

From the INTERNATIONAL SEARCHING AUTHORITY

To: THAINE LENNOX-GENTLE
SHERIDAN ROSS P.C.
1560 BROADWAY, SUITE 1200
DENVER, CO 80202

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing
(day/month/year)

22 AUG 2014

Applicant's or agent's file reference
6583-543-PCT

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.
PCT/US2014/034092

International filing date
(day/month/year) **15 April 2014**

Applicant **FLEXTRONICS AP, LLC**

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

How? Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45bis.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300
Telephone No. PCT OSP: 571-272-7774

Form PCT/ISA/220 (July 2014)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6583-543-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2014/034092	International filing date (<i>day/month/year</i>) 15 April 2014	(Earliest) Priority Date (<i>day/month/year</i>) 15 April 2013
Applicant FLEXTRONICS AP, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed.
☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (see Box No. II).

3. ☐ Unity of invention is lacking (see Box No. III).

4. With regard to the title,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 2
☒ as suggested by the applicant.
☐ as selected by this Authority, because the applicant failed to suggest a figure.
☐ as selected by this Authority, because this figure better characterizes the invention.
b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2014/034092

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - B60R 22/00 (2014.01) USPC - 701/49 According to International Patent Classification (IPC) or to both national classification and IPC																	
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC(8) - B60R 22/00; E05F 15/00; G05D 1/00, 3/00 (2014.01) USPC - 701/1, 36, 45, 49 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched CPC - B60N 2/0248, 2/0244, 2/0232, 2/0252 (2014.02) Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Orbit, Google Scholar,																	
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 2005/0261815 A1 (COWELCHUK et al) 24 November 2005 (24.11.2005) entire document</td> <td>1-15.</td> </tr> <tr> <td>A</td> <td>US 2010/0036560 A1 (WRIGHT et al) 11 February 2010 (11.02.2010) entire document</td> <td>1-15</td> </tr> <tr> <td>A</td> <td>US 2010/0087987 A1 (HUANG et al) 08 April 2010 (08.04.2010) entire document</td> <td>1-15</td> </tr> <tr> <td>A</td> <td>US 2012/0053793 A1 (SALA et al) 01 March 2012 (01.03.2012) entire document</td> <td>1-15</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 2005/0261815 A1 (COWELCHUK et al) 24 November 2005 (24.11.2005) entire document	1-15.	A	US 2010/0036560 A1 (WRIGHT et al) 11 February 2010 (11.02.2010) entire document	1-15	A	US 2010/0087987 A1 (HUANG et al) 08 April 2010 (08.04.2010) entire document	1-15	A	US 2012/0053793 A1 (SALA et al) 01 March 2012 (01.03.2012) entire document	1-15
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☐ Further documents are listed in the continuation of Box C. ☐																	
<table border="0"> <tr> <td> * Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed </td> <td> "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family </td> </tr> </table>			* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family													
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family																
Date of the actual completion of the international search 31 July 2014		Date of mailing of the international search report 22 AUG 2014															
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774															

Form PCT/ISA/210 (second sheet) (July 2009)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: THAINE LENNOX-GENTLE
SHERIDAN ROSS P.C.
1560 BROADWAY, SUITE 1200
DENVER, CO 80202

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

22 AUG 2014

Applicant's or agent's file reference
6583-543-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/US2014/034092

International filing date (day/month/year)

15 April 2014

Priority date (day/month/year)

15 April 2013

International Patent Classification (IPC) or both national classification and IPC

IPC(8) - B60R 22/00 (2014.01)

USPC - 701/49

Applicant FLEXTRONICS AP, LLC

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of completion of this opinion

31 July 2014

Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US2014/034092

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed.
 - ☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
 - ☐ on paper
 - ☐ in electronic form
 - b. (time)
 - ☐ in the international application as filed
 - ☐ together with the international application in electronic form
 - ☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

Form PCT/ISA/237 (Box No. I) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/034092

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	3 and 12	YES
	Claims	1-2, 4-11 and 13-15	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-15	NO
Industrial applicability (IA)	Claims	1-15	YES
	Claims	None	NO

2. Citations and explanations:

Claims 1-2, 4-11 and 13-15 lack novelty under PCT Article 33(2) as being anticipated by Cowelchuk et al. (US 2005/0261815 A1; hereinafter Cowelchuk).

Regarding claim 1, Cowelchuk discloses a method, comprising: receiving information associated with a user (Paragraph [0012]-[0013] and [0029]; The invention is to a system of receiving and storing custom user vehicle settings into one of multiple user profiles); determining whether at least some of the received information qualifies as user profile data (Paragraphs [0022]-[0023] and [0028]-[0029]; the system is equipped with various sensors for sensing driving conditions. Some of this sensed information such as mirror and seat positions can be stored in user profile settings); and storing, based at least partially on determining that the at least some of the received information qualifies as user profile data, the user profile data in a profile data memory associated with the user (Paragraph [0028]-[0030]; some of the sensed data can be saved in user profile settings. With the information being stored and associated with a driver number (e.g. "Driver 1" through "Driver ") through a memory preset button).

Regarding claim 2, Cowelchuk discloses the method of claim 1, wherein the user profile data includes at least one of vehicle settings, user preferences, user speech, data input at a device associated with a vehicle, and stored information (Paragraphs [0015] and [0030]; the vehicle settings that can be stored and customized include mirror and seat positions, audio data, voice matching and temperature controls).

Regarding claim 4, Cowelchuk discloses the method of claim 1, further comprising: receiving a request to access the user profile data associated with the user from the profile data memory (Paragraphs [0028]-[0030]; users can depress a memory preset button associated with a driver number to change, reset or delete any settings, with the settings being stored in a driver number (e.g., Driver 1 through Driver n)); determining whether the request is made by an authorized source (Paragraph [0030]; the system can use voice, fingerprint, or retinal matching or other biometric identification technology to associate a user profile with a particular user); and providing access to the user profile data stored in the profile data memory when the request is made by the authorized source (Paragraph [0030]; the system can use voice, fingerprint, or retinal matching or other biometric identification technology to associate a user profile with a particular user. An authorized user can change, reset, delete or recall customizable settings as previously mentioned).

Regarding claim 5, Cowelchuk discloses the method of claim 1, further comprising: receiving modifying information associated with the user (Paragraphs [0028]-[0030]; users can depress a memory preset button associated with a driver number to change, reset or delete any settings, with the settings being stored in a driver number (e.g., Driver 1 through Driver n)); modifying the user profile data in the profile data memory associated with the user to include the modifying information associated with the user (Paragraphs [0028]-[0030]; users can depress a memory preset button associated with a driver number to change, reset or delete any settings, with the settings being stored in a driver number (e.g., Driver 1 through Driver n)); and storing the modified user profile data in the profile data memory associated with the user (Paragraphs [0028]-[0030]; users can depress a memory preset button associated with a driver number to change, reset or delete any settings, with the settings being stored in a driver number (e.g., Driver 1 through Driver n)).

Regarding claim 6, Cowelchuk discloses the method of claim 5, wherein modifying the user profile data includes at least one of overwriting data, deleting data, and adding data (Paragraphs [0028]-[0030]; users can depress a memory preset button associated with a driver number to change, reset or delete any settings, with the settings being stored in a driver number (e.g., Driver 1 through Driver n)).

Regarding claim 7, Cowelchuk discloses the method of claim 1, wherein prior to storing the user profile data the method further comprises: determining at least one category associated with information in the user profile data (Paragraphs [0011]-[0012]; the settings categories include driver seat positions, audio and video presets, rearview and side mirror positions, temperature control settings, seat belt height, steering wheel positions, accelerator/brake positions, light colors and intensity, airbag activation and many other categories of settings.); and selecting, based at least partially on the determined at least one category, a specific data field in the profile data memory for storing the user profile data, wherein the specific data field corresponds to the determined at least one category (Paragraphs [0011]-[0012] and Paragraph [0029]; the system has a control unit interface which stores one or more of the various settings for the one or more above mentioned parameters (categories) into a user profile).

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/034092

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Regarding claim 8. Cowelchuk discloses the method of claim 1, further comprising: recognizing the user via one or more sensors associated with a vehicle (Paragraph [0030]; users can be recognized through voice, fingerprint, retinal, or other biometric sensors as well as through a key fob sensors or simply through a button sensor); and retrieving, from the profile data memory and based on the recognition, information in the user profile data associated with the user (Paragraphs [0030] and [0035]; the system can use voice, fingerprint, or retinal matching or other biometric identification technology to associate a user profile with a particular user. An authorized user can change, reset, delete or recall customizable settings stored in memory as previously mentioned).

Regarding claim 9. Cowelchuk discloses the method of claim 8, further comprising: configuring at least one setting of the vehicle based on the information retrieved from the profile data memory (Paragraph [0030]; through the driver identification device a user can depress a memory preset button to alert the control unit as to which settings the customizable parameters are to be recalled).

Regarding claim 10. Cowelchuk discloses a non-transitory computer readable medium having instructions stored thereon that, when executed by a processor (Paragraphs [0017] and [0033]; the system has processing means which are configured to read data from data sources (memory) or input devices to accomplish the invention means), perform a method comprising: receiving information associated with a user (Paragraph [0012]-[0013] and [0029]; The invention is to a system of receiving and storing custom user vehicle settings into one of multiple user profiles); determining whether at least some of the received information qualifies as user profile data (Paragraphs [0022]-[0023] and [0028]-[0029]; the system is equipped with various sensors for sensing driving conditions. Some of this sensed information such as mirror and seat positions can be stored in user profile settings); and storing, based at least partially on determining that the at least some of the received information qualifies as user profile data, the user profile data in a profile data memory associated with the user (Paragraph [0028]-[0030]; some of the sensed data can be saved in user profile settings. With the information being stored and associated with a driver number (e.g. "Driver 1" through "Driver ") through a memory preset button).

Regarding claim 11. Cowelchuk discloses the non-transitory computer readable medium of claim 10, wherein the user profile data includes at least one of vehicle settings, user preferences, user speech, data input at a device associated with a vehicle, and stored information (Paragraphs [0015] and [0030]; the vehicle settings that can be stored and customized include mirror and seat positions, audio data, voice matching and temperature controls).

Regarding claim 13. Cowelchuk discloses the non-transitory computer readable medium of claim 10, wherein prior to storing the user profile data the method further comprises: determining at least one category associated with information in the user profile data (Paragraphs [0011]-[0012]; the settings categories include driver seat positions, audio and video presets, rearview and side mirror positions, temperature control settings, seat belt height, steering wheel positions, accelerator/brake positions, light colors and intensity, airbag activation and many other categories of settings.); and selecting, based at least partially on the determined at least one category, a specific data field in the profile data memory for storing the user profile data, wherein the specific data field corresponds to the determined at least one category (Paragraphs [0011]-[0012] and Paragraph [0029]; the system has a control unit interface which stores one or more of the various settings for the one or more above mentioned parameters (categories) into a user profile).

Regarding claim 14. Cowelchuk discloses the non-transitory computer readable medium of claim 10, wherein the method further comprises: recognizing the user via one or more sensors associated with a vehicle (Paragraph [0030]; users can be recognized through voice, fingerprint, retinal, or other biometric sensors as well as through a key fob sensors or simply through a button sensor); retrieving, from the profile data memory and based on the recognition, information in the user profile data associated with the user (Paragraphs [0030] and [0035]; the system can use voice, fingerprint, or retinal matching or other biometric identification technology to associate a user profile with a particular user. An authorized user can change, reset, delete or recall customizable settings stored in memory as previously mentioned); and configuring at least one setting of the vehicle based on the information retrieved from the profile data memory (Paragraph [0030]; through the driver identification device a user can depress a memory preset button to alert the control unit as to which settings the customizable parameters are to be recalled).

Regarding claim 15. Cowelchuk discloses a user profile system (Paragraph [0012]-[0013] and [0029]; The invention is to a system of receiving and storing custom user vehicle settings into one of multiple user profiles), comprising: a profile identification module contained in a memory and executed by a processor of the user profile system Paragraphs [0028]-[0030]; users can depress a memory preset button associated with a driver number to change, reset or delete any settings, with the settings being stored in a driver number profile (e.g., Driver 1 through Driver n). Additionally Paragraphs [0017] and [0033]; the system has processing means which are configured to read data from data sources (memory) or input devices to accomplish the invention means), the profile identification module configured to receive information associated with a user (Paragraph [0012]-[0013] and [0029]; The invention is to a system of receiving and storing custom user vehicle settings into one of multiple user profiles), determine whether at least some of the received information qualifies as user profile data (Paragraphs [0022]-[0023] and [0028]-[0029]; the system is equipped with various sensors for sensing driving conditions. Some of this sensed information such as mirror and seat positions can be stored in user profile settings), and store, based at least partially on determining that the at least some of the received information qualifies as user profile data, the user profile data in a profile data memory associated with the user (Paragraph [0028]-[0030]; some of the sensed data can be saved in user profile settings. With the information being stored and associated with a driver number (e.g. "Driver 1" through "Driver ") through a memory preset button), wherein the information associated with the user includes input received at a device associated with a vehicle (Paragraphs [0028]-[0030]; through the driver identification device a user can depress a memory preset button to alert the control unit as to which settings the customizable parameters are to be recalled, changed, reset or deleted), and wherein the profile identification module is further configured to receive modifying information associated with the user, modify the user profile data in the profile data memory associated with the user to include the modifying information associated with the user, and store the modified user profile data in the profile data memory associated with the user (Paragraphs [0028]-[0030]; through the driver identification device a user can depress a memory preset button to alert the control unit as to which settings the customizable parameters are to be recalled, changed, reset or deleted).

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US2014/034092

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Claims 3 and 12 lack an inventive step under PCT Article 33(3) as being obvious over Cowelchuk et al. (US 2005/0261815 A1; hereinafter Cowelchuk).

Regarding claim 3, Cowelchuk discloses the method of claim 1, wherein determining whether at least some of the received information qualifies as user profile data further comprises: referring to rules stored in a memory, wherein the rules include matching information corresponding to user profile data (Paragraph [0030]; the user can input physical characteristics such as height, etc. and seat, pedal and mirror positions can be "matched" to preset positioning data that matches the input characteristic). Cowelchuk does not explicitly disclose determining, based at least partially on the rules, whether a match exists between the received information and the matching information corresponding to user profile data; and indicating, when the match exists, that the received information qualifies as user profile data. However it would be necessary that the system would need to match up the received parameter inputs to a corresponding profile memory area for storing settings related to each vehicle parameter (Paragraphs [0015] and [0030]; the vehicle settings that can be stored and customized include mirror and seat positions, audio data, voice matching and temperature controls among others). Further Cowelchuk does disclose playing a sound which is assigned to the various customized parameters and therefore a sound can indicate a customized parameter has been set/matched to the profile data (Paragraph [0036]; the user can select and assign a audio sound to each of the various customizable parameters). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to include determining, based at least partially on the rules, whether a match exists between the received information and the matching information corresponding to user profile data; and indicating, when the match exists, that the received information qualifies as user profile data in the invention of Cowelchuk, so the system can provide feedback to a driver or user that an action of operating a control is being carried out (Cowelchuk; Paragraph [0002]).

