057687" "20050068446" "20050068452" "20050078197" "20050140801" "20050157181" "20050168587" "20050201637" "20050203430" "20050219391" "20050231603" "20050231625"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 12:23 PM
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L295	31	L294 and (predefined or pre-defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L296	27	L295 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L297	1	L296 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L298	3	L296 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L299	57	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 12:23 PM

L300	38	"8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN. L299 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L301	9	L300 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L302	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L303	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L304	0	L303 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L305	2	L303 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L306	1	L303 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L307	0	L303 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L308	0	L303 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L309	0	L303 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L310	2	L303 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L311	0	L310 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L312	2	L310 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L313	1	L310 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L314	0	L310 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L315	20	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L316	692	quality with automatic	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07

L317	28750	with exposure quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	12:23 PM 2017/02/07 12:23 PM
L318	30831	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L319	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L320	10	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L321	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L322	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L323	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L324	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L325	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L326	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L327	5	("20060017820" "20070 216787" "20090251557 " "20110292221" "2012 0249837" "2006001782 0" "20070216787" "200 90251557" "201102922 21" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L328	32	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM

		8771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.					
L329	15	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/07 12:23 PM
L330	65	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L331	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L332	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/02/07 12:23 PM
L333	31683	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/02/07 12:23 PM
L334	0	L333 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L335	9664	L333 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L336	668	L335 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L337	366	L336 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L338	4	L337 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L339	3	L338 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/02/07 12:23 PM
L340	0	("("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "200902789	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:15 AM

L341	73	58" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN. ("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L342	9	L341 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L343	5	L342 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L344	14303	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L345	5	L343 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L346	5581	L344 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L347	1746	L346 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:15 AM

L348	1331	L347 and quality	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L349	25	L347 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L350	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/12/01 08:15 AM
L351	2	L343 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L352	1003	L347 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L353	9003	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L354	382	L353 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L355	28	L354 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L356	2	L354 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L357	1032	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L358	111	L357 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L359	1746	L347 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L360	25	L358 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L361	3	L360 and image\$2 with (real adj time or	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:15 AM

L362	123276	realtime or real-time) with quality (real adj time or realtime or real-time) .clm.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L363	25830	L362 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L364	1504	L363 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L365	582	L364 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L366	33	L365 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L367	3	L366 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L368	14	L365 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L369	10	L368 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L370	43130	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L371	150	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L372	6248	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L373	9168	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L374	7683	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:15 AM

L375	21942	L372 or L373 or L374	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L376	11	L375 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L377	4318	L375 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L378	86	L377 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L379	2	L377 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L380	103496	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L381	13	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L382	875	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672" "20030151674" "20030152271" "20030152291" "20030169818" "20030193699" "20030219172" "20040047498"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:15 AM

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L383	33	L382 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L384	29	L383 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L385	2	L384 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:15 AM

L386	4	L384 and (suggest\$4 or recommend\$4) with quality	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L387	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:15 AM
L388	41	L387 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L389	10	L388 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L390	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:15 AM
L391	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:15 AM

L392	0	\$ or US-9154692-\$ or US-8081227-\$).did. L391 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L393	2	L391 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:15 AM
L394	1	L391 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L395	0	L391 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L396	0	L391 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L397	0	L391 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L398	2	L391 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L399	0	L398 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L400	2	L398 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L401	1	L398 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L402	0	L398 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L403	22	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L404	722	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L405	29573	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L406	31984	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L407	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L408	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L409	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM

L410	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L411	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L412	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L413	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L414	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L415	5	("20060017820" "20070216787" "20090251557" "20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L416	32	("20040174434" "2006017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L417	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:16 AM

L418	67	("9154692").URPN. "9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L419	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L420	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L421	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " 20130063538" "20130 155474" "20140050367 " "5125557" "7362354" " 7688379" "7920727" "7 982770" "8040382" "81 31118" "8244053" "828 5067").PN.").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L422	73	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100961 80" "20110279700" "20 120086847" "20120133 816" "20120182447" "2 0130038771" "2013005 0507" "20130058561" " 20130063538" "201301 55474" "20140050367" " 5125557" "7362354" "7 688379" "7920727" "79 82770" "8040382" "813 1118" "8244053" "8285 067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L423	9	L422 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L424	5	L423 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L425	14303	image with capture with automatic\$4	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L426	5	L424 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L427	5581	L425 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L428	1746	L427 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L429	1331	L428 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L430	25	L428 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L431	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L432	2	L424 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L433	1003	L428 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L434	9003	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L435	382	L434 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L436	28	L435 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L437	2	L435 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L438	1032	sivan .in.	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/12/01

L439	111	L438 and (real adj time or realtime or real-time)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	08:16 AM
L440	1746	L428 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L441	25	L439 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L442	3	L441 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L443	123276	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L444	25830	L443 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L445	1504	L444 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L446	582	L445 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L447	33	L446 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L448	3	L447 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L449	14	L446 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L450	10	L449 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L451	43130	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L452	150	confidence adj level with quality with image	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L453	6248	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L454	9168	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L455	7683	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L456	21942	L453 or L454 or L455	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L457	11	L456 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L458	4318	L456 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L459	86	L458 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L460	2	L458 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L461	103496	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L462	13	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L463	875	("20010036307" "20020006163" "20020006284" "20020054214"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:16 AM

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L464	33	"2014/0050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").URPN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L465	29	L464 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L466	2	L465 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L467	4	L465 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L468	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:16 AM

L469	41	"8330826" "9154692").URPN. L468 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L470	10	L469 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L471	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L472	5	(US-20110075930-\$ or US-20060017820- \$).did. or (US-8330826- \$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L473	0	L472 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L474	2	L472 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L475	1	L472 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L476	0	L472 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L477	0	L472 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L478	0	L472 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L479	2	L472 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L480	0	L479 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L481	2	L479 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L482	1	L479 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L483	0	L479 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L484	22	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L485	722	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L486	29573	quality with automatic with exposure wit hiso with shutter with	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM

L487	31984	aperture quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L488	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L489	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L490	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L491	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L492	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L493	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L494	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L495	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L496	5	("20060017820" "20070 216787" "20090251557 "20110292221" "2012 0249837" "2006001782 0" "20070216787" "200 90251557" "201102922 21" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L497	32	("20040174434" "20060 017820" "20060056835 "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" " 20130058561" "201300 63538" "20130155474" " 20140050367" "73623	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM

L498	16	54" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN. ("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:16 AM
L499	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L500	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L501	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L502	35268	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L503	0	L502 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L504	10705	L502 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L505	780	L504 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L506	411	L505 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L507	5	L506 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L508	3	L507 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L509	0	("("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "2012013	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM

L510	73	3816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN. ("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L511	9	L510 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L512	5	L511 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L513	14303	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L514	5	L512 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L515	5581	L513 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L516	1746	L515 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L517	1331	L516 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:16 AM

L518	25	L516 and quality near4 indicator\$4	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L519	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L520	2	L512 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L521	1003	L516 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L522	9003	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L523	382	L522 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L524	28	L523 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L525	2	L523 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L526	1032	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L527	111	L526 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L528	1746	L516 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L529	25	L527 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L530	3	L529 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L531	123276	(real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L532	25830	.clm. L531 and imag\$2 .clm.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L533	1504	L532 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L534	582	L533 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L535	33	L534 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L536	3	L535 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L537	14	L534 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L538	10	L537 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L539	43130	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L540	150	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L541	6248	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L542	9168	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L543	7683	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L544	21942	L541 or L542 or L543	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:16 AM

L545	11	L544 and confidence adj level with quality with image	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L546	4318	L544 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L547	86	L546 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L548	2	L546 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L549	103496	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L550	13	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L551	875	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672" "20030151674" "20030152271" "20030152291" "20030169818" "20030193699" "20030219172" "20040047498" "20040066981" "20040076335" "20040081441" "20040090532"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:16 AM