Regarding claim 12, Cowelchuk discloses the non-transitory computer readable medium of claim 10, wherein determining whether at least some of the received information qualifies as user profile data further comprises: referring to rules stored in a memory, wherein the rules include matching information corresponding to user profile data (Paragraph [0030]; the user can input physical characteristics such as height, etc. and seat, pedal and mirror positions can be "matched" to preset positioning data that matches the input characteristic). Cowelchuk does not explicitly disclose determining, based at least partially on the rules, whether a match exists between the received information and the matching information corresponding to user profile data; and indicating, when the match exists, that the received information qualifies as user profile data. However it would be necessary that the system would need to match up the received parameter inputs to a corresponding profile memory area for storing settings related to each vehicle parameter (Paragraphs [0015] and [0030]; the vehicle settings that can be stored and customized include mirror and seat positions, audio data, voice matching and temperature controls among others). Further Cowelchuk does disclose playing a sound which is assigned to the various customized parameters and therefore a sound can indicate a customized parameter has been set/matched to the profile data (Paragraph [0036]; the user can select and assign a audio sound to each of the various customizable parameters). Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to include determining, based at least partially on the rules, whether a match exists between the received information and the matching information corresponding to user profile data; and indicating, when the match exists, that the received information qualifies as user profile data in the invention of Cowelchuk, so the system can provide feedback to a driver or user that an action of operating a control is being carried out (Cowelchuk; Paragraph [0002]).

Claims 1-15 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

From the INTERNATIONAL SEARCHING AUTHORITY

To: JASON H. VICK
SHERIDAN ROSS P.C.
1560 BROADWAY, SUITE 1200
DENVER, CO 80202

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing
(day/month/year)

25 AUG 2014

Applicant's or agent's file reference
6583-544-PCT

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.
PCT/US2014/034099

International filing date
(day/month/year) **15 April 2014**

Applicant **FLEXTRONICS AP, LLC**

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

How? Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.
- ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45bis.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300
Telephone No. PCT OSP: 571-272-7774

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6583-544-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2014/034099	International filing date (<i>day/month/year</i>) 15 April 2014	(Earliest) Priority Date (<i>day/month/year</i>) 15 April 2013
Applicant FLEXTRONICS AP, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed.
☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 20
☒ as suggested by the applicant.
☐ as selected by this Authority, because the applicant failed to suggest a figure.
☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2014/034099

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B60N 2/02 (2014.01)

USPC - 701/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - B60N 2/02 (2014.01)

USPC - 700/17; 701/36, 49

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - B60N 2/0248, 2/0296 (2014.02)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase, Google Patents, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X		

Y	US 2009/0284359 A1 (HUANG et al) 19 November 2009 (19.11.2009) entire document	1-4,6,7,11,12,14,15
		5,8-10,13
Y	US 2005/0283284 A1 (GRENIER et al) 22 December 2005 (22.12.2005) entire document	5,8,13
Y	US 2010/0222939 A1 (NAMBURU et al) 02 September 2010 (02.09.2010) entire document	9,10,13
A	US 2003/0204290 A1 (SADLER et al) 30 October 2003 (30.10.2003) entire document	1-15
A	US 2011/0093438 A1 (POULSEN) 21 April 2011 (21.04.2011) entire document	1-15

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

02 August 2014

Date of mailing of the international search report

25 AUG 2014

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
 P.O. Box 1450, Alexandria, Virginia 22313-1450
 Facsimile No. 571-273-3201

Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: JASON H. VICK
SHERIDAN ROSS P.C.
1560 BROADWAY, SUITE 1200
DENVER, CO 80202

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

25 AUG 2014

Applicant's or agent's file reference
6583-544-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/US2014/034099

International filing date (day/month/year)

15 April 2014

Priority date (day/month/year)

15 April 2013

International Patent Classification (IPC) or both national classification and IPC

IPC(8) - B60N 2/02 (2014.01)

USPC - 701/36

Applicant FLEXTRONICS AP, LLC

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of completion of this opinion

02 August 2014

Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US2014/034099

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed.
 - ☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
 - ☐ on paper
 - ☐ in electronic form
 - b. (time)
 - ☐ in the international application as filed
 - ☐ together with the international application in electronic form
 - ☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

Form PCT/ISA/237 (Box No. I) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/034099

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. Statement				
Novelty (N)	Claims	4-6,8-10,13	YES	
	Claims	1-3,7,11,12,14,15	NO	
Inventive step (IS)	Claims	None	YES	
	Claims	1-15	NO	
Industrial applicability (IA)	Claims	1-15	YES	
	Claims	None	NO	
2. Citations and explanations:				
<p>Claims 1-3,7,11,12,14,15 lack novelty under PCT Article 33(2) as being anticipated by Huang et al., hereinafter referred to as Huang.</p> <p>Regarding claims 1,11, Huang teaches a system [claim 1] and a method [claim 11] to access one or more user profiles that govern one or more vehicle functions (system and method for identifying a person as an authorized driver of a vehicle, [abstract]; list of drivers authorized to drive the vehicle, [0034]; list of driver profiles, [0007]) comprising: a processor and verification module (HVI 14 includes a processing unit that processes signals from the controller 10 and signals provided by a driver intending to enter or drive the vehicle, [0022]) adapted to verify, using one or more of biometric information, gesture recognition, facial recognition and device identification information, that a user has authority to access the one or more user profiles, the one or more profiles being stored in one or more of a vehicle, a cloud and a communications device (the driver reselection page can provide the driver with an option to select a new driver from a list of drivers authorized to drive the vehicle wherein the HVI 14 provides the driver with an option to validate the selection of the driver using an identification code input wherein the identification code can be in the form of biometric characteristic recognition, [0034]); and an edit module adapted to allow the user to make one or more edits to the one or more user profiles (the driver profile identified by the driver ID controller 10 is updated with the changed set of attributes, i.e. the stored set of attributes is replaced by the changed set of attributes, [0046]).</p> <p>Regarding claims 14,15, Huang teaches a system [claim 14] and a non-transitory computer readable information storage media, having stored thereon instructions [claim 15] to access one or more user profiles that govern one or more vehicle functions (system and method for identifying a person as an authorized driver of a vehicle, [abstract]; list of drivers authorized to drive the vehicle, [0034]; list of driver profiles, [0007]); HVI 14 includes a processing unit that processes signals from the controller 10 and signals provided by a driver intending to enter or drive the vehicle, [0022]) comprising: means for verifying, using a processor, one or more of biometric information, gesture recognition, facial recognition and device identification information, that a user has authority to access the one or more user profiles, the one or more profiles being stored in one or more of a vehicle, a cloud and a communications device (the driver reselection page can provide the driver with an option to select a new driver from a list of drivers authorized to drive the vehicle wherein the HVI 14 provides the driver with an option to validate the selection of the driver using an identification code input wherein the identification code can be in the form of biometric characteristic recognition, [0034]); and means for allowing the user to make one or more edits to the one or more user profiles (the driver profile identified by the driver ID controller 10 is updated with the changed set of attributes, i.e. the stored set of attributes is replaced by the changed set of attributes, [0046]).</p> <p>Regarding claims 2,12, Huang teaches one or more templates on which the one or more user profiles are based (the HVI 14 provides the set of predefined fields to the driver ID controller 10, [0040]; the driver ID controller 10 creates a temporary driver profile to temporarily store the changed set of attributes, [0043]; the driver ID controller 10 also retrieves a driver ID corresponding to a last-known authorized driver or one default authorized driver of the vehicle or a "guest" driver with default settings, [0030]).</p> <p>Regarding claim 3, Huang teaches the verification module further receives a request to access a specific user profile, the user profile storing preferences for the user that govern one or more of vehicle functions, vehicle preferences and vehicle infotainment settings (the LCM 18 retrieves a set of attributes stored for the corresponding driver ID and the LCM 18 adjusts the corresponding components of the vehicle according to the set of attributes retrieved, [0036]; Each LCM 18 controls an associated component of the vehicle, such as door locks 20, rear-view mirrors 22, a driving seat 24, a hand wheel 26, a radio 28 and a climate control system 30, [0022]).</p> <p>Regarding claim 7, Huang teaches the one or more user profiles include one or more of: vehicle preferences, seat settings, HVAC settings, recorded settings, geographic location information, mobile device information, mobile device electronic addresses, Internet browsing history and content, application store selections, user settings, enabled features, disabled features, private information, social network information, user presence information, user business account information, secure data, biometric information, audio information from on board microphones, video information from on board cameras, Internet browsing history and browsed content from using an on board computer, local area network settings, electronic map information, user purchasing preferences, user driving behavior and preferences, user behavior with respect to a selected object, user socioeconomic status, user residence and business addresses, user communication devices and electronic addresses therefor, user biometric information and other user identification information, user family members and, for each family member, the foregoing information (Each LCM 18 controls an associated component of the vehicle, such as door locks 20, rear-view mirrors 22, a driving seat 24, a hand wheel 26, a radio 28 and a climate control system 30, [0022]).</p>				

Form PCT/ISA/237 (Box No. V) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US2014/034099

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Claims 4,6 lack an inventive step under PCT Article 33(3) as being obvious over Huang.

Regarding claims 4,6, Huang does not disclose an encryption module adapted to perform authentication of the user [claim 4] wherein the one or more user profiles are at least partially encrypted [claim 6]. However, it is extremely well known to perform encryption during user authentication. It would have been obvious to one of ordinary skill in the art at the time of the invention to encrypt a user profile and use an encryption module to authenticate a user since the provision of adjustability, where needed, is a matter of routine skill in the art and in order to ensure the security of a vehicle is not compromised.

Claims 5,8 lack an inventive step under PCT Article 33(3) as being obvious over Huang in view of Grenier et al., hereinafter referred to as Grenier.

Regarding claim 5, Huang does not disclose a profile subsystem adapted to resolve conflicts between the one or more edits and the one or more user profiles. However, Grenier is in the field of managing a fleet of vehicles and user profiles ([abstract]) and further teaches a profile subsystem adapted to resolve conflicts between one or more edits and one or more user profiles (Conflict resolution data assists the system 100 manage technological as well as operational conflicts between different services 106 and devices 104, [0056-0057]; [0079]). It would have been obvious to one of ordinary skill in the art at the time of the invention to provide conflict resolution services as taught by Grenier in the invention of Huang in order to ensure two services which require the use of the same device do not overlap (Grenier, [0079]).

Regarding claim 8, Huang teaches at least one of the one or more user templates (the HVI 14 provides the set of predefined fields to the driver ID controller 10, [0040]; the driver ID controller 10 creates a temporary driver profile to temporarily store the changed set of attributes, [0043]; the driver ID controller 10 also retrieves a driver ID corresponding to a last-known authorized driver or one default authorized driver of the vehicle or a "guest" driver with default settings, [0030]), but does not explicitly teach the template is based on a global standard template, wherein the global standard template is common among one or more of vehicle manufacturers, company vehicles and a geographic area. However, Grenier does disclose services for a vehicle or fleet of vehicles can be ordered, renewed, modified, managed, configured, and/or cancelled through a common interface ([abstract]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide a global standard template common to company vehicles in order to allow a fleet of vehicles to be managed (Grenier, [abstract]).

Claims 9,10 lack an inventive step under PCT Article 33(3) as being obvious over Huang in view of Namburu et al., hereinafter referred to as Namburu.

Regarding claims 9,10, Huang teaches device-to-car transfer (transceiver 12 receives an entry signal from an entry device associated with the vehicle, such as a key fob, an RFID device, etc., and sends the received signal to the driver ID controller 10 for identification, [0022]; local controller 36, in turn, reports to the driver ID controller 10 via the BCM 16 through a communications network 34 wherein the controller 10 stores the driver ID and setting information in a table, where each set of attributes corresponds to an authorized driver of the vehicle, [0025]), but does not disclose the one or more user profiles can be transferred from one or more of car-to-car, device-to-car, car-to-device, car-to-cloud, and cloud-to-car [claim 9] wherein the device is a mobile communications device [claim 10]. However, Namburu is in the field of managing a vehicle ([abstract]) and further teaches one or more user profiles can be transferred from one or more of car-to-car, device-to-car, car-to-device, car-to-cloud, and cloud-to-car wherein the device is a mobile communications device (in addition to the ID code, the remote device may transmit user profile data to the vehicle, [0031]). It would have been obvious to one of ordinary skill in the art at the time of the invention to perform device-to-car transfer as taught by Namburu in the invention of Huang in order to allow a user to transfer profile information to multiple vehicles.

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US2014/034099

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Claim 13 lacks an inventive step under PCT Article 33(3) as being obvious over Huang in view of Grenier and further in view of Namburu.

Regarding claim 13, modified Huang teaches the one or more user profiles are at least partially encrypted, as per above discussion, and Huang further teaches receiving a request to access a specific user profile (the driver reselection page can provide the driver with an option to select a new driver from a list of drivers authorized to drive the vehicle wherein the HVI 14 provides the driver with an option to validate the selection of the driver using an identification code input wherein the identification code can be in the form of biometric characteristic recognition, [0034]), the user profile storing preferences for the user that govern one or more of vehicle functions, vehicle preferences and vehicle infotainment settings (the LCM 18 retrieves a set of attributes stored for the corresponding driver ID and the LCM 18 adjusts the corresponding components of the vehicle according to the set of attributes retrieved, [0036]; Each LCM 18 controls an associated component of the vehicle, such as door locks 20, rear-view mirrors 22, a driving seat 24, a hand wheel 26, a radio 28 and a climate control system 30, [0022]), performing authentication of the user (the driver reselection page can provide the driver with an option to select a new driver from a list of drivers authorized to drive the vehicle wherein the HVI 14 provides the driver with an option to validate the selection of the driver using an identification code input wherein the identification code can be in the form of biometric characteristic recognition, [0034]), wherein the one or more user profiles include one or more of: vehicle preferences, seat settings, HVAC settings, recorded settings, geographic location information, mobile device information, mobile device electronic addresses, Internet browsing history and content, application store selections, user settings, enabled features, disabled features, private information, social network information, user presence information, user business account information, secure data, biometric information, audio information from on board microphones, video information from on board cameras, Internet browsing history and browsed content from using an on board computer, local area network settings, electronic map information, user purchasing preferences, user driving behavior and preferences, user behavior with respect to a selected object, user socioeconomic status, user residence and business addresses, user communication devices and electronic addresses therefor, user biometric information and other user identification information, user family members and, for each family member, the foregoing information (Each LCM 18 controls an associated component of the vehicle, such as door locks 20, rear-view mirrors 22, a driving seat 24, a hand wheel 26, a radio 28 and a climate control system 30, [0022]), but does not disclose resolving conflicts between the one or more edits and the one or more user profiles wherein in at least one of the one or more user templates is based on a global standard template, wherein the global standard template is common among one or more of vehicle manufacturers, company vehicles and a geographic area, wherein the one or more user profiles can be transferred from one or more of car-to-car, device-to-car, car-to-device, car-to-cloud, and cloud-to-car, and/or wherein the device is a mobile communications device. However, Grenier is in the field of managing a fleet of vehicles and user profiles ([abstract]) and further teaches a profile subsystem adapted to resolve conflicts between one or more edits and one or more user profiles (Conflict resolution data assists the system 100 manage technological as well as operational conflicts between different services 106 and devices 104, [0056-0057]; [0079]). It would have been obvious to one of ordinary skill in the art at the time of the invention to provide conflict resolution services as taught by Grenier in the invention of Huang in order to ensure two services which require the use of the same device do not overlap (Grenier, [0079]). Modified Huang still does not disclose at least one of the one or more user templates is based on a global standard template, wherein the global standard template is common among one or more of vehicle manufacturers, company vehicles and a geographic area, wherein the one or more user profiles can be transferred from one or more of car-to-car, device-to-car, car-to-device, car-to-cloud, and cloud-to-car, and/or wherein the device is a mobile communications device. However, Namburu is in the field of managing a vehicle ([abstract]) and further teaches one or more user profiles can be transferred from one or more of car-to-car, device-to-car, car-to-device, car-to-cloud, and cloud-to-car, and/or wherein the device is a mobile communications device (in addition to the ID code, the remote device may transmit user profile data to the vehicle, [0031]). It would have been obvious to one of ordinary skill in the art at the time of the invention to perform device-to-car transfer as taught by Namburu in the invention of Huang in order to allow a user to transfer profile information to multiple vehicles. Modified Huang still does not disclose at least one of the one or more user templates is based on a global standard template, wherein the global standard template is common among one or more of vehicle manufacturers, company vehicles and a geographic area. However, Grenier does disclose services for a vehicle or fleet of vehicles can be ordered, renewed, modified, managed, configured, and/or cancelled through a common interface ([abstract]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide a global standard template common to company vehicles in order to allow a fleet of vehicles to be managed (Grenier, [abstract]).

Claims 1-15 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

From the INTERNATIONAL SEARCHING AUTHORITY

To: THAINE LENNOX-GENTLE
SHERIDAN ROSS P.C.
1560 BROADWAY, SUITE 1200
DENVER, CO 80202

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year) 22 AUG 2014	
Applicant's or agent's file reference 6583-547-PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US2014/034087	International filing date (day/month/year) 15 April 2014
Applicant FLEXTRONICS AP, LLC	

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

How? Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.
- ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45bis.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/ Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 Telephone No. PCT OSP: 571-272-7774
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Form PCT/ISA/220 (July 2014)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6583-547-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2014/034087	International filing date (day/month/year) 15 April 2014	(Earliest) Priority Date (day/month/year) 15 April 2013
Applicant FLEXTRONICS AP, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed.
☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (see Box No. II).

3. ☐ Unity of invention is lacking (see Box No. III).

4. With regard to the title,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 20
☒ as suggested by the applicant.
☐ as selected by this Authority, because the applicant failed to suggest a figure:
☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2014/034087

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - B06R 25/25 (2014.01) USPC - 340/5.82 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC(8) - B60R 25/00; 25/20; 25/25; 25/31 (2014.01) USPC - 180/287; 307/10.2; 340/5.82 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched CPC - B60R 25/241; 25/252; 25/255; 25/257 (2014.02) Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Orbit, Google Patents, Google Scholar, Google		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/0217850 A1 (PERTTUNEN et al) 04 NOVEMBER 2004 (04.11.2004) entire document	1-6, 9-13 and 15
.....		7, 8 and 14
Y	US 2006/0036358 A1 (HALE et al) 16 FEBRUARY 2006 (16.02.2006) entire document	7, 8 and 14
A	US 4,754,255 (SANDERS et al) 28 JUNE 1988 (28.06.1988) entire document	1-15
☐ Further documents are listed in the continuation of Box C. ☐		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 01 AUG 2014		Date of mailing of the international search report 22 AUG 2014
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: THAINE LENNOX-GENTLE
SHERIDAN ROSS P.C.
1560 BROADWAY, SUITE 1200
DENVER, CO 80202

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

22 AUG 2014

Applicant's or agent's file reference
6583-547-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/US2014/034087

International filing date (day/month/year)

15 April 2014

Priority date (day/month/year)

15 April 2013

International Patent Classification (IPC) or both national classification and IPC

IPC(8) - B60R 25/25 (2014.01)

USPC - 340/5.82

Applicant FLEXTRONICS AP, LLC

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of completion of this opinion

01 AUG 2014

Authorized officer:

Blaine R. Copenhaver

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US2014/034087

Box No. 1	Basis of this opinion
<p>1. With regard to the language, this opinion has been established on the basis of:</p> <p>☒ the international application in the language in which it was filed.</p> <p>☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).</p> <p>2. ☐ This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))</p> <p>3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:</p> <p style="margin-left: 20px;">a. (means)</p> <p style="margin-left: 40px;">☐ on paper</p> <p style="margin-left: 40px;">☐ in electronic form</p> <p style="margin-left: 20px;">b. (time)</p> <p style="margin-left: 40px;">☐ in the international application as filed</p> <p style="margin-left: 40px;">☐ together with the international application in electronic form</p> <p style="margin-left: 40px;">☐ subsequently to this Authority for the purposes of search</p> <p>4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.</p> <p>5. Additional comments:</p>	

Form PCT/ISA/237 (Box No. 1) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/034087

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	7, 8 and 14	YES
	Claims	1-6, 9-13 and 15	NO
Inventive step (IS)	Claims	NONE	YES
	Claims	1-15	NO
Industrial applicability (IA)	Claims	1-15	YES
	Claims	NONE	NO

2. Citations and explanations:

Claims 1-6, 9-13 and 15 lack novelty under PCT Article 33(2) as being anticipated by Perttunen et al (US 2004/0217850 A1), hereinafter, "Perttunen".

Regarding claims 1 and 9, Perttunen discloses a method (Fig 2A and 2B method) and a non-transitory computer readable medium having instructions stored thereon that (Fig 1 #22 controller), when executed by a processor, perform a method comprising:
detecting a presence of at least one user in a vehicle ([0015] detecting the presence of the user 13; Fig 2A #106);
determining an identity of the at least one user ([0015] stage two unlocks the doors if the user is authorized to enter the vehicle);
receiving data associated with the at least one user, wherein the data includes biometric information ([0024] checks for a match between the biometric characteristic detected by the sensor 18);
detecting a deviation between the received data and an established baseline biometric profile associated with the at least one user; ([0024] checks for a match between the biometric characteristic detected by the sensor 18 and that of an authorized user stored... if there is no match between the detected biometric characteristic and the stored value);
and determining, based at least partially on the detected deviation, to provide an output configured to address the deviation ([0024] then the controller 22 disables all features of the vehicle 20).

Regarding claims 2 and 10, Perttunen further discloses, wherein prior to receiving data associated with the at least one user the method further comprises: determining the baseline biometric profile associated with the at least one user ([0024] checks for a match between the biometric characteristic detected by the sensor 18 and that of an authorized user stored); and storing the determined baseline biometric profile in a user profile memory associated with the at least one user ([0024] that of an authorized user stored, for example, in the memory of the controller 22).

Regarding claims 3 and 11, Perttunen further discloses, wherein determining the presence of the at least one user inside the vehicle further comprises: detecting a person via at least one image sensor associated with the vehicle ([0016] the biometric sensor 18 can be one or more of a number of different types of sensors. For example, the biometric sensor 18 may be a voice recognition sensor, a fingerprint identification sensor, or a sensor for iris identification, retina scanning, handprint, lightprint, or face recognition).

Regarding claims 4 and 12, Perttunen further discloses, wherein determining the identity of the at least one user further comprises: identifying facial features associated with the person detected via the at least one image sensor ([0016] the biometric sensor 18 can be one or more of a number of different types of sensors. For example, the biometric sensor 18 may be...face recognition); and determining whether the identified facial features associated with the person match user characteristics stored in a memory ([0024] checks for a match between the biometric characteristic detected by the sensor 18 and that of an authorized user stored in the memory of the controller 22).

Regarding claims 5 and 13, Perttunen further discloses, wherein the output configured to address the deviation is provided by the vehicle, and wherein addressing the deviation includes adjusting one or more settings associated with the vehicle ([0024] then the controller 22 disables all features of the vehicle 20 [disable is adjustment]).

Regarding claim 6, Perttunen further discloses, wherein the one or more settings include at least one of a vehicle interior environment, temperature, air composition, oxygen level, sound level, window position, seat position, and lighting level ([0022] For example, the desired function may be the operation of certain comfort features, such as the seat settings, the climate control).

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/034087

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Regarding claim 15, Perttunen discloses a vehicle control system ([0013] multistage vehicle security system), comprising: a profile identification module contained in a memory and executed by a processor of the vehicle control system ([0024] memory of the controller 22), the profile identification module configured to detect a presence of at least one user in a vehicle ([0015] detecting the presence of the user 13; Fig 2A #106), determine an identity of the at least one user ([0015] stage two unlocks the doors if the user is authorized to enter the vehicle), receive data associated with the at least one user, wherein the data includes biometric information ([0024] checks for a match between the biometric characteristic detected by the sensor 18), detect a deviation between the received data and an established baseline biometric profile associated with the at least one user ([0024] checks for a match between the biometric characteristic detected by the sensor 18 and that of an authorized user stored... if there is no match between the detected biometric characteristic and the stored value), and determine, based at least partially on the detected deviation, to provide an output configured to address the deviation ([0024] then the controller 22 disables all features of the vehicle 20), and wherein prior to receiving data associated with the at least one user the profile identification module is further configured to determine the baseline biometric profile associated with the at least one user ([0024] biometric characteristic detected by the sensor 18 and that of an authorized user stored), and store the determined baseline biometric profile in a user profile memory associated with the at least one user ([0024] that of an authorized user stored, for example, in the memory of the controller 22).

Claims 7, 8 and 14 lack an inventive step under PCT Article 33(3) as being obvious over Perttunen, in view of, Hale et al (US 2006/0036358 A1), hereinafter, "Hale".

Regarding claims 7 and 14, Perttunen does not explicitly disclose: detecting a vehicle incident via one or more sensors associated with the vehicle; collecting, based at least partially on the detected vehicle incident, the data associated with the at least one user; and sending the established baseline biometric profile and collected data associated with the at least one user to a third party.

However Perttunen teaches detecting a vehicle incident via one or more sensors associated with the vehicle ([0024] checks for a match between the biometric characteristic detected by the sensor 18); collecting, based at least partially on the detected vehicle incident, the data associated with the at least one user ([0024] checks for a match between the biometric characteristic detected by the sensor 18 and that of an authorized user stored); and sending the established baseline biometric profile and collected data associated with the at least one user to the controller ([0024] If the controller 22 determines that there is a match, the process 100 enables all high level operational features of the vehicle 20).

Hale et al is also in the field of vehicle control systems ([0003] systems, devices, and methods for inhibiting potential impaired operators and unauthorized persons from operating a motor vehicle) and discloses detecting a vehicle incident via one or more sensors associated with the vehicle ([0060] system 110 is designed to biometrically identify the operator through fingerprint, thumbprint, iris, voice or any other form of biometric recognition; [0064] and the selected vehicle function devices be energized in the predetermined sequence, but the sequence must be performed within a predetermined time period as well); collecting, based at least partially on the detected vehicle incident, the data associated with the at least one user ([0067] After the operator as has been identified, the time frame for the operator to complete the sequence of vehicle inputs is controlled by microcontroller 34. The timing is calculated by microcontroller 34 using the average time of the last five successful starts by that individuals); and sending the established baseline biometric profile and collected data associated with the at least one user to a third party ([0075] Such operator data can be stored and/or downloaded to another computer via connection ports for a variety of uses. For example, if the disclosed system were used as part of a law enforcement program, compliance with a court order could be readily monitored).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate sending the data to a third party, as taught in Hale, within the invention of Perttunen because it adds robustness to the system.

Regarding claim 8, Perttunen does not explicitly disclose, wherein the data associated with the at least one user is received at a first data rate in the absence of a detected vehicle incident and collected at a higher second data rate upon detecting the vehicle incident.

However Perttunen teaches data associated with the at least one user being received ([0024] checks for a match between the biometric characteristic detected by the sensor 18 and that of an authorized user stored).

Hale discloses wherein the data associated with the at least one user is received at a first data rate in the absence of a detected vehicle incident (the time frame for the operator to complete the sequence of vehicle inputs is controlled by microcontroller 34. The timing is calculated by microcontroller 34 using the average time of the last five successful starts by that individuals); and collected at a higher second data-rate upon detecting the vehicle incident ([0069] If the timer mechanism times out before the potential operator performs the proper vehicle functions in sequence; [0064] thus, an impaired potential operator, who knows the proper sequence, may be inhibited from starting the motor vehicle due to the presence of timer mechanism within microcontroller 34. A potential operator, whose motor skills are diminished due to excessive alcohol consumption, or drug use, or lack of sleep, or onset of dementia may not be able to properly perform the function sequence within the predetermined time period).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate data, as taught in Hale, within the invention of Perttunen because it adds robustness to the system.

Claims 1-15 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: Tadd F. Wilson
 Sheridan Ross, P.C.
 1560 Broadway, Suite 1200
 Denver, CO 80202
 United States of America

PCT

NOTIFICATION OF TRANSMITTAL OF
 THE INTERNATIONAL SEARCH REPORT AND
 THE WRITTEN OPINION OF THE INTERNATIONAL
 SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing
 (day/month/year)

15 SEP 2014

Applicant's or agent's file reference

6583-550-PCT

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.

PCT/US14/34232

International filing date
 (day/month/year)

15 April 2014 (15.04.2014)

Applicant

FLEXTRONICS AP, LLC

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

How? Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes
 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90*bis*.1 and 90*bis*.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45*bis*.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/
 Mail Stop PCT, Attn: ISA/US
 Commissioner for Patents
 P.O. Box 1450, Alexandria, Virginia 22313-1450
 Facsimile No. 571-273-3201

Authorized officer

Shane Thomas

PCT Helpdesk: 571-272-4300
 Telephone No. PCT OSP: 571-272-7774

Form PCT/ISA/220 (July 2014)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6583-550-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US14/34232	International filing date (<i>day/month/year</i>) 15 April 2014 (15.04.2014)	(Earliest) Priority Date (<i>day/month/year</i>) 15 April 2013 (15.04.2013)
Applicant FLEXTRONICS AP, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed.
☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

- ☐ the text is approved as submitted by the applicant.
☒ the text has been established by this Authority to read as follows:

ALTERED MAP ROUTES BASED ON USER PROFILE INFORMATION

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 20
☒ as suggested by the applicant.
☐ as selected by this Authority, because the applicant failed to suggest a figure.
☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US14/34232

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01C 21/34; B60W 40/08; G06K 9/62 (2014.01)

CPC - G08G 1/09, 1/143; B60W 40/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) Classification(s): G01C 21/34; B60W 40/08; G06N 3/08; B60W 40/08; G06K 9/62 (2014.01)

CPC Classification(s): G08G 1/09, 1/143; G06Q 30/0265; G06N 5/02; B60W 40/09; B60T 2220/02; G06K 9/00818

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C, B, DE-A, DE-T, DE-U, GB-A, FR-A); ProQuest; IEEE/IEEExplore; Google/Google Scholar; KEYWORDS: pattern, route, context, plan, behavior, track

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- Y	US 2008/0104227 A1 (BIRNIE, P et al.) 01 May 2008; Figures 1-5, 10, 12, 13; Paragraphs [0036], [0065], [0076], [0077], [0089], [0105], [0108], [0115], [0132], [0139], [0140], [0162].	1-7, 11-14, 16-19 ----- 8-10, 15, 20
Y	US 2013/0079964 A1 (SUKKARIE, A et al.) 28 March 2013; Abstract; Paragraph [0125].	8-10, 15, 20
A	US 2009/0157312 A1 (BLACK, N et al.) 18 June 2009; entire document.	1-20

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 6 August 2014 (06.08.2014)	Date of mailing of the international search report 15 SEP 2014
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Shane Thomas PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: Tadd F. Wilson
Sheridan Ross, P.C.
1560 Broadway, Suite 1200
Denver, CO 80202
United States of America

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

15 SEP 2014

Applicant's or agent's file reference
6583-550-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.
PCT/US14/34232

International filing date (day/month/year)
15 April 2014 (15.04.2014)

Priority date (day/month/year)
15 April 2013 (15.04.2013)

International Patent Classification (IPC) or both national classification and IPC
IPC(8) - G01C 21/34; B60W 40/08; G06K 9/62 (2014.01)
CPC - G08G1/09; G08G1/143; B60W40/09

Applicant FLEXTRONICS AP, LLC

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of completion of this opinion
6 August 2014 (06.08.2014)

Authorized officer:
Shane Thomas

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34232

Box No. I	Basis of this opinion
<p>1. With regard to the language, this opinion has been established on the basis of:</p> <p>☒ the international application in the language in which it was filed.</p> <p>☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).</p> <p>2. ☐ This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))</p> <p>3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:</p> <p style="margin-left: 20px;">a. (means)</p> <p style="margin-left: 40px;">☐ on paper</p> <p style="margin-left: 40px;">☐ in electronic form</p> <p style="margin-left: 20px;">b. (time)</p> <p style="margin-left: 40px;">☐ in the international application as filed</p> <p style="margin-left: 40px;">☐ together with the international application in electronic form</p> <p style="margin-left: 40px;">☐ subsequently to this Authority for the purposes of search</p> <p>4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.</p> <p>5. Additional comments:</p>	

Form PCT/ISA/237 (Box No. I) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34232

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	8-10, 15, 20	YES
	Claims	1-7, 11-14, 16-19	NO
Inventive step (IS)	Claims	NONE	YES
	Claims	1-20	NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims	NONE	NO

2. Citations and explanations:

Claims 1-7, 11-14, and 16-19 lack novelty under PCT Article 33(2) as being anticipated by US 2008/0104227 A1 to BIRNIE et al. (hereinafter 'Birnie').