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L552	33	L551 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L553	29	L552 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L554	2	L553 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L555	4	L553 and (suggest\$4 or recommend\$4) with	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L556	61	quality ("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:16 AM
L557	41	L556 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L558	10	L557 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L559	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L560	5	(US-20110075930-\$ or US-20060017820- \$).did. or (US-8330826- \$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L561	0	L560 and shake	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/12/01

L562	2	L560 and motion	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	08:16 AM 2017/12/01 08:16 AM
L563	1	L560 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L564	0	L560 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L565	0	L560 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L566	0	L560 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L567	2	L560 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L568	0	L567 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L569	2	L567 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L570	1	L567 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L571	0	L567 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L572	22	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L573	722	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L574	29573	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L575	31984	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L576	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L577	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L578	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L579	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM

L580	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L581	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L582	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L583	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L584	5	("20060017820" "20070216787" "20090251557" "20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L585	32	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L586	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/01 08:16 AM
L587	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2017/12/01 08:16 AM

L588	18	("9001255").PN.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
L589	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2017/12/01 08:16 AM
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L591	73	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100961 80" "20110279700" "20 120086847" "20120133 816" "20120182447" "2 0130038771" "2013005 0507" "20130058561" " 20130063538" "201301 55474" "20140050367" " 5125557" "7362354" "7 688379" "7920727" "79 82770" "8040382" "813 1118" "8244053" "8285 067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L592	9	L591 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L593	5	L592 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L594	14303	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L595	5	L593 and (real adj time or realtime or real-time)	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L596	5581	L594 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L597	1746	L596 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L598	1331	L597 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L599	25	L597 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L600	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L601	2	L593 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L602	1003	L597 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L603	9003	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L604	382	L603 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L605	28	L604 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L606	2	L604 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L607	1032	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L608	111	L607 and (real adj time	(US-PGPUB; USPAT;	OR	OFF	OFF	2017/12/01

		or realtime or real-time)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				08:16 AM
L609	1746	L597 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L610	25	L608 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L611	3	L610 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L612	123276	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L613	25830	L612 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L614	1504	L613 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L615	582	L614 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L616	33	L615 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L617	3	L616 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L618	14	L615 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L619	10	L618 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L620	43130	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L621	150	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L622	6248	h04n5/23222.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L623	9168	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L624	7683	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L625	21942	L622 or L623 or L624	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L626	11	L625 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L627	4318	L625 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L628	86	L627 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
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L630	103496	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
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L634	29	L633 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L635	2	L634 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L636	4	L634 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
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L638	41	L637 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2017/12/01 08:16 AM

L639	10	L638 and (suggest\$4 or recommend\$4) with quality	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
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L642	0	L641 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L643	2	L641 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
L644	1	L641 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L645	0	L641 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L646	0	L641 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L647	0	L641 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L648	2	L641 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L649	0	L648 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L650	2	L648 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L651	1	L648 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L652	0	L648 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L653	22	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L654	722	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L655	29573	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L656	31984	quality with automatic with exposure wit iso with shutter with	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM

L657	0	aperture quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L658	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L659	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L660	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
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L662	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
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L664	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
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L668	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2017/12/01 08:16 AM
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L672	0	L671 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L673	10705	L671 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L674	780	L673 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L675	411	L674 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
L676	5	L675 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/12/01 08:16 AM
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L680	9	L679 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L681	5	L680 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L682	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L683	5	L681 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L684	5755	L682 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L685	1783	L684 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L686	1352	L685 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L687	26	L685 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2018/02/21 02:19 PM

L688	0	("2015/0288874").URP N.	IBM_TDB) (USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L689	2	L681 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L690	1019	L685 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L691	9212	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L692	388	L691 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L693	30	L692 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L694	2	L692 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L695	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L696	114	L695 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L697	1783	L685 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L698	26	L696 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L699	3	L698 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L700	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L701	26394	L700 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2018/02/21 02:19 PM

			JPO; DERWENT; IBM_TDB)				
L702	1529	L701 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L703	587	L702 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L704	33	L703 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L705	3	L704 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L706	14	L703 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L707	10	L706 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L708	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L709	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L710	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L711	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L712	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L713	23068	L710 or L711 or L712	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L714	11	L713 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2018/02/21 02:19 PM

L715	4489	L713 and quality with image	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L716	89	L715 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L717	2	L715 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L718	105426	(predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L719	14	(predefined or pre-defined or predetermined or pre-determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L720	903	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672" "20030151674" "20030152271" "20030152291" "20030169818" "20030193699" "20030219172" "20040047498" "20040066981" "20040076335" "20040081441" "20040090532" "20040106958" "20040120598" "20040120698" "20040130628" "20040135898"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:19 PM

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L721	33	L720 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L722	29	L721 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L723	2	L722 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L724	4	L722 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L725	61	("20040075743" "20050226499" "20060061678"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:19 PM

		"20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.					
L726	41	L725 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L727	10	L726 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L728	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:19 PM
L729	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L730	0	L729 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:19 PM
L731	2	L729 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2018/02/21 02:19 PM

L732	1	L729 and motion adj sensor	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L733	0	L729 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L734	0	L729 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L735	0	L729 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L736	2	L729 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L737	0	L736 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L738	2	L736 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L739	1	L736 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L740	0	L736 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L741	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L742	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L743	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L744	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L745	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L746	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L747	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L748	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L749	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L750	5	(retake or recapture)	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21

L751	36	with exposure with different (retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	02:19 PM 2018/02/21 02:19 PM
L752	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L753	5	("20060017820" "20070216787" "20090251557" "20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L754	32	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:19 PM
L755	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:19 PM
L756	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L757	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2018/02/21 02:20 PM

L758	5	((("8655311") or ("8750514")).PN.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:20 PM
L759	0	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:20 PM
L760	73	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "5125557" "7362354" "7688379" "7920727" "7982770" "8040382" "8131118" "8244053" "8285067").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L761	9	L760 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L762	5	L761 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L763	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L764	5	L762 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2018/02/21 02:20 PM

L765	5755	L763 and (real adj time or realtime or real-time)	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L766	1783	L765 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L767	1352	L766 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L768	26	L766 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L769	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L770	2	L762 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L771	1019	L766 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L772	9212	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L773	388	L772 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L774	30	L773 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L775	2	L773 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L776	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L777	114	L776 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L778	1783	L766 and buffer	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

L779	26	L777 and buffer	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:20 PM
L780	3	L779 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L781	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L782	26394	L781 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L783	1529	L782 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L784	587	L783 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L785	33	L784 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L786	3	L785 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L787	14	L784 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L788	10	L787 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L789	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L790	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L791	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2018/02/21 02:20 PM

L792	9674	h04n5/23229.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L793	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L794	23068	L791 or L792 or L793	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L795	11	L794 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L796	4489	L794 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L797	89	L796 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L798	2	L796 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L799	105426	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L800	14	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
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L802	33	L801 and (predefined or	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

L803	29	pre-defined or predetermined or pre-determined) with quality L802 and quality with image	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:20 PM 2018/02/21 02:20 PM
L804	2	L803 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L805	4	L803 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L806	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:20 PM
L807	41	L806 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L808	10	L807 and (suggest\$4 or	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

L809	2	recommend\$4) with quality ("20160191801").PN.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:20 PM 2018/02/21 02:20 PM
L810	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L811	0	L810 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L812	2	L810 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L813	1	L810 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L814	0	L810 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L815	0	L810 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L816	0	L810 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L817	2	L810 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L818	0	L817 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L819	2	L817 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L820	1	L817 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L821	0	L817 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L822	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
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L824	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L825	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L826	0	quality with automatic with exposure with iso	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM

L827	11	with shutter with aperture quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L828	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L829	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L830	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L831	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L832	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L833	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
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L835	32	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" " 20130058561" "201300 63538" "20130155474" " "20140050367" "73623 54" "7688379" "792072 7" "7982770" "8040382" "8081227" "8125557" "8 1311118" "8244053" "8 285067" "8330826" "91 54692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
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L837	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L838	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:20 PM
L839	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:20 PM
L840	36321	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L841	0	L840 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L842	10954	L840 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L843	804	L842 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L844	421	L843 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L845	5	L844 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L846	3	L845 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:20 PM
L847	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " "20130063538" "20130 155474" "20140050367 " "5125557" "7362354" " 7688379" "7920727" "7	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:20 PM

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L849	9	L848 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L850	5	L849 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L851	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L852	5	L850 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L853	5755	L851 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L854	1783	L853 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L855	1352	L854 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L856	26	L854 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L857	0	("2015/0288874").URP	(USPAT)	OR	OFF	OFF	2018/02/21

L858	2	N. L850 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:20 PM 2018/02/21 02:20 PM
L859	1019	L854 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:20 PM
L860	9212	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L861	388	L860 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L862	30	L861 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L863	2	L861 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L864	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L865	114	L864 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L866	1783	L854 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L867	26	L865 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L868	3	L867 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L869	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L870	26394	L869 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM

L871	1529	L870 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L872	587	L871 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L873	33	L872 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L874	3	L873 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L875	14	L872 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L876	10	L875 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L877	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L878	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L879	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L880	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L881	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L882	23068	L879 or L880 or L881	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L883	11	L882 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L884	4489	L882 and quality with	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

		image	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:21 PM
L885	89	L884 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L886	2	L884 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L887	105426	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L888	14	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
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L890	33	L889 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L891	29	L890 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L892	2	L891 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L893	4	L891 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L894	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:21 PM

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L895	41	L894 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L896	10	L895 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L897	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:21 PM
L898	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L899	0	L898 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L900	2	L898 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM

L901	1	L898 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L902	0	L898 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L903	0	L898 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L904	0	L898 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L905	2	L898 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L906	0	L905 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L907	2	L905 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L908	1	L905 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L909	0	L905 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L910	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L911	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L912	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L913	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L914	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L915	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L916	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L917	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L918	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L919	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM

L920	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L921	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L922	5	("20060017820" "20070 216787" "20090251557 " "20110292221" "2012 0249837" "2006001782 0" "20070216787" "200 90251557" "201102922 21" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L923	32	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" " 20130058561" "201300 63538" "20130155474" " "20140050367" "73623 54" "7688379" "792072 7" "7982770" "8040382" "8081227" "8125557" " 8131118" "8244053" "8 285067" "8330826" "91 54692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L924	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:21 PM
L925	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L926	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:21 PM
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L930	9	L929 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L931	5	L930 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L932	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L933	5	L931 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM

L934	5755	L932 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L935	1783	L934 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L936	1352	L935 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L937	26	L935 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L938	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2018/02/21 02:21 PM
L939	2	L931 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L940	1019	L935 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L941	9212	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L942	388	L941 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L943	30	L942 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L944	2	L942 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:21 PM
L945	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L946	114	L945 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L947	1783	L935 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2018/02/21 02:22 PM

L948	26	L946 and buffer	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L949	3	L948 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L950	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L951	26394	L950 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L952	1529	L951 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L953	587	L952 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L954	33	L953 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L955	3	L954 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L956	14	L953 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L957	10	L956 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L958	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L959	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L960	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM

L961	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L962	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L963	23068	L960 or L961 or L962	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L964	11	L963 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L965	4489	L963 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L966	89	L965 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L967	2	L965 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L968	105426	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L969	14	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L970	903	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:22 PM

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L971	33	L970 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM

L972	29	L971 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L973	2	L972 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L974	4	L972 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L975	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:22 PM
L976	41	L975 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L977	10	L976 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM

L978	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:22 PM
L979	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L980	0	L979 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L981	2	L979 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L982	1	L979 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L983	0	L979 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L984	0	L979 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L985	0	L979 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L986	2	L979 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L987	0	L986 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L988	2	L986 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L989	1	L986 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L990	0	L986 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L991	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L992	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L993	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L994	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L995	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L996	11	quality with automatic	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21

L997	0	with exposure with shutter with aperture (retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:22 PM 2018/02/21 02:22 PM
L998	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L999	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1000	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1001	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1002	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1003	5	("20060017820" "20070216787" "20090251557" "20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1004	32	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1005	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:22 PM

L1006	67	"20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN. "9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1007	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:22 PM
L1008	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:22 PM
L1009	36321	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1010	0	L1009 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1011	10954	L1009 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1012	804	L1011 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1013	421	L1012 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1014	5	L1013 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1015	3	L1014 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:22 PM
L1016	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " "20130063538" "20130 155474" "20140050367 " "5125557" "7362354" " 7688379" "7920727" "7 982770" "8040382" "81 31118" "8244053" "828 5067").PN.").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:22 PM
L1017	73	("20040174434" "20060	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

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L1018	9	L1017 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1019	5	L1018 and (real adj time or realtime or real- time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1020	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1021	5	L1019 and (real adj time or realtime or real- time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1022	5755	L1020 and (real adj time or realtime or real- time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:22 PM
L1023	1783	L1022 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1024	1352	L1023 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1025	26	L1023 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1026	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1027	2	L1019 and (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2018/02/21 02:23 PM

L1028	1019	L1023 and quality near4 image	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1029	9212	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1030	388	L1029 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1031	30	L1030 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1032	2	L1030 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1033	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1034	114	L1033 and (real adj time or realtime or real- time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1035	1783	L1023 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1036	26	L1034 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1037	3	L1036 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1038	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1039	26394	L1038 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1040	1529	L1039 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM

L1041	587	L1040 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1042	33	L1041 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1043	3	L1042 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1044	14	L1041 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1045	10	L1044 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1046	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1047	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1048	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1049	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1050	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1051	23068	L1048 or L1049 or L1050	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1052	11	L1051 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1053	4489	L1051 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1054	89	L1053 and (suggest\$4	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

		or recommend\$4) with quality	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:23 PM
L1055	2	L1053 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1056	105426	(predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1057	14	(predefined or pre-defined or predetermined or pre-determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
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L1060	29	L1059 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1061	2	L1060 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1062	4	L1060 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1063	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:23 PM

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L1065	10	L1064 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
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L1067	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1068	0	L1067 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1069	2	L1067 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:23 PM
L1070	1	L1067 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1071	0	L1067 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21

L1072	0	same parameters L1067 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	02:23 PM 2018/02/21 02:23 PM
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L1074	2	L1067 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1075	0	L1074 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1076	2	L1074 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1077	1	L1074 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1078	0	L1074 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
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L1080	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1081	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1082	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
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L1087	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1088	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM
L1089	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:23 PM

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L1092	32	("20040174434" "20060 017820" "20060056835 "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201 00290673" "201100759 30" "20110096180" "20 110279700" "20120086 847" "20120133816" "2 0120182447" "2013003 8771" "20130050507" " 20130058561" "201300 63538" "20130155474" "20140050367" "73623 54" "7688379" "792072 7" "7982770" "8040382" "8081227" "8125557" " 8131118" "8244053" "8 285067" "8330826" "91 54692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:24 PM
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L1099	9	L1098 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
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L1105	1352	L1104 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1106	26	L1104 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1107	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2018/02/21 02:24 PM
L1108	2	L1100 and (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1109	1019	L1104 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1110	9212	image\$2 with (real adj time or realtime or real- time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1111	388	L1110 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
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L1114	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1115	114	L1114 and (real adj time or realtime or real- time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1116	1783	L1104 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
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L1118	3	L1117 and image\$2 with (real adj time or realtime or real-time) with quality	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1119	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1120	26394	L1119 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1121	1529	L1120 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1122	587	L1121 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1123	33	L1122 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1124	3	L1123 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1125	14	L1122 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1126	10	L1125 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
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L1128	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1129	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1130	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM

L1131	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1132	23068	L1129 or L1130 or L1131	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1133	11	L1132 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1134	4489	L1132 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1135	89	L1134 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1136	2	L1134 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
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L1138	14	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
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L1142	2	L1141 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1143	4	L1141 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
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L1146	10	L1145 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
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L1149	0	L1148 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
L1150	2	L1148 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:24 PM
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L1175	67	"8199208" "8830341").PN. OR ("9154692").URPN. "9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1176	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:25 PM
L1177	5	((("8655311") or ("8750514"))).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:25 PM
L1178	36321	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1179	0	L1178 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1180	10954	L1178 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1181	804	L1180 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1182	421	L1181 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1183	5	L1182 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1184	3	L1183 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1185	0	("("20040174434" "2006 0017820" "2006005683 5" "20070195174" "200 90263028" "200902789 58" "20100026872" "20 100290673" "20110096 180" "20110279700" "2 0120086847" "2012013 3816" "20120182447" " 20130038771" "201300 50507" "20130058561" " "20130063538" "20130 155474" "20140050367 " "5125557" "7362354" " 7688379" "7920727" "7 982770" "8040382" "81 31118" "8244053" "828 5067").PN.").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:25 PM
L1186	73	("20040174434" "20060 017820" "20060056835 " "20070195174" "2009 0263028" "2009027895 8" "20100026872" "201	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM

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L1187	9	L1186 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1188	5	L1187 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1189	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1190	5	L1188 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1191	5755	L1189 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1192	1783	L1191 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1193	1352	L1192 and quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1194	26	L1192 and quality near4 indicator\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1195	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2018/02/21 02:25 PM
L1196	2	L1188 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1197	1019	L1192 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2018/02/21 02:25 PM

L1198	9212	image\$2 with (real adj time or realtime or real-time) with quality	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1199	388	L1198 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1200	30	L1199 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1201	2	L1199 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1202	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1203	114	L1202 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1204	1783	L1192 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1205	26	L1203 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1206	3	L1205 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1207	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1208	26394	L1207 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1209	1529	L1208 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1210	587	L1209 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM

L1211	33	L1210 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1212	3	L1211 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1213	14	L1210 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1214	10	L1213 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1215	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:25 PM
L1216	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1217	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1218	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1219	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1220	23068	L1217 or L1218 or L1219	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1221	11	L1220 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1222	4489	L1220 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1223	89	L1222 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1224	2	L1222 and (suggest\$4	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

		or recommend\$4) with quality with table	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:26 PM
L1225	105426	(predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1226	14	(predefined or pre-defined or predetermined or pre-determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1227	903	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672" "20030151674" "20030152271" "20030152291" "20030169818" "20030193699" "20030219172" "20040047498" "20040066981" "20040076335" "20040081441" "20040090532" "20040106958" "20040120598" "20040120698" "20040130628" "20040135898" "20040145659" "20040169767" "20040170330" "20040212699" "20040218057" "20040218067" "20040247030" "20040247179" "20050010108" "20050019000" "20050031224"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:26 PM

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L1228	33	L1227 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1229	29	L1228 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1230	2	L1229 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1231	4	L1229 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1232	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:26 PM

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L1233	41	L1232 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1234	10	L1233 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1235	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:26 PM
L1236	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$).did.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:26 PM
L1237	0	L1236 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1238	2	L1236 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1239	1	L1236 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:26 PM
L1240	0	L1236 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:26 PM
L1241	0	L1236 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:26 PM
L1242	0	L1236 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21

L1243	2	same settings L1236 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1244	0	L1243 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1245	2	L1243 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1246	1	L1243 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1247	0	L1243 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1248	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1249	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1250	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1251	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1252	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1253	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1254	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1255	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1256	0	(retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1257	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1258	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1259	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21
L1260	5	("20060017820" "20070 216787" "20090251557	(US-PGPUB; USPAT)	OR	OFF	OFF	02:26 PM 2018/02/21

L1261	32	("20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:26 PM
L1262	16	("20040174434" "2006017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:26 PM
L1263	67	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1264	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:26 PM
L1265	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:26 PM
L1266	0	("20040174434" "20060017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:26 PM

L1267	73	180 "20110279700 "20120086847 "20120133816 "20120182447 "20130038771 "20130050507 "20130058561 "20130063538 "20130155474 "20140050367 "5125557 "7362354 "7688379 "7920727 "7982770 "8040382 "8131118 "8244053 "8285067").PN.).PN. ("20040174434 "20060017820 "20060056835 "20070195174 "20090263028 "20090278958 "20100026872 "20100290673 "20110096180 "20110279700 "20120086847 "20120133816 "20120182447 "20130038771 "20130050507 "20130058561 "20130063538 "20130155474 "20140050367 "5125557 "7362354 "7688379 "7920727 "7982770 "8040382 "8131118 "8244053 "8285067").PN.).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1268	9	L1267 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1269	5	L1268 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1270	14704	image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:26 PM
L1271	5	L1269 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1272	5755	L1270 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1273	1783	L1272 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1274	1352	L1273 and quality	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

L1275	26	L1273 and quality near4 indicator\$4	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:27 PM
L1276	0	("2015/0288874").URP N.	(USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1277	2	L1269 and (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1278	1019	L1273 and quality near4 image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1279	9212	image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1280	388	L1279 and image with capture with automatic\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1281	30	L1280 and confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1282	2	L1280 and confidence adj level with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1283	1065	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1284	114	L1283 and (real adj time or realtime or real-time)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1285	1783	L1273 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1286	26	L1284 and buffer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1287	3	L1286 and image\$2 with (real adj time or realtime or real-time) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM

L1288	125796	(real adj time or realtime or real-time) .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1289	26394	L1288 and imag\$2 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1290	1529	L1289 and quality .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1291	587	L1290 and quality near4 image .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1292	33	L1291 and buffer .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1293	3	L1292 and image with capture with automatic\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1294	14	L1291 and suggest\$4 .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1295	10	L1294 and user .clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1296	44264	confidence adj level	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1297	155	confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1298	6612	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1299	9674	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1300	8002	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1301	23068	L1298 or L1299 or	(US-PGPUB; USPAT;	OR	OFF	OFF	2018/02/21

		L1300	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:27 PM
L1302	11	L1301 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1303	4489	L1301 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1304	89	L1303 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1305	2	L1303 and (suggest\$4 or recommend\$4) with quality with table	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1306	105426	(predefined or pre- defined or predetermined or pre- determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1307	14	(predefined or pre- defined or predetermined or pre- determined) with quality with image with (suggestion\$4 or recomend or recommendation)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1308	903	("20010036307" "20020006163" "20020006284" "20020054214" "20020150302" "20020154232" "20020191861" "20030007687" "20030052991" "20030058361" "20030068100" "20030091225" "20030103076" "20030112361" "20030151672" "20030151674" "20030152271" "20030152291" "20030169818" "20030193699" "20030219172" "20040047498" "20040066981" "20040076335"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:27 PM

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L1309	33	L1308 and (predefined or pre-defined or predetermined or pre-determined) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1310	29	L1309 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1311	2	L1310 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM

L1312	4	L1310 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1313	61	("20040075743" "20050226499" "20060061678" "20060166738" "20060221223" "20060290804" "20070019943" "20070076960" "20070263092" "20080043108" "20080278744" "20080285860" "20090046900" "20090179998" "20090193082" "20090213213" "20100117837" "20110029635" "20110075917" "20110075930" "20110307821" "20120013783" "20120022897" "5164831" "5694484" "5875265" "6282317" "6516154" "6671405" "6778699" "6801661" "6816847" "6930718" "7362354" "7924326" "7979369" "8081227" "8125557" "8199208" "8830341").PN. OR ("2006/0017820" "2011/0075930" "8330826" "9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:27 PM
L1314	41	L1313 and quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1315	10	L1314 and (suggest\$4 or recommend\$4) with quality	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1316	2	("20160191801").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:27 PM
L1317	5	(US-20110075930-\$ or US-20060017820-\$).did. or (US-8330826-\$ or US-9154692-\$ or	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM

L1318	0	US-8081227-\$.did. L1317 and shake	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1319	2	L1317 and motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:27 PM
L1320	1	L1317 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1321	0	L1317 and exposure same parameters	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1322	0	L1317 and exposure same values	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1323	0	L1317 and exposure same settings	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1324	2	L1317 and exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1325	0	L1324 and auto-focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1326	2	L1324 and focus	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1327	1	L1324 and retake	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:27 PM
L1328	0	L1324 and update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1329	23	quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1330	731	quality with automatic with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1331	29795	quality with automatic with exposure wit hiso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1332	32279	quality with automatic with exposure wit iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1333	0	quality with automatic with exposure with iso with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1334	11	quality with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1335	0	(retake or recapture) with automatic with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1336	0	(retake or recapture)	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21

L1337	0	with automatic with exposure with shutter with aperture (retake or recapture) with exposure with shutter with aperture	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1338	5	(retake or recapture) with exposure with different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1339	36	(retake or recapture) same exposure same different	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1340	5	(retake or recapture) same exposure same different same quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1341	5	("20060017820" "20070216787" "20090251557" "20110292221" "20120249837" "20060017820" "20070216787" "20090251557" "20110292221" "20120249837").PN	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1342	32	("20040174434" "2006017820" "20060056835" "20070195174" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20120086847" "20120133816" "20120182447" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20140050367" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1343	16	("20060061678" "20060221223" "20070019943" "20070076960" "20080043108" "20090046900" "20120013783" "7362354" "7924326" "8081227" "8125557" "8199208" "8830341").PN. OR ("9154692").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/02/21 02:28 PM

L1344	67	"9001255"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:28 PM
L1345	18	("9001255").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:28 PM
L1346	5	((("8655311") or ("8750514")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2018/02/21 02:28 PM
L1347	36321	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/21 02:28 PM
L1348	0	L1347 and quality with update with exposure	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1349	10954	L1347 and quality	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1350	804	L1349 and motion adj sensor	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1351	421	L1350 and weight with motion	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1352	5	L1351 and second adj weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1353	3	L1352 and estimat\$4 same weight	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/21 02:28 PM
L1354	42	("20020172432" "20040174434" "20060017820" "20060056835" "20070195174" "20070216787" "20090251557" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20110292221" "20120086847" "20120133816" "20120182447" "20120249837" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20130188866" "20140050367" "6091911" "6178294" "7130463" "7136537" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/22 08:14 AM

L1355	42	("20020172432" "20040174434" "20060017820" "20060056835" "20070195174" "20070216787" "20090251557" "20090263028" "20090278958" "20100026872" "20100290673" "20110075930" "20110096180" "20110279700" "20110292221" "20120086847" "20120133816" "20120182447" "20120249837" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20130188866" "20140050367" "2016091911" "2016178294" "2017130463" "2017136537" "2017362354" "2017688379" "2017920727" "2017982770" "2018040382" "2018081227" "2018125557" "2018131118" "2018244053" "2018285067" "2018330826" "2019154692").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/02/22 08:14 AM
L1356	42	L1354 or L1355	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:41 AM
L1357	24	L1356 and threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:41 AM
L1358	15	L1357 and weight\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:42 AM
L1359	0	L1358 and inertial	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:42 AM
L1360	0	L1358 and inert\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:42 AM
L1361	0	L1358 and object near4 recogn\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:43 AM
L1362	0	L1358 and previous same video	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2018/02/22 08:43 AM
L1363	7	(US-20110075930-\$ or	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/07/24

		US-20060017820-\$ or US-20060250515-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$ or US-7130463-\$).did.					10:29 AM
L1364	2	L1363 and blur	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:30 AM
L1365	46	("20020172432" "20040174434" "20060017820" "20060056835" "20060250515" "20070195174" "20070216787" "20090251557" "20090263028" "20090278958" "2010026872" "20100290673" "20110075930" "20110096180" "20110279700" "20110292221" "20120086847" "20120133816" "20120182447" "20120249837" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20130188866" "20140050367" "20140320679" "6091911" "6178294" "7130463" "7136537" "7362354" "7688379" "7920727" "7982770" "81040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692" "9232137" "9538083").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/07/24 10:33 AM
L1366	6	L1363 and brightness	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:34 AM
L1367	0	L1363 and brightness with motion with blur	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:34 AM
L1368	0	L1363 and brightness and motion with blur	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:34 AM
L1369	2	L1363 and blur	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:34 AM
L1370	38930	motion adj detector	(US-PGPUB; USPAT;	OR	OFF	OFF	2019/07/24

L1371	2256	L1370 and bracket	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	10:35 AM
L1372	0	L1371 and motion with exposure adj time with brightness	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:35 AM
L1373	0	L1371 and blur with exposure adj time with brightness	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:35 AM
L1374	213	blur with exposure adj time with brightness	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:36 AM
L1375	176	blur with exposure adj time with brightness same motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:36 AM
L1376	5	L1375 and (gyroscope and accelerometer)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:37 AM
L1377	16	("20020127011" "20060 082672" "20060170784 "20070122130" "2009 0219415" "2010030935 5" "20110193990" "201 20007996" "201300442 30" "20130057713" "20 130076921" "20130136 364" "20130176458" "2 0130235222" "2013031 4511" "6816188").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/07/24 10:42 AM
L1378	81455	L1377 abd blur	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/07/24 10:43 AM
L1379	4	L1377 and blur	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/07/24 10:43 AM
L1380	15	("2011/0193990").URP N.	(USPAT)	OR	OFF	OFF	2019/07/24 10:54 AM
L1381	4	L1380 and blur	(USPAT)	OR	OFF	OFF	2019/07/24 10:55 AM
L1382	5	L1375 and gyroscope	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2019/07/24 10:58 AM
L1383	5	L1382 and accelerometer	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2019/07/24 10:58 AM

L1384	7	(US-20110075930-\$ or US-20060017820-\$ or US-20060250515-\$).did. or (US-8330826-\$ or US-9154692-\$ or US-8081227-\$ or US-7130463-\$).did.	IBM_TDB) (US-PGPUB; USPAT)	OR	OFF	OFF	2020/10/29 07:49 AM
L1385	11481	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1386	11481	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1387	11481	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1388	18156	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1389	11981	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1390	39363	L1386 or L1388 or L1389	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1391	19	L1390 and confidence adj level with quality with image	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:50 AM
L1392	1419	sivan .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 07:51 AM
L1393	52117	weight with threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2020/10/29 08:07 AM
L1394	50	("20020172432" "20040174434" "20060017820" "20060056835" "20060250515" "20070195174" "20070216787" "20090251557" "20090263028" "20090278958" "2010026872" "20100290673" "20110075930" "20110096180" "2011019	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/10/29 09:04 AM