As per claim 1, Birnie discloses a method for providing navigation information for a conveyance (providing location information over a social network and determining a route to provide to a client device; Abstract), comprising: a vehicle control system, including a processor, receiving route information for two or more routes (central processing unit 312 (processor), a route mapper module, RM 357, provides route information from a given start and end location takes into account intermediate locations (two or more routes); Figure 3; paragraphs [0065], [0105]); the vehicle control system determining the context associated with route information (RM 357 requests from a location information service, LIS 354, location descriptions such as location names for determining a location of interest (context); Figures 3, 10; paragraphs [0036], [0105]); the vehicle control system storing the route information and the context (the networked client device receives and stores data in mass memory 230, including location information, route data and social networking data of the user account used as context; Figure 2; paragraphs [0077], [0139]); the vehicle control system identifying a pattern associated with the route information and context (searches and filters results to determine relevancy corresponding to the representation (pattern) of start and end locations as GPS coordinates and retrieved location name; Figures 4, 12; paragraph [0115]); and the vehicle control system providing pattern information to plan a next route (based in part on patterns identified in the social networks, a route is provided (for next route) at step 512 along with reviews, schedules, or sponsored messages; Figures 5, 13; paragraphs [0132], [0140]).

As per claim 11, Birnie discloses a conveyance comprising: a processor operable to execute one or more modules, the modules comprising: a route integration module operable to: receive route information for two or more routes (system distributed across a plurality of computing devices, includes a central processing unit 312 (processor) to execute a route mapper module, RM 357 (a route integration module), that accesses a street map from a data store and provides route information from a given start and end location through intermediate locations (two or more routes); Figure 3; paragraphs [0065], [0076]); determine the context associated with route information (RM 357 requests from a location information service, LIS 354, location descriptions such as location names for determining a location of interest (determine the context associated with route information); Figures 3, 10; paragraphs [0036], [0105]); store the route information and the context (the networked client device receives and stores data in mass memory 230, including location information, route data and social networking data of the user account used as context; Figure 2; paragraphs [0077], [0139]); a pattern recognition module operable to identify a pattern associated with the route information and context (GSS 106 (a pattern recognition module) searches and filters results to determine relevancy (pattern) corresponding to the representation of start and end locations as GPS coordinates and retrieved location name; Figures 1, 4; paragraphs [0108], [0115]); and a route suggestion module operable to provide a next route based on pattern information (based in part on patterns identified in the social networks, a (next) route is provided in process 500 implemented within GSS 106 (a route suggestion module) along with reviews, schedules, or sponsored messages; Figures 5, 13; paragraphs [0132], [0140]).

As per claim 16, Birnie discloses a non-transitory computer readable medium stored on a storage medium and having instructions that when executed by a processor cause the processor to perform a method (non-volatile computer-readable storage media as mass memory storing computer readable instructions provided to a processor to implement actions (instructions); paragraphs [0089], [0162]), the instructions comprising: instructions to receive route information for two or more routes (the module implementation RM 357, accesses a street map from a data store and provides route information from a given start and end location through intermediate locations (instructions to receive route information for two or more routes); Figure 3; paragraphs [0065], [0076]); instructions to determine the context associated with route information (RM 357 requests from a location information service, LIS 354, location descriptions such as location names for determining a location of interest (to determine the context associated with route information); Figures 3, 10; paragraphs [0036], [0105]); instructions to store the route information and the context (the networked client device is configured to receive and store data in mass memory 230, including location information, route data and social networking data of the user account used as context; Figure 2; paragraphs [0077], [0139]); instructions to identify a pattern associated with the route information and context (GSS 106 searches and filters results to determine relevancy (pattern) corresponding to the representation of start and end locations as GPS coordinates and retrieved location name; Figures 1, 4; paragraphs [0108], [0115]); and instructions to provide a next route based on pattern information (based in part on patterns identified in the social networks, a (next) route is provided in process 500 implemented within GSS 106, along with reviews, schedules, or sponsored messages; Figures 5, 13; paragraphs [0132], [0140]).

As per claim 2, Birnie discloses the method of claim 1. Birnie additionally discloses, wherein the route information includes at least an origin location and a destination (the received information includes a start and end location at step 502 (the route information includes at least an origin location and a destination); Abstract; Figure 5).

----Continued Within the Next Supplemental Box----

Form PCT/ISA/237 (Box No. V) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34232

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

---Continued from Previous Supplemental Box---

As per claim 3, Birnie discloses the method of claim 2. Birnie additionally discloses, wherein at least one route was generated by a navigation system (the route is provided at step 512 of process 500 by the geo-location search server (at least one route was generated by a navigation system); Figure 5; paragraph [0132]).

As per claim 4, Birnie discloses the method of claim 3. Birnie additionally discloses, wherein the context includes information indicating a reason why a driver followed the route (the location of interest that provides context (the context includes information) indicates the user searched a location name or members of the user's community share the interest (indicating a reason why a driver followed the route); paragraphs [0036], [0134]).

As per claim 5, 13, and 18, Birnie discloses the method of claim 4, the conveyance of claim 12, and the computer readable medium of claim 17, respectively. Birnie additionally discloses, wherein two or more drivers in two or more conveyances provided the route information (members in a social network using client devices 102 and 103 to update location information as GPS coordinates while traveling on a route from A to B (two or more drivers in two or more conveyances provided the route information); Figures 1, 10; paragraphs [0140], [0141]).

As per claim 6, 14, and 19, Birnie discloses the method of claim 5, the conveyance of claim 13, and the computer readable medium of claim 18, respectively. Birnie additionally discloses, wherein the pattern information includes one or more of destinations arrived at certain time periods, routes driven on certain days, or often-traveled routes (the display 1200 of destinations is pushed to the client device based on input conditions (the pattern information) includes a time period (destinations arrived at certain time periods); Figure 12; paragraph [0197]).

As per claim 7, Birnie discloses the method of claim 6. Birnie discloses, wherein the pattern information is provided to a third driver to plan a route (the location information included in a search result record is provided to any member of the social network or third-party user who paid for the description to be included in the search results (the pattern information is provided to a third driver to plan a route); paragraph [0116]).

As per claim 12 and 17, Birnie discloses the conveyance of claim 11 and the computer readable medium of claim 16, respectively. Birnie additionally discloses, wherein the route information includes at least an origin location and a destination (the received information includes a start and end location at step 502 (the route information includes at least an origin location and a destination); Abstract; Figure 5), wherein at least one route was generated by a navigation system (the route is provided at step 512 of process 500 by the geo-location search server (at least one route was generated by a navigation system); Figure 5; paragraph [0132]), and wherein the context includes information indicating a reason why a driver followed the route wherein the context includes information indicating a reason why a driver followed the route (the location of interest that provides context (the context includes information) indicates the user searched a location name or members of the user's community share the interest (indicating a reason why a driver followed the route); paragraphs [0036], [0134]).

Claims 8-10, 15, and 20 lack an inventive step under PCT Article 33(3) as being obvious over Birnie in view of US 2013/0079964 A1 to SUKKARIE et al. (hereinafter 'Sukkarie').

As per claim 8, Birnie discloses the method of claim 7. Birnie does not disclose, wherein the third driver is unfamiliar with an area surrounding the planned route. Sukkarie discloses, wherein the third driver is unfamiliar with an area surrounding the planned route (a vehicle centric system on a planned route path in a communication network that utilizes specific user patterns and integrates with shared features to enable the driver previously unfamiliar with an area to take an efficient route (wherein the third driver is unfamiliar with an area surrounding the planned route); Abstract; paragraph [0125]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the method of Birnie with the teaching of Sukkarie, because by doing so, the method of Birnie would provide a communication network for the driver that integrates shared features and uses clustering analysis to provide interactive and adaptive routing.

As per claim 9, Birnie in combination with Sukkarie discloses the method of claim 8. Birnie additionally discloses, wherein the route information and context are stored remotely (member information travels between client devices over the network 145 and is stored in database tables (the route information and context are stored remotely); Figure 1; paragraphs [0148], [0159]).

As per claim 10, Birnie in combination with Sukkarie discloses the method of claim 9. Birnie additionally discloses, wherein the planned route is associated with information in a user profile of the third driver (the end location is determined based on the identity of the member of the social network such as by member interests or preferences (wherein the planned route is associated with information in a user profile of the third driver); paragraphs [0116], [0134]).

---Continued Within the Next Supplemental Box---

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34232

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

-***-Continued from Previous Supplemental Box-***-

As per claim 15 and 20, Birnie discloses the conveyance of claim 14 and the computer readable medium of claim 19, respectively. Birnie additionally discloses, wherein the pattern information is provided to a third driver to plan a route (the location information included in a search result record is provided to any member of the social network or third-party who paid for the description to be included in the search results (the pattern information is provided to a third driver to plan a route); paragraph [0116]). Birnie does not disclose, and wherein the third driver is unfamiliar with an area surrounding the planned route. Sukkarie discloses, and wherein the third driver is unfamiliar with an area surrounding the planned route (a vehicle centric system on a planned route path in a communication network that utilizes specific user patterns and integrates with shared features to enable the driver previously unfamiliar with an area to take an efficient route (and wherein the third driver is unfamiliar with an area surrounding the planned route); Abstract; paragraph [0125]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the conveyance of Birnie with the teaching of Sukkarie, because by doing so, the conveyance of Birnie would provide a communication network for the driver that integrates shared features and clustering analysis to provide interactive and adaptive routing.

Claims 1-20 have industrial applicability as defined by PCT Article 33(4) because the subject matter can be made or used in industry.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: Dean N. Reinhardt
 Sheridan Ross P.C.
 1560 Broadway, Suite 1200
 Denver, CO 80202
 United States of America

PCT

NOTIFICATION OF TRANSMITTAL OF
 THE INTERNATIONAL SEARCH REPORT AND
 THE WRITTEN OPINION OF THE INTERNATIONAL
 SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing
 (day/month/year)

15 SEP 2014

Applicant's or agent's file reference
 6583-556-PCT

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.
 PCT/US14/34098

International filing date
 (day/month/year) 15 April 2014 (15.04.2014)

Applicant
 Flextronics AP, LLC

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

How? Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes
 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.
- ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45bis.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/
 Mail Stop PCT, Attn: ISA/US
 Commissioner for Patents
 P.O. Box 1450, Alexandria, Virginia 22313-1450
 Facsimile No. 571-273-3201

Authorized officer

Shane Thomas

PCT Helpdesk: 571-272-4300
 Telephone No. PCT OSP: 571-272-7774

Form PCT/ISA/220 (July 2014)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6583-556-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US14/34098	International filing date (<i>day/month/year</i>) 15 April 2014 (15.04.2014)	(Earliest) Priority Date (<i>day/month/year</i>) 15 April 2013 (15.04.2013)
Applicant Flextronics AP, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

☒ the international application in the language in which it was filed.

☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 20A

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US14/34098

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G05B 15/02; G05D 23/19; G06F 15/177 (2014.01) CPC - H04L 12/2803, 12/2807, 12/2812 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC(8) Classification(s): G05B 15/02; G05D 23/19; G06F 15/177 (2014.01) CPC Classification(s): H04L 12/2803, 12/2807, 12/2812 ; USPC Classification(s): 700/19; 715/733, 744 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C,B, DE-A, DE-T, DE-U, GB-A, FR-A); Google; Google/Scholar; ProQuest; Keywords: vehicle*, car*, automo*, software*, *processor*, CPU, comput*, home*, residen*, server*, connect*, access*, home*, automation*, occupant*, person*, user*, driver*, passenger*, ident*, profil*, subscription*, registration*, credential*, authentication*, login		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- Y	US 2010/0289643 A1 (TRUNDLE SS et al.) November 18, 2010; figures 2, 6, 10, 12; paragraphs [0043], [0049], [0054], [0064], [0065], [0073], [0075], [0076], [0114], [0125], [0130], [0131], [0139]-[0141], [0148], [0149], [0154]	1-7, 9-15 ----- 8
X Y	US 2013/0083805 A1 (LU J et al.) April 4, 2013; paragraphs [0123]-[0125], [0165], [0205], [0232], [0233], [0241]-[0245] Meet Samsung's version of Apple AirPlay. CNET.com; October 10, 2012 [retrieved on 2014-08-14]; retrieved from the Internet: <URL: http://www.cnet.com/products/samsung-allshare-cast-hub-eadt10jdegsta/>	1, 4 8
P/X	US 2013/0231784 A1 (ROVIK CL et al.) September 5, 2013; entire document	1, 12
A	US 7,526,539 B1 (HSU G) April 28, 2009; entire document	1-15
A	US 2011/0309953 A1 (PETITE TD et al.) December 22, 2011; entire document	1-15
A	US 2010/0321151 A1 (MATSUURA C et al.) December 23, 2010; entire document	1-15
A	US 2010/0125387 A1 (PARK S et al.) May 20, 2010; entire document	1-15
A	US 2007/0192486 A1 (WILSON BB et al.) August 16, 2007; entire document	1-15
☐ Further documents are listed in the continuation of Box C. ☐		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 24 August 2014 (24.08.2014)		Date of mailing of the international search report 15 SEP 2014
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Shane Thomas PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: Dean N. Reinhardt
Sheridan Ross P.C.
1560 Broadway, Suite 1200
Denver, CO 80202
United States of America

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

15 SEP 2014

Applicant's or agent's file reference
6583-556-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/US14/34098

International filing date (day/month/year)

15 April 2014 (15.04.2014)

Priority date (day/month/year)

15 April 2013 (15.04.2013)

International Patent Classification (IPC) or both national classification and IPC

IPC(8) - G05B 15/02; G05D 23/19; G06F 15/177 (2014.01)

CPC - H04L 12/2803, 12/2807, 12/2812

Applicant

Flextronics AP, LLC

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☒ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of completion of this opinion

24 August 2014 (24.08.2014)

Authorized officer:

Shane Thomas

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US14/34098

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed.
 - ☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
 - ☐ on paper
 - ☐ in electronic form
 - b. (time)
 - ☐ in the international application as filed
 - ☐ together with the international application in electronic form
 - ☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

Form PCT/ISA/237 (Box No. I) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34098

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. Statement				
Novelty (N)	Claims	<u>6, 8, 11</u>	YES	
	Claims	<u>1-5, 7, 9, 10, 12-15</u>	NO	
Inventive step (IS)	Claims	<u>NONE</u>	YES	
	Claims	<u>1-15</u>	NO	
Industrial applicability (IA)	Claims	<u>1-15</u>	YES	
	Claims	<u>NONE</u>	NO	
2. Citations and explanations:				
<p>Claims 1-5, 7, 9-10, and 12-15 lack novelty under PCT Article 33(2) as being anticipated by US 2010/0289643 A1 (TRUNDLE).</p> <p>As per claim 1, Trundle discloses a method, comprising: receiving, by a microprocessor executable home automation module (monitoring application 242; paragraph [0075]), an identity (permission system based on user-specific passcodes, i.e., receiving an identity; paragraph [0075]) of at least one occupant (user; paragraph [0075]) of a vehicle (automobile (vehicle); paragraph [0139]); accessing, by the microprocessor executable home automation module (242), an account of the at least one vehicle occupant, the account defining at least one home location for the vehicle occupant (method includes monitoring a user (occupant) associated with monitored properties (home location), i.e., an account; paragraph [0011]); connecting, by the microprocessor executable home automation module (242), to a home automation system of one of the at least one home locations (mobile devices 240, i.e., having native monitoring application 242 thereon, communicate with control unit 210 (home automation system), at a monitored property (home location); figure 2; paragraphs [0055], [0062]); receiving, by the microprocessor executable home automation module (242), a state of features of the home automation system (enables users to monitor energy consuming appliances (i.e., monitoring the state of features; paragraph [0063]); retrieving, by the microprocessor executable home automation module (242), from the account of the at least one vehicle occupant, arrival settings for features of the home automation system (tracks mobile device's physical location for use to control settings (arrival settings) when user is going toward home; paragraph [0065]); generating, by the microprocessor executable home automation module (242), commands to implement the arrival settings (tracks mobile device's physical location for use to control (generating commands) settings (arrival settings) when user is going toward home; paragraph [0065]); and sending, by the microprocessor executable home automation module (242), the commands to the home automation system (mobile devices 240, i.e., having native monitoring application 242 thereon, communicate with (send commands to) control unit 210 (home automation system); figure 2; paragraphs [0055], [0062]).</p> <p>As per claim 2, Trundle discloses the method of claim 1, and further discloses wherein the microprocessor executable home automation module (242) sends a first set of commands to the home automation system at a first time (system maintains (first set of commands) appliances in an off state at a first time; figure 12; paragraph [0140]) and a second set of commands to the home automation system at a second time (system turns (second set of commands) the thermostat 1216 to an on state at a second time; figure 12; paragraph [0141]); and wherein the first time and the second time are determined by one of the account of the at least one occupant and the microprocessor executable home automation module (monitoring system determines the first and second time via monitoring application 242; paragraphs [0140], [0141]) based at least in part on the state of features of the home automation system (at first and second time, based on the geographic location of the user, the monitoring system controls the state of lighting device 1212, the oven 1214, and the thermostat 1216; paragraphs [0140], [0141]).</p> <p>As per claim 3, Trundle discloses the method of claim 2, and further discloses wherein the microprocessor executable home automation module (242) sends the first set of commands to the home automation system when the vehicle is a first distance from the home location (system maintains (first set of commands) appliances in an off state when user, i.e., in a vehicle, is at a first distance from the property 1210 (home location); figure 12; paragraph [0140]) wherein the microprocessor executable home automation module sends the second set of commands when the vehicle is a second distance from the home location (system turns (second set of commands) the thermostat 1216 to an on state when user, i.e., in a vehicle, is at a second distance from the property 1210 (home location); figure 12; paragraph [0140]); and wherein the first distance is greater than the second distance (second distance is closer to the property (home location); figure 12; paragraph [0141]).</p> <p>As per claim 4, Trundle discloses the method of claim 1, and further discloses wherein the settings comprise at least one of activating, deactivating, and changing a setting of at least one of an interior light, an exterior light, a security system, an interior entertainment system, an exterior entertainment system, a thermostat, and a door lock of the home automation system (user defined mode (settings) controls temperature (thermostat), light (interior and exterior light); paragraphs [0073], [0140], [0141]).</p> <p>****-Continued Within the Next Supplemental Box-****</p>				

Form PCT/ISA/237 (Box No. V) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34098

Box No. VI Certain documents cited**1. Certain published documents (Rules 43bis.1 and 70.10)**

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
US 2013/0231784 A1	05/09/2013	01/03/2012	01/03/2012

2. Non-written disclosures (Rules 43bis.1 and 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)
_____	_____	_____

Form PCT/ISA/237 (Box No. VI) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34098

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

-***-Continued from Previous Supplemental Box-***-

As per claim 5, Trundle discloses the method of claim 1, and further discloses wherein the at least one vehicle occupant comprises a first vehicle occupant (parent user; paragraph [0076]) and a second vehicle occupant (child user; paragraph [0076]), and further comprising: determining, by the microprocessor executable home automation module (242), a conflict between at least one setting of the first vehicle occupant and at least one setting of the second vehicle occupant (conflicting input (conflict) may occur between first action (setting) of parent user (first vehicle occupant) and second action (setting) of child user (second vehicle occupant); paragraph [0076]); determining, by the microprocessor executable home automation module (242), a first priority of the first vehicle occupant and a second priority of the second vehicle occupant (parent user (first vehicle occupant) has a higher priority (first priority) than child user, i.e. having lower priority (second priority); paragraph [0076]); when the first priority is greater than the second priority, generating, by the microprocessor executable home automation module (242), commands to implement the at least one setting of the first vehicle occupant (native monitoring application 242 may perform only the first action (setting) of parent user (first vehicle occupant); paragraph [0076]); and when the second priority is greater than the first priority, generating, by the microprocessor executable home automation module (242), commands to implement the at least one setting of the second vehicle occupant (system 200 resolves the conflict based on user priority, i.e., when child user has a higher priority, the action (setting) of child user is performed; paragraphs [0076], [0154]).

As per claim 7, Trundle discloses the method of claim 1, and further discloses further comprising: receiving, by the microprocessor executable home automation module (242), a number of occupants in the home location from the home automation system (alert 1040 indicating a number of occupant is sent to users, i.e., via mobile device 240 and native monitoring application 242; figures 2, 10; paragraph [0125]); determining, by the microprocessor executable home automation module (242), that the home location is occupied (presence of pet 1018 in the home is determined from alert 1040, i.e., via native monitoring application 242; figure 10; paragraph [0124]), wherein: during the retrieving, the microprocessor executable home automation module (242) retrieves alternate settings from the account of the at least one vehicle occupant (alert 1040 includes input control 1050 (alternate setting) that automatically control the thermostat 1014 for the pet's comfort, i.e., retrieving input control 1050 by native monitoring application 242 from user's account; figure 10; paragraph [0130]); and during the generating, the microprocessor executable home automation module (242) generates commands to implement the alternate settings (when the user activates input control 1050, i.e., generating commands, thermostat 1014 maintains a temperature comfortable for the pet; paragraph [0130]).

As per claim 9, Trundle discloses the method of claim 1, and further discloses further comprising: receiving, by the home automation system (control unit 210), the commands; and configuring features of the home automation system in response to receiving the commands (communicate with module 230 to perform thermostat control, i.e., receiving commands to configure thermostat; figure 2; paragraph [0049]).

As per claim 10, Trundle discloses the method of claim 1, and further discloses further comprising determining, by the microprocessor executable home automation module (242), that the vehicle is leaving the one of the at least one home locations (detects when user is moving away (leaving) from a home, i.e., automobile leaving home; paragraphs [0065], [0139]); connecting, by the microprocessor executable home automation module (242), to the home automation system of the one of the at least one home locations (mobile devices 240, i.e., having native monitoring application 242 thereon, communicate with control unit 210 (home automation system), at a monitored property (home location); figure 2; paragraphs [0055], [0062]); receiving, by the microprocessor executable home automation module (242), the state of features of the home automation system (enables users to monitor; paragraph [0063]); retrieving, by the microprocessor executable home automation module (242), from the account of the at least one vehicle occupant, departure settings for features of the home automation system (tracks mobile device's physical location for use to control settings (departure setting) when user is going away from home; paragraph [0065]); generating, by the microprocessor executable home automation module (242), commands to implement the departure settings (tracks mobile device's physical location for use to control (generating commands) settings (departure settings) when user is going away from home; paragraph [0065]); and sending, by the microprocessor executable home automation module, the commands to the home automation system (mobile devices 240, i.e., having native monitoring application 242 thereon, communicate with (send commands to) control unit 210 (home automation system); figure 2; paragraphs [0055], [0062]).

As per claim 12, Trundle discloses a non-transitory computer readable medium having instructions stored thereon that, when executed by a microprocessor executable home automation module (242), perform a method comprising: receiving an identity (permission system based on user-specific passcodes, i.e., receiving an identity; paragraph [0075]) of at least one occupant (user; paragraph [0075]) of a vehicle (automobile (vehicle); paragraph [0139]); accessing an account of the at least one vehicle occupant, the account defining at least one home location for the identified vehicle occupant (communicating with control unit 210 (home automation system), at a monitored property (home location), i.e., an account; figure 2; paragraphs [0055], [0062]); connecting to a home automation system of one of the at least one home locations (communicating with control unit 210 (home automation system), at a monitored property (home location); figure 2; paragraphs [0055], [0062]); receiving a state of features of the home automation system (native monitoring application 242 enables users to monitor; paragraph [0063]); retrieving, from the account of the at least one vehicle occupant, arrival settings for features of the home automation system (tracking mobile device's physical location for use to control settings (arrival settings) when user is going toward home; paragraph [0065]); generating commands to implement the arrival settings (tracking mobile device's physical location for use to control (generating commands) settings when user is going toward home; paragraph [0065]); and sending the commands to the home automation system (communicating with (send commands to) control unit 210 (home automation system); figure 2; paragraphs [0055], [0062]).

-***-Continued Within the Next Supplemental Box-***-

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34098

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

-***-Continued from Previous Supplemental Box-***-

As per claim 13, Trundle discloses the non-transitory computer readable medium of claim 12, and further discloses further comprising: sending a first set of commands to the home automation system when the vehicle is a first distance from the home location (system maintains (first set of commands) appliances in an off state when user, i.e., in a vehicle, is at a first distance from the property 1210 (home location); figure 12; paragraph [0140]); and sending a second set of commands to the home automation system when the vehicle is a second distance from the home location (system turns (second set of commands) the thermostat 1216 to an on state when user, i.e., in a vehicle, is at a second distance from the property 1210 (home location); figure 12; paragraph [0140]), wherein the first distance is greater than the second distance (second distance is closer to the property (home location); figure 12; paragraph [0141]).

As per claim 14, Trundle discloses the non-transitory computer readable medium of claim 12, and further discloses further comprising: receiving an identity of a first vehicle occupant and a second vehicle occupant (system identifies parent user (first vehicle occupant) and child user (second vehicle occupant); paragraph [0076]) determining a conflict between at least one setting of the first vehicle occupant and at least one setting of the second vehicle occupant (conflicting input (conflict) may occur between first action (setting) of parent user (first vehicle occupant) and second action (setting) of child user (second vehicle occupant); paragraph [0076]); determining a first priority of the first vehicle occupant and a second priority of the second vehicle occupant (parent user (first vehicle occupant) has a higher priority (first priority) than child user, i.e. having lower priority (second priority); paragraph [0076]); when the first priority is greater than the second priority, generating commands to implement the at least one setting of the first vehicle occupant (native monitoring application 242 may perform only the first action (setting) of parent user (first vehicle occupant); paragraph [0076]); and when the second priority is greater than the first priority, generating commands to implement the at least one setting of the second vehicle occupant (system 200 resolves the conflict based on user priority, i.e., when child user has a higher priority, the action (setting) of child user is performed ; paragraphs [0076], [0154]).

As per claim 15, Trundle discloses a vehicle control system of a vehicle, comprising: a memory; and a microprocessor (mobile devices 240; paragraph [0043]) in communication with the memory (mobile devices 240 is a smart phone; paragraph [0054]), the microprocessor operable to execute a home automation module (mobile devices 240 can host native monitoring applications 242 (home automation module); figure 2; paragraph [0054]), the home automation module operable to: receive an identity (permission system based on user-specific passcodes, i.e., receiving an identity; paragraph [0075]) of at least one occupant (user; paragraph [0075]) of the vehicle (automobile (vehicle); paragraph [0139]); access an account of the at least one vehicle occupant, the account defining at least one home location for the identified vehicle occupant (communicating with control unit 210 (home automation system), at a monitored property (home location), i.e., an account; figure 2; paragraphs [0055], [0062]); connect to a home automation system of one of the at least one home locations (communicating with control unit 210 (home automation system), at a monitored property (home location); figure 2; paragraphs [0055], [0062]); receive a state of features of the home automation system (native monitoring application 242 enables users to monitor; paragraph [0063]); retrieve, from the account of the at least one vehicle occupant, arrival settings for features of the home automation system (tracking mobile device's physical location for use to control settings (arrival settings) when user is going toward home; paragraph [0065]); generate a first set of commands and a second set of commands to implement the arrival settings (a first set and second set of settings are shown at times 1 and 2, i.e., generating commands; figure 12; paragraphs [0073], [0140], [0141]); send the first set of commands to the home automation system (at time 1, monitoring system maintains thermostat 1216 in an off setting, i.e., sending first set of commands to control unit 210; figure 12; paragraph [0140]) when the vehicle is a first distance from the home location (time 1, figure 12); and send the second set of commands to the home automation system (monitoring system turns the thermostat 1216 on, i.e., sending second set of commands to controller unit 210; figure 12; paragraph [0141]) when the vehicle is a second distance from the home location (time 2, figure 12), wherein the first distance is greater than the second distance (time 1 is greater than time 2; figure 12).

Claims 6 and 11 lack an inventive step under PCT Article 33(3) as being obvious over Trundle.

As per claim 6, Trundle discloses the method of claim 5. Trundle does not disclose wherein when the first vehicle occupant is identified as a driver, the first priority is greater than the second priority. Trundle does disclose wherein when the first vehicle occupant is identified as a parent (parent user (first vehicle occupant) is identified by permission system; paragraph [0075]), the first priority is greater than the second priority (parent user has higher priority (first priority) than the child user having lower priority (second priority); paragraph [0076]). In order to control a home system based on automobile occupancy (Trundle, paragraphs [0139], [0159]), it would have been obvious to one of ordinary skill in the art, at the time the invention was made, to modify Trundle's home automation module to incorporate identifying the driver because it is commonly known in the art that parents in a vehicle are frequently the driver, as opposed to the children. Furthermore, one of ordinary skill in the art would have recognized that identifying the driver of a vehicle is the functional equivalent of identifying the parent, and only routine skill in the art is needed to select from known and functionally equivalent structures.

-***-Continued Within the Next Supplemental Box-***-

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34098

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

-***-Continued from Previous Supplemental Box-***-

As per claim 11, Trundle discloses the method of claim 1, and further discloses wherein identifying the at least one vehicle occupant comprises: identifying facial features associated with the at least one vehicle occupant via at least one image sensor (system 200 may process the image data (i.e., via an image sensor) using facial type recognition technique to identify an user; paragraph [0148]); determining whether the identified facial features associated with the at least one vehicle occupant match user characteristics stored in a memory (system 200 may process the image data (identified facial features) using facial type recognition technique, i.e., matching user characteristics, to identify an user; paragraph [0148]), and identifying the at least one vehicle occupant further comprises: prompting the at least one vehicle occupant for identification information; receiving identification information from the at least one vehicle occupant; and storing the identification information received from the at least one vehicle occupant in the memory (system 200 determines an identity of an user based on a user-specific code (identification information), i.e., prompting, receiving, and storing user-specific code; paragraph [0149]). Trundle does not disclose when the identified facial features associated with the at least one vehicle occupant do not match the user characteristics stored in the memory, identifying the at least one vehicle occupant further. In order to determine an identity of the user (Trundle, paragraph [0149]), it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Trundle's method to incorporate further identification using identification information when the identified facial features do not match the user characteristics stored in the memory, since it was known in the art facial recognition identification can fail due to inconsistent appearance of the user such as wearing eyeglasses and hats, and different codes can be assigned to different users to detect user identity (Trundle, paragraph [0149]).