		3990" "20110279700" "20110292221" "20120007996" "20120086847" "20120133816" "20120177352" "20120182447" "20120249837" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20130188866" "20130314511" "20140050367" "20140320679" "6091911" "6178294" "7130463" "7136537" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692" "9232137" "9538083").PN.					
L1395	13247	h04n5/23222.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:49 AM
L1396	21587	h04n5/23229.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:49 AM
L1397	13438	h04n5/23258.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:49 AM
L1398	9	snapaid .asn.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:49 AM
L1399	38	sivan with lshay .in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:50 AM
L1400	45551	L1395 or L1396 or L1397	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:50 AM
L1401	41	L1398 or L1399	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:50 AM
L1402	2680836	lens	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:53 AM
L1403	865121	L1402 and focus\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2021/10/04 05:53 AM

L1404	182905	L1403 and motion	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:53 AM
L1405	3514	L1404 and weight with motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:54 AM
L1406	661	L1405 and (under or over) with (exposure or exposed)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:55 AM
L1407	173	L1406 and obstruction	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:56 AM
L1408	2	L1406 and obstruction with weight	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:57 AM
L1409	63	L1407 and neural adj network	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:57 AM
L1410	3747859	L1409 adn threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:58 AM
L1411	63	L1409 and threshold	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 05:58 AM
L1412	104	L1400 and L1405	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:00 AM
L1413	41	L1398 or L1399	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:00 AM
L1414	15	L1413 and L1405	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:00 AM
L1415	41	L1413 or L1414	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:00 AM
L1416	2921	estimat\$4 with quality with images	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2021/10/04 06:04 AM

L1417	160	L1416 and (motion or location) near4 sensor	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:04 AM
L1418	27	L1417 and face with detect\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:06 AM
L1419	50	("20020172432" "20040174434" "20060017820" "20060056835" "20060250515" "20070195174" "20070216787" "20090251557" "20090263028" "20090278958" "2010026872" "20100290673" "20110075930" "20110096180" "20110193990" "20110279700" "20110292221" "20120007996" "20120086847" "20120133816" "20120177352" "20120182447" "20120249837" "20130038771" "20130050507" "20130058561" "20130063538" "20130155474" "20130188866" "20130314511" "20140050367" "20140320679" "6091911" "6178294" "7130463" "7136537" "7362354" "7688379" "7920727" "7982770" "8040382" "8081227" "8125557" "8131118" "8244053" "8285067" "8330826" "9154692" "9232137" "9538083").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2021/10/04 06:12 AM
L1420	16	L1419 and face with detect\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:12 AM
L1421	5	L1420 and (under or over) with (exposure or exposed)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:13 AM
L1422	0	L1421 and (motion or location) near4 sensor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:13 AM
L1423	0	L1421 and weight with motion	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2021/10/04 06:13 AM

L1424	13	L1420 and focus\$4	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:14 AM
L1425	0	L1424 and obstruction with weight	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2021/10/04 06:14 AM
L1426	50	("20020172432" OR "20040174434" OR "20060017820" OR "20060056835" OR "20060250515" OR "20070195174" OR "20070216787" OR "20090251557" OR "20090263028" OR "20090278958" OR "20100026872" OR "20100290673" OR "20110075930" OR "20110096180" OR "20110193990" OR "20110279700" OR "20110292221" OR "20120007996" OR "20120086847" OR "20120133816" OR "20120177352" OR "20120182447" OR "20120249837" OR "20130038771" OR "20130050507" OR "20130058561" OR "20130063538" OR "20130155474" OR "20130188866" OR "20130314511" OR "20140050367" OR "20140320679" OR "6091911" OR "6178294" OR "7130463" OR "7136537" OR "7362354" OR "7688379" OR "7920727" OR "7982770" OR "8040382" OR "8081227" OR "8125557" OR "8131118" OR "8244053" OR "8285067" OR "8330826" OR "9154692" OR	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/28 11:31 AM

L1427	813630	"9232137" OR "9538083").pn. focus SAME distance	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:36 AM
L1428	941273	1427 depth near3 focus	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:36 AM
L1429	85399	1427 AND depth near3 focus	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:36 AM
L1430	12961	1429 AND (suggest\$4 OR recommendation OR recommend\$4)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/01/08 10:38 AM

L1431	6236	1430 AND 3d	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:39 AM
L1432	1006	1431 AND face SAME recognition	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:39 AM
L1433	1306	1431 AND (face OR facial) SAME recognition	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:39 AM

L1434	517	1433 AND deep ADJ learning	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:47 AM
L1435	403708	1433 AND deep ADJ learning samew focus SAME depth	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:48 AM
L1436	8	1433 AND deep ADJ learning SAME focus SAME depth	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 10:48 AM
L1437	79385	stereoscopic near4 camera	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2024/01/08 11:03 AM

L1438	857	1437 AND distance SAME focus SAME (face OR facial)	IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:04 AM
L1439	63	1438 AND deep ADJ learning	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:04 AM
L1440	252	1437 AND distance SAME focus SAME (face OR facial) SAME depth	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:10 AM

L1441	188	1440 AND quality	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:10 AM
L1442	1	1440 AND quality SAME suggestion	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:10 AM
L1443	11	1440 AND suggestion	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:11 AM
L1444	21	1440 AND sugges\$4 SAME distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2024/01/08 11:11 AM

L1445	22	1440 AND sugges\$4 SAME (distance OR move)	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:11 AM
L1446	2566	depth SAME field SAME aperture SAME distance SAME face	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:20 AM
L1447	94	depth SAME field SAME aperture SAME distance SAME face SAME (sugges\$4 OR recommend\$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:21 AM
L1448	39	depth SAME field	(US-PGPUB; USPAT;	OR	ON	ON	2024/01/08

		SAME aperture SAME distance SAME face SAME (suggest\$4 OR recommend\$4) SAME move	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				11:22 AM
L1449	3432	distance SAME face SAME (suggest\$4 OR recommend\$4) SAME move	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:24 AM
L1450	12	((US-20110075930-A1 OR US-20060017820-A1 OR US-20060250515-A1 OR US-20120177352-A1 OR US-20130314511-A1 OR US-20110193990-A1 OR US-20120007996-A1 OR US-20110074928-A1).did. AND PGPB.dbnm.) OR ((US-8330826-B2 OR US-9154692-B2 OR US-8081227-B1 OR US-7130463-B1).did. AND USPT.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:24 AM
L1451	0	1450 AND 1449	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2024/01/08 11:24 AM

L1452	231303	1450 (suggest\$4 OR recommend\$4) SAME move	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:24 AM
L1453	0	1450 AND (suggest\$4 OR recommend\$4) SAME move	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:24 AM
L1454	7	1450 AND (suggest\$4 OR recommend\$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 11:25 AM
L1455	0	1450 AND (suggest\$4	(US-PGPUB; USPAT;	OR	ON	ON	2024/01/08

		OR recommend\$4) SAME table	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				11:29 AM
L1456	0	1450 AND deep ADJ learning	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:12 PM
L1457	2923	facial ADJ recognition SAME deep ADJ learning	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:13 PM
L1458	127	facial ADJ recognition SAME deep ADJ learning SAME depth	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2024/01/08 01:13 PM

L1459	1	facial ADJ recognition SAME deep ADJ learning SAME depth SAME aperture	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:13 PM
L1460	27	facial ADJ recognition SAME deep ADJ learning SAME depth AND suggest\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:14 PM
L1461	1	facial ADJ recognition SAME deep ADJ learning SAME depth AND suggest\$4 near4 mov\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:14 PM
L1462	2923	facial ADJ recognition SAME deep ADJ	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2024/01/08 01:16 PM

		learning	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L1463	634	facial ADJ recognition SAME deep ADJ learning SAME distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:16 PM
L1464	22	facial ADJ recognition WITH deep ADJ learning WITH distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:16 PM
L1465	1258	facial ADJ recognition WITH deep ADJ learning	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2024/01/08 01:17 PM