Claims 1, 4 lack an inventive step under PCT Article 33(3) as being obvious over US 2013/0083805 A1 (LU).

As per claim 1, Lu discloses a method, comprising: receiving, by a microprocessor executable home automation module (web page of a Smart Gateway Power Controller (SGPC); paragraph [0123]), an identity of at least one occupant of a vehicle (user (vehicle occupant) opens SGPC with a smartphone using security information (identity); paragraph [0123]); accessing, by the microprocessor executable home automation module, an account of the at least one occupant (SGPC requests Home-bound content (HBC) server (account) with the context of the interactions with consumers (occupant); paragraph [0241]), the account defining at least one home location for the vehicle occupant (context of interaction includes the location (home location) of the device, i.e., of the consumer; paragraphs [0241]-[0245]); connecting, by the microprocessor executable home automation module, to a home automation system of one of the at least one home locations (SGPC is connected with a consumer device (home automation system), i.e., at home location; paragraph [0233]); receiving, by the microprocessor executable home automation module, a state of features of the home automation system (SGPC shows switch status (state of features) of the connected consumer devices (home automation system); paragraph [0124]); retrieving, by the microprocessor executable home automation module, from the account of the at least one vehicle occupant, arrival settings for features of the home automation system (user (vehicle occupant) clicks a button to choose a time based or event based schedule (arrival setting); paragraphs [0125], [0232]); generating, by the microprocessor executable home automation module, commands to implement the arrival settings; and sending, by the microprocessor executable home automation module, the commands to the home automation system (user clicks a button to turn on or off a switch, i.e., generating and sending commands to SGPC; paragraph [0125]). Lu does not disclose wherein the occupant is a occupant of a vehicle. In order to access the SGPC outside the home's WiFi network (Lu; paragraph [0205]), it would have been obvious to one of ordinary skill in the art, at the time the invention was made, to utilize Lu's smartphone from within a car, since it was known in the art that smartphones are operable inside a vehicle.

As per claim 4, Lu discloses the method of claim 1, and further discloses wherein the settings comprise at least one of activating, deactivating, and changing a setting of at least one of an interior light, an exterior light, a security system, an interior entertainment system, an exterior entertainment system, a thermostat, and a door lock of the home automation system (SGPC controls a TV (interior entertaining system) and light (interior light); paragraph [0165]).

Claim 8 lacks an inventive step under PCT Article 33(3) as being obvious over Trundle in view of the article "Meet Samsung's version of Apple AirPlay" from CNET (hereinafter "CNET").

As per claim 8, Trundle discloses the method of claim 1. Trundle does not disclose determining, by the microprocessor executable home automation module, one of an audio channel and a video channel presenting a media item to the at least one vehicle occupant; and during the generating, generating commands to tune an entertainment system of the home automation system to one of the audio channel and the video channel presenting the media item to the at least one vehicle occupant. CNET discloses determining, by the microprocessor executable home automation module (Samsung Galaxy S III; page 7, paragraph 2), one of an audio channel and a video channel presenting a media item to the at least one vehicle occupant (I (vehicle occupant) successfully listened to music (audio channel) and HD video streamed (video channel), i.e., determining audio and video channel; page 8, paragraph 1); and during the generating, generating commands to tune an entertainment system of the home automation system to one of the audio channel and the video channel presenting the media item to the at least one vehicle occupant (AllShare Cast Hub (home automation system) mirrors what is displayed (media item) on Samsung handset's screen to a compatible HDTV (entertainment system), i.e., tuning video channel; page 4, paragraph 1). In order to play music and video (Trundle; paragraph [0054]), it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Trundle's home automation module to incorporate CNET's video mirroring functionality because, as CNET discloses, videos on a mobile device can be played on a 55-inch HDTV, to increase video and audio quality and entertainment (CNET, page 8, paragraph 1).

Claims 1-15 have industrial applicability as defined by PCT Article 33(4) because the subject matter can be made or used in industry.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: Jason H. Vick
 Sheridan Ross, P.C.
 1560 Broadway, Suite 1200
 Denver, CO 80202
 United States of America

PCT

NOTIFICATION OF TRANSMITTAL OF
 THE INTERNATIONAL SEARCH REPORT AND
 THE WRITTEN OPINION OF THE INTERNATIONAL
 SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year) 15 SEP 2014	
Applicant's or agent's file reference 6583-559-PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US14/34108	International filing date (day/month/year) 15 April 2014 (15.04.2014)
Applicant FLEXTRONICS AP, LLC	

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.
- Filing of amendments and statement under Article 19:**
 The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):
- When?** The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.
- How?** Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70
- For more detailed instructions,** see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.
2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.
3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.
- ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45bis.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/ Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer Shane Thomas PCT Helpdesk: 571-272-4300 Telephone No. PCT OSP: 571-272-7774
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Form PCT/ISA/220 (July 2014)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6583-559-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US14/34108	International filing date (<i>day/month/year</i>) 15 April 2014 (15.04.2014)	(Earliest) Priority Date (<i>day/month/year</i>) 15 April 2013 (15.04.2013)
Applicant FLEXTRONICS AP, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed.
☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

- ☐ the text is approved as submitted by the applicant.
☒ the text has been established by this Authority to read as follows:

VIRTUAL PERSONALITY VEHICLE COMMUNICATIONS WITH THIRD PARTIES

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 20
☒ as suggested by the applicant.
☐ as selected by this Authority, because the applicant failed to suggest a figure.
☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US14/34108

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01C 21/36; G10L 13/00 (2014.01)

CPC - H04L 67/12; G06F 17/30654; G06Q 50/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) Classification(s): G10L 15/26; G01C 21/36; G10L 13/00; B60Q 1/26 (2014.01)

CPC Classification(s): H04L 67/12, 67/18, 67/306; G06F 17/30654; B60R 16/0373; G06Q 50/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C, B, DE-A, DE-T, DE-U, GB-A, FR-A); ProQuest; IEEE/IEEEExplore; Google/Google Scholar; KEYWORDS: vehicle, communication, personal, profile, context

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- Y	US 2010/0145700 A1 (KENNEWICK, R et al.) 10 June 2010; Abstract; Figures 1, 5; Paragraphs [0011], [0012], [0034], [0094], [0121], [0122].	1-6, 10-15 ----- 7-9
Y	US 2012/0289253 A1 (HAAG, S et al.) 15 November 2012; Paragraphs [0062], [0063].	7
Y	US 2010/0137037 A1 (BASIR, O) 03 June 2010; Paragraphs [0006], [0007], [0024].	8, 9

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

18 August 2014 (18.08.2014)

Date of mailing of the international search report

15 SEP 2014

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

Authorized officer:

Shane Thomas

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: Jason H. Vick
Sheridan Ross, P.C.
1560 Broadway, Suite 1200
Denver, CO 80202
United States of America

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

15 SEP 2014

Applicant's or agent's file reference
6583-559-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/US14/34108

International filing date (day/month/year)

15 April 2014 (15.04.2014)

Priority date (day/month/year)

15 April 2013 (15.04.2013)

International Patent Classification (IPC) or both national classification and IPC

IPC(8) - G01C 21/36; G10L 13/00 (2014.01)

CPC - H04L 67/12; G06F 17/30654; G06Q 50/30

Applicant FLEXTRONICS AP, LLC

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of completion of this opinion

18 August 2014 (18.08.2014)

Authorized officer:

Shane Thomas

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34108

Box No. 1 Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed.
 - ☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
 - ☐ on paper
 - ☐ in electronic form
 - b. (time)
 - ☐ in the international application as filed
 - ☐ together with the international application in electronic form
 - ☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

Form PCT/ISA/237 (Box No. 1) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34108

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. Statement				
Novelty (N)	Claims	7-9	YES	
	Claims	1-6, 10-15	NO	
Inventive step (IS)	Claims	NONE	YES	
	Claims	1-15	NO	
Industrial applicability (IA)	Claims	1-15	YES	
	Claims	NONE	NO	
2. Citations and explanations:				
<p>Claims 1-6, and 10-15 lack novelty under PCT Article 33(2) as being anticipated by US 2010/0145700 A1 to KENNEWICK et al. (hereinafter 'Kennewick').</p> <p>As per claim 1, Kennewick discloses a system for vehicle to another party communications (communication between a vehicle system and remote devices (another party); Abstract) comprising: a vehicle personality module adapted to create a vehicle personality (a personality module attached to the vehicle enabling vehicle personalities to be created; Paragraph [0012]); a communications system that utilizes the created vehicle personality for one or more communications instead of a user's profile (invoking the vehicle personalities by a speech unit that simulates human characteristics (utilizes the created vehicle personality) when presenting results to user's questions based on responses from probabilistic or fuzzy set decision sources (instead of a user's profile); Paragraphs [0012], [0034], [0094]).</p> <p>As per claim 2, Kennewick discloses the system of claim 1. Kennewick additionally discloses, wherein the vehicle personality is based on one or more user profiles (the invoked personality of the vehicle uses a user history and preferences (based on one or more user profiles); Paragraph [0034]).</p> <p>As per claim 3, Kennewick discloses the system of claim 1. Kennewick additionally discloses, wherein the vehicle personality utilizes a vehicle communications module to send and receive communications (the system personality 108 (vehicle personality) interfaces with network interface 116 (a vehicle communications module) to query data sources and return responses using the speech unit; Figure 5; Paragraphs [0121], [0122]).</p> <p>As per claim 4, Kennewick discloses the system of claim 1. Kennewick additionally discloses, wherein the vehicle personality utilizes a user's communication device to send and receive communications (the system personality 108 (vehicle personality) communicates through the handheld device 36 speech unit interface (user's communication device) over a wireless link (send and receive communications); Figures 1, 5; Paragraphs [0011]).</p> <p>As per claim 5, Kennewick discloses the system of claim 1. Kennewick additionally discloses, wherein one or more of an identifier and an icon is associated with the vehicle personality and sent with at least one communication (a symbol (icon) is translated by a domain agent of the personality 108 (the vehicle personality) to present to the user using the communication link; Figure 5; Paragraphs [0120], [0177]).</p> <p>As per claim 6, Kennewick discloses the system of claim 1. Kennewick additionally discloses, wherein the vehicle personality is automatically utilized based on a determined context (the domain agent selects the personality 108 to be used (vehicle personality is automatically utilized) based on the context; Figure 5; Paragraph [0175]).</p> <p>As per claim 10, Kennewick discloses the system of claim 1. Kennewick additionally discloses, wherein the one or more communications are for any user associated with the vehicle (for multiple users within a vehicle, the system determines which user is stating a command and applies the correct context; Paragraphs [0036], [0037]).</p> <p>As per claim 11, Kennewick discloses a method for vehicle to another party communications (communication between a vehicle system and remote devices (another party); Abstract) comprising: creating a vehicle personality (a personality module attached to the vehicle enables personalities to be created; Paragraph [0012]); utilizing the created vehicle personality for one or more communications instead of a user's profile (invoking the vehicle personalities by a speech unit that simulates human characteristics (utilizes the created vehicle personality) when presenting results to user's questions based on responses from probabilistic or fuzzy set decision sources (instead of a user's profile); Paragraphs [0012], [0034], [0094]).</p> <p>As per claim 12, Kennewick discloses the method of claim 11. Kennewick additionally discloses, wherein the vehicle personality is based on one or more user profiles (the invoked personality of the vehicle uses a user history and preferences (based on one or more user profiles); Paragraph [0034]).</p> <p>As per claim 13, Kennewick discloses the method of claim 11. Kennewick additionally discloses, wherein the vehicle personality utilizes a vehicle communications module to send and receive communications (the system personality 108 (vehicle personality) interfaces with network interface 116 (a vehicle communications module) to query data sources and return responses using the speech unit; Figure 5; Paragraphs [0121], [0122]).</p> <p>---Continued Within the Next Supplemental Box---</p>				

Form PCT/ISA/237 (Box No. V) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34108

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

-Continued from Previous Supplemental Box-

As per claim 14, Kennewick discloses the method of claim 11. Kennewick additionally discloses, wherein the vehicle personality utilizes a user's communication device to send and receive communications (the system personality 108 (vehicle personality) communicates through the handheld device 36 speech unit interface (user's communication device) over a wireless link (send and receive communications); Figures 1, 5; Paragraphs [0011]).

As per claim 15, Kennewick discloses the method of claim 11. Kennewick additionally discloses, wherein one or more of: an identifier and an icon is associated with the vehicle personality and sent with at least one communication, the vehicle personality is automatically utilized based on a determined context, the determined context is a geographic area that prohibits phone usage while driving, the vehicle personality communicates directly with the another party, the vehicle personality intercepts one or more communications for a user of the vehicle, and the one or more communications are for any user associated with the vehicle (for multiple users within a vehicle (any user associated with the vehicle), the domain agent selects the personality 108 based on the correct context (the vehicle personality is automatically utilized based on a determined context) and user profile; Figure 5; Paragraphs [0036], [0175]).

Claim 7 lacks an inventive step under PCT Article 33(3) as being obvious over Kennewick in view of US 2012/0289253 A1 to HAAG et al. (hereinafter 'Haag').

As per claim 7, Kennewick discloses the system of claim 6. Kennewick does not disclose, wherein the determined context is a geographic area that prohibits phone usage while driving. Haag discloses wherein the determined context is a geographic area that prohibits phone usage while driving (based on locations, text to a travelling mobile device is delayed or prevented (prohibits phone usage while driving); Paragraphs [0062], [0063]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the system of Kennewick with the teaching of Haag, because by doing so, the system of Kennewick would provide improved safety by automatically inhibiting dangerous activities while driving based on vehicle location.

Claims 8 and 9 lack an inventive step under PCT Article 33(3) as being obvious over Kennewick in view of US 2010/0137037 A1 to (BASIR).

As per claim 8, Kennewick discloses the system of claim 1. Kennewick does not disclose wherein the vehicle personality communicates directly with the another party. Basir discloses, wherein the vehicle personality communicates directly with the another party (a vehicle integrated intelligent information manager (vehicle personality) automatically sends a response, without driver intervention, to a third-party; Paragraphs [0006], [0007], [0024]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the system of Kennewick with the teaching of Basir, because by doing so, the system of Kennewick would provide intelligent, automated responses for the driver to send based on the driver's user profile and without distracting the driver from navigation.

As per claim 9, Kennewick discloses the system of claim 1. Kennewick does not disclose, wherein the vehicle personality intercepts one or more communications for a user of the vehicle. Basir discloses, wherein the vehicle personality intercepts one or more communications for a user of the vehicle (a vehicle integrated intelligent information manager (vehicle personality) filters emails (intercepts) and automatically sends a response, without driver intervention, to a third-party; Paragraphs [0006], [0007], [0024]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the system of Kennewick with the teaching of Basir, because by doing so, the system of Kennewick would provide automated filtering of incoming messages to reduce driver interruptions and summarize communications.

Claims 1-15 have industrial applicability as defined by PCT Article 33(4) because the subject matter can be made or used in industry.

From the INTERNATIONAL SEARCHING AUTHORITY

To: RICHARD E. ZELENKA
SHERIDAN ROSS P.C.
1560 BROADWAY, SUITE 1200
DENVER, CO 80202

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing
(day/month/year)

22 AUG 2014

Applicant's or agent's file reference
6583-562-PCT

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.
PCT/US2014/034101

International filing date
(day/month/year) **15 April 2014**

Applicant **FLEXTRONICS AP, LLC**

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

How? Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see PCT Applicant's Guide, International Phase, paragraphs 9.004 – 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.
- ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45bis.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300
Telephone No. PCT OSP: 571-272-7774

Form PCT/ISA/220 (July 2014)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6583-562-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2014/034101	International filing date (day/month/year) 15 April 2014	(Earliest) Priority Date (day/month/year) 15 April 2013
Applicant FLEXTRONICS AP, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed.
☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 24
☒ as suggested by the applicant.
☐ as selected by this Authority, because the applicant failed to suggest a figure.
☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2014/034101

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G07C 5/08 (2014.01) USPC - 701/33.4 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC(8) - B60N 2/02; G07C 5/00, 5/08 (2014.01) USPC - 700/17, 701/29.6, 33.4, 36, 49 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched CPC - B60N 2/0248, 2/0296; G07C 5/0808 (2014.02) Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PatBase, Google Patents, Google		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,557,752 B1 (YACOOB) 06 May 2003 (06.05.2003) entire document	1-15
A	US 2004/0153356 A1 (LOCKWOOD et al) 05 August 2004 (05.08.2004) entire document	1-15
A	US 2012/0316720 A1 (HYDE et al) 13 December 2012 (13.12.2012) entire document	1-15
A	US 2011/0077808 A1 (HYDE et al) 31 March 2011 (31.03.2011) entire document	1-15
A	US 2009/0284359 A1 (HUANG et al) 19 November 2009 (19.11.2009) entire document	1-15
A	US 2004/0217850 A1 (PERTTUNEN et al) 04 November 2004 (04.11.2004) entire document	1-15
☐ Further documents are listed in the continuation of Box C. ☐		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 03 August 2014		Date of mailing of the international search report 22 AUG 2014
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: RICHARD E. ZELENKA
SHERIDAN ROSS P.C.
1560 BROADWAY, SUITE 1200
DENVER, CO 80202

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

22 AUG 2014

Applicant's or agent's file reference
6583-562-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/US2014/034101

International filing date (day/month/year)

15 April 2014

Priority date (day/month/year)

15 April 2013

International Patent Classification (IPC) or both national classification and IPC
IPC(8) - G07C 5/08 (2014.01)
USPC - 701/33.4

Applicant FLEXTRONICS AP, LLC

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of completion of this opinion

03 August 2014

Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US2014/034101

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed.
 - ☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
 - ☐ on paper
 - ☐ in electronic form
 - b. (time)
 - ☐ in the international application as filed
 - ☐ together with the international application in electronic form
 - ☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

Form PCT/ISA/237 (Box No. I) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/034101

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	None	YES
	Claims	1-15	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-15	NO
Industrial applicability (IA)	Claims	1-15	YES
	Claims	None	NO

2. Citations and explanations:

Claims 1-15 lack novelty under PCT Article 33(2) as being anticipated by Lockwood et al., hereinafter referred to as Lockwood.

Regarding claims 1,14,15, Lockwood teaches a method [claim 1], a non-transitory computer readable medium having instructions stored thereon [claim 14] and a vehicle maintenance and warranty compliance detection system comprising a vehicle control system [claim 15] (systems and methods for automation and enhancement of customer service in vehicle distress situations, [abstract]; application logic, [0031]), comprising: receiving sensor data from one or more vehicle sensors (report when vehicle being driven by other than identified driver as well as distance travelled by the vehicle, [0023]); identifying, from the sensor data, an identity of a user of a vehicle (report when vehicle being driven by other than identified driver using voice, eye, fingerprint, etc., [0023]; a police report of a driving under the influence or excessive speed violation in connection with the vehicle while being driven by a particular driver [identifying a driver] could trigger an automated customer service response, [0026]); determining, from the sensor data, if a user is not in compliance with a user vehicle operating term (monitoring of distress events, or lack thereof, may be utilized by a leasing agency to provide credits or surcharges to the lessee based upon actual usage rather than estimated usage wherein such distress events may include, without limitation, speeding, excessive mileage traveled, improper or proper compliance with suggested regular maintenance, unreported collisions or bumps, ABS deployment, numbers of instances of hard breaking and/or rapid acceleration, [0035]); and taking action if the user is not in compliance with a user vehicle operating term (surcharges may apply based on distress events, [0035]).

Regarding claim 2, Lockwood teaches the user vehicle operating term is at least one of a maintenance standard, a warranty requirement and a user operating restriction (a police report of a driving under the influence or excessive speed violation in connection with the vehicle while being driven by a particular driver [identifying a driver] could trigger an automated customer service response, [0026]; monitoring of distress events, or lack thereof, may be utilized by a leasing agency to provide credits or surcharges to the lessee based upon actual usage rather than estimated usage wherein such distress events may include, without limitation, speeding, excessive mileage traveled, improper or proper compliance with suggested regular maintenance, unreported collisions or bumps, ABS deployment, numbers of instances of hard breaking and/or rapid acceleration, [0035]).

Regarding claim 3, Lockwood teaches comparing the sensor data to at least one of vehicle maintenance standards, vehicle warranty requirements and user profile operating restrictions (a police report of a driving under the influence or excessive speed violation in connection with the vehicle while being driven by a particular driver [identifying a driver] could trigger an automated customer service response, [0026]; monitoring of distress events, or lack thereof, may be utilized by a leasing agency to provide credits or surcharges to the lessee based upon actual usage rather than estimated usage wherein such distress events may include, without limitation, speeding, excessive mileage traveled, improper or proper compliance with suggested regular maintenance, unreported collisions or bumps, ABS deployment, numbers of instances of hard breaking and/or rapid acceleration, [0035]).

Regarding claim 4, Lockwood teaches the user is not in compliance with a user vehicle operating term if the comparison results in one or more characteristics of vehicle maintenance standards (monitoring of distress events, or lack thereof, may be utilized by a leasing agency to provide credits or surcharges to the lessee based upon actual usage rather than estimated usage wherein such distress events may include, without limitation, speeding, excessive mileage traveled, improper or proper compliance with suggested regular maintenance, unreported collisions or bumps, ABS deployment, numbers of instances of hard breaking and/or rapid acceleration, [0035]), vehicle warranty requirements and user profile operating restrictions not satisfied.

Regarding claim 5, Lockwood teaches the taking action comprises noticing a third party if the user is not in compliance with a user vehicle operating term (vehicle leasing agency, [0035]).

Regarding claim 6, Lockwood teaches the third party is at least one of an insurance provider, warranty provider, authorized monitor (vehicle leasing agency, [0035]) and user.

Regarding claim 7, Lockwood teaches comprising updating a user profile database regarding the user vehicle not in compliance (warranty information associated with the vehicle or a customer profile connected with either the usual driver of the vehicle and/or the vehicle itself, [0008]; monitoring of distress events, or lack thereof, may be utilized by a leasing agency to provide credits or surcharges to the lessee based upon actual usage rather than estimated usage, [0035]; [therefore it is interpreted that a lessee profile is updated in a database]).

Regarding claim 8, Lockwood teaches the one or more vehicle sensors include an odometer (excessive mileage traveled, [0035]), a tachometer, an oil level meter and an image sensor.

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US2014/034101

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Regarding claim 9, Lockwood teaches the taking action comprises providing an alert (electronic notification, [0063]).

Regarding claim 10, Lockwood teaches the providing an alert comprises a visual alert, an audio alert, emergency responder alert, and alert to an authorized monitor (vehicle leasing agency, [0035]).

Regarding claim 11, Lockwood teaches identifying the one or more characteristics of vehicle maintenance standards, vehicle warranty requirements and user profile operating restrictions not satisfied (monitoring of distress events, or lack thereof, may be utilized by a leasing agency to provide credits or surcharges to the lessee based upon actual usage rather than estimated usage wherein such distress events may include, without limitation, speeding, excessive mileage traveled, improper or proper compliance with suggested regular maintenance, unreported collisions or bumps, ABS deployment, numbers of instances of hard breaking and/or rapid acceleration, [0035]).

Regarding claim 12, Lockwood teaches the taking action comprises noticing a third party if the user is not in compliance with a user vehicle operating term (vehicle leasing agency, [0035]).

Regarding claim 13, Lockwood teaches receiving a query from a warranty provider if a user is not in compliance with a vehicle warranty requirement (the response plan may also be impacted by other criteria such as insurance coverage connected with the vehicle, warranty information associated with the vehicle or a customer profile connected with either the usual driver of the vehicle and/or the vehicle itself, [0008]; retrieval of customer warranty information, [0096]; monitoring of distress events, or lack thereof, may be utilized by a leasing agency to provide credits or surcharges to the lessee based upon actual usage rather than estimated usage wherein such distress events may include, without limitation, speeding, excessive mileage traveled, improper or proper compliance with suggested regular maintenance, unreported collisions or bumps, ABS deployment, numbers of instances of hard breaking and/or rapid acceleration, [0035]).

Claims 1-15 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

Form PCT/ISA/237 (Supplemental Box) (July 2011)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: JASON H. VICK
SHERIDAN ROSS P.C.
1560 BROADWAY, SUITE 1200
DENVER, CO 80202

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing
(day/month/year)

03 SEP 2014

Applicant's or agent's file reference
6583-565-PCT

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.
PCT/US2014/034103

International filing date
(day/month/year) **15 April 2014**

Applicant **FLEXTRONICS AP, LLC**

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

How? Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:**

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90*bis*.1 and 90*bis*.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45*bis*.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300

Telephone No. PCT OSP: 571-272-7774

Form PCT/ISA/220 (July 2014)

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6583-565-PCT	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/US2014/034103	International filing date (<i>day/month/year</i>) 15 April 2014	(Earliest) Priority Date (<i>day/month/year</i>) 15 April 2013
Applicant FLEXTRONICS AP, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

☒ the international application in the language in which it was filed.

☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 20

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G07C 5/08 (2014.01)

USPC - 701/33.4

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - G07C 5/00, 5/08 (2014.01)

USPC - 701/32.1, 33.4, 533

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - G07C 5/008, 5/08 (2014.02)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase, Google Patents, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010/0087984 A1 (JOSEPH) 08 April 2010 (08.04.2010) entire document	1-15
A	US 2011/0184642 A1 (ROTZ et al) 28 July 2011 (28.07.2011) entire document	1-15
A	US 2004/0225557 A1 (PHELAN et al) 11 November 2004 (11.11.2004) entire document	1-15
A	US 2004/0153356 A1 (LOCKWOOD et al) 05 August 2004 (05.08.2004) entire document	1-15
A	US 2005/0065716 A1 (TIMKO et al) 24 March 2005 (24.03.2005) entire document	1-15

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

04 August 2014

Date of mailing of the international search report

03 SEP 2014

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

From the
INTERNATIONAL SEARCHING AUTHORITY

To: JASON H. VICK
SHERIDAN ROSS P.C.
1560 BROADWAY, SUITE 1200
DENVER, CO 80202

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

03 SEP 2014

Applicant's or agent's file reference
6583-565-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.
PCT/US2014/034103

International filing date (day/month/year)
15 April 2014

Priority date (day/month/year)
15 April 2013

International Patent Classification (IPC) or both national classification and IPC
IPC(8) - G07C 5/08 (2014.01)
USPC - 701/33.4

Applicant FLEXTRONICS AP, LLC

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of completion of this opinion
04 August 2014

Authorized officer:
Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

PCT/US2014/034103 03.09.2014

International application No.
PCT/US2014/034103

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed.
 - ☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
 - ☐ on paper
 - ☐ in electronic form
 - b. (time)
 - ☐ in the international application as filed
 - ☐ together with the international application in electronic form
 - ☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

PCT/US2014/034103

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>5,10,13</u>	YES
	Claims	<u>1-4,6-9,11,12,14,15</u>	NO
Inventive step (IS)	Claims	<u>None</u>	YES
	Claims	<u>1-15</u>	NO
Industrial applicability (IA)	Claims	<u>1-15</u>	YES
	Claims	<u>None</u>	NO

2. Citations and explanations:

Claims 1-4,6-9,11,12,14,15 lack novelty under PCT Article 33(2) as being anticipated by Joseph.

Regarding claims 1,11,14,15, Joseph teaches a driver facts system [claim 1], a driver facts management method [claims 11,14] (Systems, devices, and techniques for remotely tracking vehicle and driver behavior, [abstract]) and a non-transitory computer readable information storage media, having stored thereon instructions [claim 15] (central host computer system, [0026]) comprising: one or more systems that track user behavior, the user behavior including one or more of: one or more user actions and one or more user interactions with a vehicle (on-board vehicle monitoring device to gather information on vehicle diagnostics, location, and/or acceleration/deceleration and wirelessly transmit some or all of the data to a central host computer system, [0026]); and a storage system adapted to store the user behavior (central host computer system, [0026]), wherein the tracked user behavior is associated with a driver and the storage system is capable of storing the tracked behavior for the driver from a plurality of vehicles (Information received at the host may be stored and compiled to create metrics for one or many drivers and/or vehicles, [0026]; fig.10; fig.11).

Regarding claim 2, Joseph teaches the one or more systems include one or more of: a vehicle control recognition module, an environmental control module, an object detection module (proximity sensor may be used to determine how close the vehicle is to another vehicle or another object in front of the vehicle, [0026]), a gesture recognition module and an infotainment monitoring module.

Regarding claim 3, Joseph teaches the storage system is stored on one or more of a user device, a remote device and a central repository (central host computer system, [0026]).

Regarding claim 4, Joseph teaches information from one or more vehicle sensors is also used to track user behavior (proximity sensor may be used to determine how close the vehicle is to another vehicle or another object in front of the vehicle wherein such information may be useful in determining whether a driver is following the preceding vehicle in traffic too closely, [0026]).

Regarding claim 6, Joseph teaches the storage system that stores the user behavior is interrogatable by one or more of law enforcement, a vehicle manufacturer, a vehicle dealer, a vehicle repair shop, an insurance company, a warranty company, and another user (Following the driver and vehicle data being compiled at block 1130, some or all these statistics may be displayed to the user, at block 1140, [0077]).

Regarding claim 7, Joseph teaches the user behavior is used as input to determine whether an intended vehicle route should be modified (a driver may take meandering Routes, [0003]; [therefore it is interpreted that the system may recognize meandering routes and recognize better routes]).

Regarding claim 8, Joseph teaches the user behavior is used as input to determine whether an intended vehicle route should be modified in conjunction with one or more of: traffic information, weather information, prior routes, purchase information, patterns (a driver may take meandering Routes, [0003]; [therefore it is interpreted that the system may recognize meandering routes and recognize better routes]), preferences, prior route modification decisions, and user input.

Regarding claim 9, Joseph teaches the tracked user behavior is automatically forwarded to one or more of law enforcement, a vehicle manufacturer, a vehicle dealer, a vehicle repair shop, an insurance company, a warranty company, and another user (Following the driver and vehicle data being compiled at block 1130, some or all these statistics may be displayed to the user, at block 1140, [0077]).

Regarding claim 12, Joseph teaches the tracking is performed by one or more of: a vehicle control recognition module, an environmental control module, an object detection module (proximity sensor may be used to determine how close the vehicle is to another vehicle or another object in front of the vehicle, [0026]), a gesture recognition module and an infotainment monitoring module.

Claims 5,10,13 lack an inventive step under PCT Article 33(3) as being obvious over Joseph.

Regarding claim 5, Joseph does not disclose disabling of the tracking of user behavior is prohibited. However, Joseph does disclose the invention may be used to prevent misuse of a vehicle by a driver ([0003]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to prohibit disabling of the tracking systems in order to ensure a driver cannot circumvent the safeguards.

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Regarding claim 10, Joseph does not disclose the user behavior is not modifiable by the user. However, Joseph does disclose the invention may be used to prevent misuse of a vehicle by a driver ([0003]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to ensure a user cannot modify user behavior in order to ensure a driver cannot circumvent the safeguards.