L1466	0	facial ADJ recognition WITH deep ADJ learning SAME focus SAME aperture	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:30 PM
L1467	216	facial ADJ recognition near4 deep ADJ learning	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:33 PM
L1468	4	facial ADJ recognition near4 deep ADJ learning SAME distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:33 PM
L1469	1301	facial ADJ recognition WITH deep near4 learning	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2024/01/08 01:37 PM

L1470	26	facial ADJ recognition WITH deep near4 learning WITH distance	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:37 PM
L1471	1035	(facial OR face) WITH deep near4 learning WITH distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:39 PM
L1472	982	(facial OR face) WITH deep ADJ learning WITH distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:39 PM

L1473	23	"9338348"	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:41 PM
L1474	133059	deep ADJ learning near4 algorithm\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:42 PM
L1475	80583	deep ADJ learning ADJ algorithm\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:42 PM
L1476	20	deep ADJ learning ADJ algorithm\$4 near4 facial ADJ recognition	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/01/08 01:42 PM

L1477	93	deep ADJ learning ADJ algorithm\$4 near4 object SAME distance	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:42 PM
L1478	1457629	deep ADJ learning ADJ algorithm\$4 saem object SAME recogniz\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:44 PM
L1479	1133	deep ADJ learning ADJ algorithm\$4 SAME object SAME recogniz\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:44 PM

L1480	617	deep ADJ learning ADJ algorithm\$4 WITH object SAME recogniz\$4	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:45 PM
L1481	148	hannett .xa.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:55 PM
L1482	1207	hannett .xp.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:55 PM
L1483	1355	1481 OR 1482	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/01/08 01:55 PM

L1484	21	1483 AND deep ADJ learning	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 01:55 PM
L1485	3745	suggest\$4 SAME distance SAME aperture	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:36 PM
L1486	402	suggest\$4 SAME distance SAME aperture SAME camera	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:37 PM

L1487	10911885	suggest\$4 SAME distance SAME aperture SAME camera saem camera	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:37 PM
L1488	402	suggest\$4 SAME distance SAME aperture SAME camera SAME camera	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:37 PM
L1489	195	suggest\$4 SAME distance SAME aperture SAME camera SAME camera SAME object	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:37 PM
L1490	41	suggest\$4 SAME distance SAME aperture SAME camera SAME camera SAME depth near4 field	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/01/08 02:37 PM

L1491	0	143 AND suggest\$4 SAME distance SAME aperture SAME camera SAME camera SAME depth near4 field	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:39 PM
L1492	0	143 AND suggest\$4 SAME distance SAME aperture SAME depth near4 field	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:39 PM
L1493	0	143 AND suggest\$4 SAME distance SAME aperture	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/01/08 02:39 PM

L1494	0	143 AND suggest\$4	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:39 PM
L1495	114	1483 AND suggest\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:40 PM
L1496	4	1483 AND suggest\$4 SAME aperture	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 02:40 PM
L1497	11	"8897595"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2024/01/08 02:42 PM

L1498	19	"2009015681"	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:04 PM
L1499	3	"2009 015681"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:04 PM
L1500	19	"2009015681"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:04 PM

L1501	12	"20090015681"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:08 PM
L1502	19	"2009015681"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:14 PM
L1503	8	"9076204"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:14 PM
L1504	19	"2018115704"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2024/01/08 04:33 PM

L1505	8	"20180115704"	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:33 PM
L1506	75	machine ADJ learning WITH PSF	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:36 PM
L1507	72	machine ADJ learning SAME defocused	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:36 PM
L1508	3	machine ADJ learning	(US-PGPUB; USPAT;	OR	ON	ON	2024/01/08

		SAME defocused SAME loss ADJ function	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				04:37 PM
L1509	0	"20018115704"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:50 PM
L1510	0	"200180115704"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:50 PM
L1511	8459	pSF SAME regions	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:54 PM

L1512	514	pSF SAME regions SAME deconvolution	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:54 PM
L1513	52	PSF SAME regions SAME deconvolution SAME enhanc\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:54 PM
L1514	11	PSF SAME regions SAME deconvolution SAME enhanc\$4 AND depth near4 field	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 04:55 PM
L1515	89	(PSF OR point ADJ spread ADJ function)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2024/01/08 04:56 PM

		SAME regions SAME deconvolution SAME enhanc\$4	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L1516	12	"20090015681"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:00 PM
L1517	4049	depth NEAR objects SAME focal point SAME differenece	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:35 PM
L1518	5066317	depth NEAR objects SAME focal point SAME difference	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:35 PM

L1519	79	depth NEAR objects SAME focal ADJ point SAME difference	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:35 PM
L1520	42	depth NEAR objects SAME focal ADJ point SAME difference SAME calculat\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:36 PM
L1521	148	hannett .xa.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:37 PM
L1522	1207	hannett .xp.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2024/01/08 05:37 PM

L1523	1355	1522 OR 1521	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:37 PM
L1524	11	1523 AND focal ADJ point AND depth NEAR field	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:39 PM
L1525	63146462	depth SAME front SAME back saem object\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:40 PM

L1526	85107	depth SAME front SAME back SAME object\$4	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:40 PM
L1527	7077	depth SAME front SAME back SAME object\$4 SAME (focus OR focal)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:41 PM
L1528	1763	depth SAME front SAME back SAME object\$4 SAME (focus OR focal) SAME calculat\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:41 PM
L1529	87	depth SAME front near4 back near4 object\$4 SAME (focus OR focal) SAME calculat\$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/01/08 05:41 PM

L1530	20	1529 AND depth ADJ map	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:42 PM
L1531	5000	depths SAME objects SAME distance SAME focal ADJ point	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:44 PM
L1532	2286	depths SAME objects SAME distance SAME focal ADJ point AND depth near4 focus	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:44 PM

L1533	346	depths SAME objects SAME distance SAME focal ADJ point AND DOF	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:44 PM
L1534	141	depths SAME objects SAME distance SAME focal ADJ point SAME DOF	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:44 PM
L1535	7	depths SAME objects SAME distance SAME focal ADJ point SAME DOF SAME map	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/08 05:44 PM
L1536	36	(Artificial Intelligence) More like doc: US-20230319401-A1 Text: (WO-2023192706-A1	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/01/08 05:46 PM

		OR US-20130293761-A1 OR US-9137526-B2 OR CN-107979716-A OR CN-107979716-B OR KR-20180044085-A OR KR-102550175-B1 OR US-20180115704-A1 OR US-10594932-B2 OR CN-102017607-B OR US-20110033132-A1 OR JP-5331816-B2 OR JP-WO2010098054-A1 OR CN-102017607-A OR WO-2010098054-A1 OR EP-2403235-A1 OR US-8422827-B2 OR EP-2403235-B1 OR TW-202303443-A OR US-20230011950-A1).did.	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L1537	13	((US-20110075930-A1 OR US-20060017820-A1 OR US-20060250515-A1 OR US-20120177352-A1 OR US-20130314511-A1 OR US-20110193990-A1 OR US-20120007996-A1 OR US-20110074928-A1).did. AND PGPB.dbnm.) OR ((US-8330826-B2 OR US-9154692-B2 OR US-8081227-B1 OR US-7130463-B1 OR US-9438816-B2).did. AND USPT.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/09 12:56 PM
L1538	42023071	1537 right	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/09 12:56 PM
L1539	7	1537 AND right	(US-PGPUB; USPAT; USOCR; FIT (AU, AP,	OR	ON	ON	2024/01/09 12:56 PM

L1540	1	1537 AND right SAME move	AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/09 12:56 PM
L1541	1212	hannett .xp.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/09 01:01 PM
L1542	148	hannett .xa.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/09 01:01 PM

L1543	1360	1541 OR 1542	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/09 01:01 PM
L1544	9	1543 AND (suggest OR recommend) SAME move	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/09 01:01 PM
L1545	22	1543 AND instruct SAME move	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/09 01:03 PM
L1546	1	1543 AND instruct SAME move SAME distance	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2024/01/09 01:03 PM

L1547	18	1543 AND instruct SAME move AND distance	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/01/09 01:03 PM
L1548	0	quality WITH background WITH blurring WITH test WITH face	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/12/02 11:10 AM
L1549	0	quality WITH background WITH blurring WITH test WITH object	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK,	OR	ON	ON	2024/12/02 11:10 AM

			TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
--	--	--	---	--	--	--	--

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

Bibliographic Data

Application No: 18/139,368

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged: /JAMES M HANNETT/

Initials

Title: REAL TIME ASSESSMENT OF PICTURE QUALITY

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
04/26/2023	348	2639	SIVAN-001-US7
RULE			

APPLICANTS

SnapAid Ltd.,

INVENTORS

Ishay SIVAN, Tel Aviv, ISRAEL

CONTINUING DATA

This application is a CON of 17666585 02/08/2022 PAT 11671702

17666585 is a CON of 17189587 03/02/2021 PAT 11252325

17189587 is a CON of 16867919 05/06/2020 PAT 10944901

16867919 is a CON of 15992217 05/30/2018 PAT 10659682

15992217 is a CON of 15582722 04/30/2017 PAT 10009537

15582722 is a CON of 15007253 01/27/2016 PAT 9661226

15007253 is a CON of 14437105 04/20/2015 PAT 9338348

14437105 is a 371 of PCT/IL2013/050856 10/22/2013

PCT/IL2013/050856 has PRO of 61759643 02/01/2013

PCT/IL2013/050856 has PRO of 61717216 10/23/2012

FOREIGN APPLICATIONS

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05/10/2023

** SMALL ENTITY **

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ISRAEL

ADDRESS

May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230

Ramat-Gan, 5217102

ISRAEL

FILING FEE RECEIVED

\$664

TO: uspto.may.patents@gmail.com,dorit.shemtov@gmail.com,ybybyb1@gmail.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - Correspondence Notification for Customer Number 131926

Mon Dec 09 05:00:25 EST 2024

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P.O.B 7230
Ramat-Gan,null,5217102
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Application	Document	Mailroom Date	Attorney Docket No.
18139368	NOA	12/09/2024	SIVAN-001-US7

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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
18/139,368

RECEIPT DATE / TIME
02/05/2025 11:26:43 AM Z ET

ATTORNEY DOCKET #
SIVAN-001-US7

Title of Invention

REAL TIME ASSESSMENT OF PICTURE QUALITY

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 5294

FILED BY Dorit Binder

PATENT CENTER # 69057113

AUTHORIZED BY Yehuda Binder

CUSTOMER # 131926

FILING DATE 04/26/2023

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Ishay SIVAN

Payment Information

PAYMENT METHOD
DA / 601835

PAYMENT TRANSACTION ID
E202525B27109101

PAYMENT AUTHORIZED BY
Dorit Binder

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2501	UTILITY ISSUE FEE	480.00	1	480.00
TOTAL AMOUNT:				\$480.00

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/139,368

RECEIPT DATE / TIME
02/05/2025 11:26:43 AM Z ET

ATTORNEY DOCKET #
SIVAN-001-US7

Title of Invention

REAL TIME ASSESSMENT OF PICTURE QUALITY

Application Information

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 under 35 USC 111(a)

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CONFIRMATION # 5294

FILED BY Dorit Binder

PATENT CENTER # 69057113

FILING DATE 04/26/2023

CUSTOMER # 131926

FIRST NAMED
INVENTOR Ishay SIVAN

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY Yehuda Binder

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
ptol85b.pdf	2	Issue Fee Payment (PTO-85B)	245 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
ptol85b.pdf	61DF3B634906307BCE767FD4C70EDD70804FAF954D2BB3A1 EB57AB4C2302661727383B5606F3F9D85C859F43012CCAB23 F0B82C9D5BB4D8E73A6860657E1E3D8

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New International Application Filed with the USPTO as a Receiving Office

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PART B – FEE(S) TRANSMITTAL

Complete and send this form, together with the applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

By fax, send to: (571) 273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

May Patents Ltd.

c/o Dorit Shem-Tov

P.O.B. 7230

Ramat-Gan 5217102,

Israel

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via the USPTO patent electronic filing system or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)

(Signature)

February 5, 2025

(Date)

APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO
18/139,368	04/26/2023	Ishay SIVAN	SIVAN-001-US7	5294

TITLE OF INVENTION:

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	03/10/2025

EXAMINER	ART UNIT	CLASS-SUBCLASS
JAMES M HANNETT	2639	348/208.150

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363)

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. May Patents Ltd. c/o Do

2.

3.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE or COUNTRY)

SNAPPAID LTD.

Ness Ziona

Israel 7404987

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government4a. Fees Submitted: ☒ Issue Fee ☐ Publication Fee (if required)

4b. Method of Payment (Please first reapply any previously paid fee shown above):

- ☐ Electronic Payment via the USPTO patent electronic filing system ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)
- ☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 601935

5. Change of Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29.☐ Applicant asserting small entity status. See 37 CFR 1.27.☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid Certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken as a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken as a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Yehuda Binder/

Date February 5, 2025

Typed or printed name Yehuda BINDER

Registration No. 73,612

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The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/139,368	03/11/2025	12250452	SIVAN-001-US7	5294

131926 7590 02/19/2025
May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan, 5217102
ISRAEL

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at <https://patentcenter.uspto.gov/>. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

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INVENTOR(s) (Please see PATENT CENTER site <https://patentcenter.uspto.gov> for additional inventors):

Ishay SIVAN, Tel Aviv, ISRAEL;

APPLICANT(s) (Please see PATENT CENTER site <https://patentcenter.uspto.gov> for additional applicants):

SnapAid Ltd., Tel Aviv, ISRAEL;

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TO: uspto.may.patents@gmail.com,dorit.shemtov@gmail.com,ybybyb1@gmail.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - Correspondence Notification for Customer Number 131926

Thu Feb 20 08:01:05 EST 2025

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Application	Document	Mailroom Date	Attorney Docket No.
18139368	ISSUE.NTF	02/19/2025	SIVAN-001-US7

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/139,368	04/26/2023	Ishay SIVAN	SIVAN-001-US7	5294
131926	7590	03/11/2025	EXAMINER	
May Patents Ltd. c/o Dorit Shem-Tov			HANNETT, JAMES M	
P.O.B 7230			ART UNIT	PAPER NUMBER
Ramat-Gan, 5217102			2639	
ISRAEL			NOTIFICATION DATE	DELIVERY MODE
			03/11/2025	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

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dorit.shemtov@gmail.com
uspto.may.patents@gmail.com
ybybyb1@gmail.com

APPLICATION NO.	ISSUE DATE	PATENT NO.
18/139,368	11-Mar-2025	12250452

May Patents Ltd. c/o Dorit Shem-Tov
P.O.B 7230
Ramat-Gan, 5217102
ISRAEL

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TO: uspto.may.patents@gmail.com,dorit.shemtov@gmail.com,ybybyb1@gmail.com
FROM: noreply@uspto.gov
CC: patentcenter_eofficeaction@uspto.gov
SUBJECT: USPTO: Patent Electronic System - eGrant Notification for Customer Number 131926

Tue Mar 11 07:28:04 EDT 2025

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Correspondence Address:

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P.O.B 7230
Ramat-Gan,null,5217102
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Application	Patent	Document	Mailroom Date	Attorney Docket No.
18139368	12250452	EGRANT.NTF	03/11/2025	SIVAN-001-US7

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