Regarding claim 13, Joseph teaches the storage system is stored on one or more of a user device, a remote device and a central repository (central host computer system, [0026]), information from one or more vehicle sensors is also used to track user behavior (Information received at the host may be stored and compiled to create metrics for one or many drivers and/or vehicles, [0026]; fig.10; fig.11), the storage system that stores the user behavior is interrogatable by one or more of law enforcement, a vehicle manufacturer, a vehicle dealer, a vehicle repair shop, an insurance company, a warranty company, and another user (Following the driver and vehicle data being compiled at block 1130, some or all these statistics may be displayed to the user, at block 1140, [0077]), the user behavior is used as input to determine whether an intended vehicle route should be modified, the user behavior is used as input to determine whether an intended vehicle route should be modified in conjunction with one or more of: traffic information, weather information, prior routes, purchase information, patterns (a driver may take meandering Routes, [0003]; [therefore it is interpreted that the system may recognize meandering routes and recognize better routes]), preferences, prior route modification decisions, and user input, and/or the tracked user behavior is automatically forwarded to one or more of law enforcement, a vehicle manufacturer, a vehicle dealer, a vehicle repair shop, an insurance company, a warranty company, and another user (Following the driver and vehicle data being compiled at block 1130, some or all these statistics may be displayed to the user, at block 1140, [0077]), but does not explicitly teach disabling of the tracking of user behavior is prohibited. However, Joseph does disclose the invention may be used to prevent misuse of a vehicle by a driver ([0003]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to prohibit disabling of the tracking systems in order to ensure a driver cannot circumvent the safeguards.

Claims 1-15 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: Timothy E. Buckley
 Sheridan Ross P.C.
 1560 Broadway, Suite 1200
 Denver, CO 80202
 United States of America

PCT

NOTIFICATION OF TRANSMITTAL OF
 THE INTERNATIONAL SEARCH REPORT AND
 THE WRITTEN OPINION OF THE INTERNATIONAL
 SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing
 (day/month/year)

15 SEP 2014

Applicant's or agent's file reference

6583-567-PCT**FOR FURTHER ACTION** See paragraphs 1 and 4 below

International application No.

PCT/US14/34114

International filing date
 (day/month/year)

15 April 2014 (15.04.2014)

Applicant

FLEXTRONICS AP, LLC

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

How? Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes
 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.
- ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45bis.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/
 Mail Stop PCT, Attn: ISA/US
 Commissioner for Patents
 P.O. Box 1450, Alexandria, Virginia 22313-1450
 Facsimile No. 571-273-3201

Authorized officer

Shane Thomas

PCT Helpdesk: 571-272-4300
 Telephone No. PCT OSP: 571-272-7774

Form PCT/ISA/220 (July 2014)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6583-567-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US14/34114	International filing date (<i>day/month/year</i>) 15 April 2014 (15.04.2014)	(Earliest) Priority Date (<i>day/month/year</i>) 15 April 2013 (15.04.2013)
Applicant FLEXTRONICS AP, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed.
☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 25
☒ as suggested by the applicant.
☐ as selected by this Authority, because the applicant failed to suggest a figure.
☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US14/34114

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06Q 10/10; H04W 68/12, 8/08 (2014.01)

CPC - G01C 21/362; G06Q 10/1093; H04L 67/1095

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) Classification(s): G06Q 50/30; G01C 21/36; G06Q 10/10; H04W 4/02, 68/12, 8/08 (2014.01)

CPC Classification(s): G01C 21/362; G06Q 10/025, 10/1093; H04L 67/22, 67/18, 67/1095

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C, B, DE-A, DE-T, DE-U, GB-A, FR-A); ProQuest; IEEE/IEEExplore; Google/Google Scholar; KEYWORDS: synchronize, vehicle, calendar, alarm, notice, factor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- Y	US 2012/0197523 A1 (KIRSCH) 02 August 2012; Figures 1-4, 10; Paragraphs [0043], [0053], [0056], [0064], [0086].	1, 2, 8-10 ----- 3-7, 11-15
Y	EP 1909069 B1 (BAUER, L et al.) 08 December 2010; Paragraphs [0027]-[0028].	3, 11
Y	US 2011/0090078 A1 (KIM, F et al.) 21 April 2011; Figure 3; Paragraphs [0029], [0041].	4-7, 12-15
Y	US 2012/0254804 A1 (SHEHA, M et al.) 04 October 2012; Paragraphs [0849]-[0851].	15

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 18 August 2014 (18.08.2014)	Date of mailing of the international search report 15 SEP 2014
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Shane Thomas PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: Timothy E. Buckley
Sheridan Ross P.C.
1560 Broadway, Suite 1200
Denver, CO 80202
United States of America

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

15 SEP 2014

Applicant's or agent's file reference
6583-567-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/US14/34114

International filing date (day/month/year)

15 April 2014 (15.04.2014)

Priority date (day/month/year)

15 April 2013 (15.04.2013)

International Patent Classification (IPC) or both national classification and IPC

IPC(8) - G06Q 10/10; H04W 68/12, 8/08 (2014.01)

CPC - G01C 21/362; G06Q 10/1093; H04L 67/1095

Applicant **FLEXTRONICS AP, LLC**

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☒ Box No. VII Certain defects in the international application
- ☒ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of completion of this opinion

18 August 2014 (18.08.2014)

Authorized officer:

Shane Thomas

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34114

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed.
 - ☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
 - ☐ on paper
 - ☐ in electronic form
 - b. (time)
 - ☐ in the international application as filed
 - ☐ together with the international application in electronic form
 - ☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

Form PCT/ISA/237 (Box No. I) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34114

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	3-7, 11-15	-	YES
	Claims	1, 2, 8-10		NO
Inventive step (IS)	Claims	NONE		YES
	Claims	1-15		NO
Industrial applicability (IA)	Claims	1-15		YES
	Claims	NONE		NO

2. Citations and explanations:

Claims 1, 2, and 8-10 lack novelty under PCT Article 33(2) as being anticipated by US 2012/0197523 A1 (KIRSCH).

As per claim 1, Kirsch discloses a vehicle system comprising: a vehicle (vehicle 110; Figure 1); a vehicle control system coupled to said vehicle (an in-vehicle system 112 (a vehicle control system) with a short-range communication link; Abstract; Figure 3; Paragraph [0043]) and a communications unit coupled to said vehicle control system (a vehicle-connect application 212 facilitates communication using Bluetooth connecting the mobile device and in-vehicle system; Figure 2; Paragraph [0053]), wherein said vehicle control system synchronizes a calendar with said vehicle control system (the in-vehicle control system calendar module 214 converts data to a vehicle format for transfer (synchronizes a calendar) and display in the vehicle at block 418; Figures 2, 4; Paragraph [0056]) and generates a notice for a first user based on an event in said calendar and a supplemental factor (interface screen 1002 automatically displays the notification to the user based on a calendar entry and matching calendar metadata (a supplemental factor); Figure 10; Paragraphs [0064], [0086]).

As per claim 2, Kirsch discloses the vehicle system of claim 1. Kirsch additionally discloses wherein said first user is associated with said vehicle (user interface screen of the in-vehicle display notifies the user, within the vehicle, that vehicle service is due soon; Figure 7A; Paragraphs [0021], [0040]).

As per claim 8, Kirsch discloses the vehicle system of claim 1. Kirsch additionally discloses, wherein said communications unit is one or more of a sensor, transceiver, or transmitter (the vehicle connect, VC, application communicates wirelessly (a transmitter) using Bluetooth protocols; Paragraph [0053]).

As per claim 9, Kirsch discloses a method comprising: receiving authorization from a first device to synchronize a calendar associated with said first device with a vehicle control system coupled to a vehicle (device 120 pairs with an in-vehicle system 112 (receiving authorization from a first device) to push calendar information from device 120 via vehicle connect application 212 (synchronize a calendar) to the in-vehicle system 112 (vehicle control system); Abstract; Figures 2, 3; Paragraphs [0043], [0053]); synchronizing said calendar with said vehicle control system (calendar module 214 converts data to a vehicle format for transfer (synchronizing said calendar) and display in the vehicle at block 418; Figures 2, 4; Paragraph [0056]); and generating a smart alarm to a first user based on an event in said calendar and a supplemental factor (interface screen 1002 automatically displays the notification of options (a smart alarm) to the user based on a calendar entry (an event) and matching calendar metadata (supplemental factor); Figure 10; Paragraphs [0064], [0086]).

As per claim 10, Kirsch discloses the method of claim 9. Kirsch additionally discloses, wherein said first device is associated with said vehicle (device 120 (said first device) is paired with the in-vehicle system; Figure 2; Paragraph [0043]).

Claims 3 and 11 lack an inventive step under PCT Article 33(3) as being obvious over Kirsch in view of EP 1,909,069 B1, to BAUER et al. (hereinafter 'Bauer').

As per claim 3, Kirsch discloses the vehicle system of claim 1. Kirsch does not disclose, wherein said supplemental factor is based on an amount of traffic from a departure point to an arrival point. Bauer discloses wherein said supplemental factor is based on an amount of traffic from a departure point to an arrival point (a message is displayed for scheduled appointments based on the actual traffic situation (an amount of traffic) in computing a route to a connecting destination (a departure point to an arrival point); Paragraphs [0027], [0028]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the system of Kirsch with the teaching of Bauer, because by doing so, the system of Kirsch would provide enhanced notifications to the user on route to a scheduled appointment destination based on actual traffic conditions.

As per claim 11, Kirsch discloses the method of claim 10. Kirsch does not disclose, wherein said supplemental factor is based on an amount of time corresponding to traffic from a departure point to an arrival point. Bauer discloses wherein said supplemental factor is based on an amount of time corresponding to traffic from a departure point to an arrival point (a message is displayed for scheduled appointments based on the actual traffic situation and an estimated time interval to reach the destination (a departure point to an arrival point); Paragraphs [0027], [0028]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the method of Kirsch with the teaching of Bauer, because by doing so, the method of Kirsch would provide enhanced notifications to the user on route to destinations of scheduled appointments based on temporal order and actual traffic conditions.

---Continued Within the Next Supplemental Box---

Form PCT/ISA/237 (Box No. V) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34114

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

Claim 11 is objected to under PCT Rule 66.2(a)(iii) as containing the following defects in the form or contents thereof: Claim 11, lines 1-2 recite "wherein said supplemental factor based on an amount of time". As best understood, this limitation is considered to be a typographical error and will be interpreted as "wherein said supplemental factor is based on an amount of time".

Form PCT/ISA/237 (Box No. VII) (July 2011)

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US14/34114

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claim 7 is objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claim 7 is indefinite for the following reason(s): Claim 7 refers to "The vehicle system of claim 5, wherein at least one of said set of conditions" in line 1. There is a lack of antecedent basis for this limitation in the claim. As best understood, the claim is interpreted to read "The vehicle system of claim 6, wherein at least one of said set of conditions".

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34114

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

---Continued from Previous Supplemental Box---

Claims 4-7, and 12-14 lack an inventive step under PCT Article 33(3) as being obvious over Kirsch in view of US 2011/0090078 A1, to KIM et al. (hereinafter 'Kim').

As per claims 4 and 12, Kirsch discloses the vehicle system of claim 1 and the method of claim 10, respectively. Kirsch does not disclose, wherein said supplemental factor is based on an amount of time required for said first user to arrive at said vehicle from a departure site. Kim discloses wherein said supplemental factor is based on an amount of time required for said first user to arrive at said vehicle from a departure site (a user has transportation options between locations, including walking, a personal vehicle or a public vehicle and a departure alert is generated according to an event (supplemental factor) depending on a user departure buffer, which is the amount of time between the current time value and departure time value (amount of time required for said first user to arrive at said vehicle); Abstract; Figure 3; Paragraphs [0029], [0040], [0045]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the system and method of Kirsch with the teaching of Kim, because by doing so, the system and method of Kirsch would provide the capability of configuring departure alerts dependent upon a threshold criteria to remind the user of the necessary time buffer to arrive at the location of the scheduled appointment at the intended time.

As per claim 5, Kirsch discloses the vehicle system of claim 1. Kirsch does not disclose wherein said notice is provided to a second user. Kim discloses, wherein said notice is provided to a second user (a conflict alert (notice) is generated for notifying another event participant (a second user); Paragraph [0041]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the system of Kirsch with the teaching of Kim, because by doing so, the system of Kirsch would provide a contextual alert dependent on multiple event participants' estimated travel times.

As per claim 6, Kirsch discloses the vehicle system of claim 1. Kirsch does not disclose wherein said notice is provided to a second user based on at least one of a set of conditions. Kim discloses, wherein said notice is provided to a second user based on at least one of a set of conditions (a conflict alert (notice) is generated for notifying another event participant (a second user) based on estimated travel times (conditions); Paragraph [0041]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the system of Kirsch with the teaching of Kim, because by doing so, the system of Kirsch would provide a contextual alert dependent on multiple event participants' estimated travel times.

As per claim 7, Kirsch in combination with Kim discloses the vehicle system of claim 6. Kirsch does not disclose wherein at least one of said set of conditions is based on said second user being one or more of a colleague of said first user, another meeting attendee, a meeting moderator, and a meeting invitee. Kim discloses, wherein at least one of said set of conditions is based on said second user being one or more of a colleague of said first user, another meeting attendee, a meeting moderator, and a meeting invitee (a user schedules a meeting and the estimated travel times (at least one of a set of conditions) are based on another event participant's travel time (second user being another meeting attendee); Paragraphs [0029], [0041]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the system of Kirsch with the teaching of Kim, because by doing so, the system of Kirsch would provide a contextual alert dependent on multiple event participants' estimated travel times.

As per claim 13, Kirsch discloses the method of claim 9. Kirsch does not disclose, wherein said smart alarm is provided to a second user. Kim discloses, wherein said smart alarm is provided to a second user (a conflict alert (smart alarm) is generated for notifying another event participant (a second user); Paragraph [0041]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the method of Kirsch with the teaching of Kim, because by doing so, the method of Kirsch would provide a contextual alert dependent on multiple event participants' estimated travel times.

As per claim 14, Kirsch discloses the method of claim 9. Kirsch does not disclose wherein said smart alarm is provided to a second user based on at least one of a set of conditions. Kim discloses, wherein said smart alarm is provided to a second user based on at least one of a set of conditions (a conflict alert (smart alarm) is generated for notifying another event participant (a second user) based on estimated travel times (at least one of a set of conditions); Paragraph [0041]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the method of Kirsch with the teaching of Kim, because by doing so, the method of Kirsch would provide a contextual alert dependent on multiple event participants' estimated travel times.

Claim 15 lacks an inventive step under PCT Article 33(3) as being obvious over Kirsch in view of Kim, and further in view of US 2012/0254804 A1 to SHEHA et al. (hereinafter 'Sheha').

As per claim 15, Kirsch in combination with Kim discloses the method of claim 14. Kirsch and Kim do not disclose wherein said condition is based on said second user being a colleague of said first user. Sheha discloses wherein said condition is based on said second user being a colleague of said first user (the personal wireless navigation system lists (said conditions) to user (a first user) content queries, including traffic alerts, next meeting alerts, including time and place, and partner (said second user being a colleague of said first user) defined events; Paragraphs [0849]-[0851]). It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to modify the method of Kirsch and Kim with the teaching of Sheha, because by doing so, the method of Kirsch and Kim would provide the integration of detected conditions from colleagues to share calendar information utilized for generating contextual alerts.

Claims 1-15 have industrial applicability as defined by PCT Article 33(4) because the subject matter can be made or used in industry.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: Tadd F. Wilson
 Sheridan Ross P.C.
 1560 Broadway, Suite 1200
 Denver, CO 80202
 United States of America

PCT

NOTIFICATION OF TRANSMITTAL OF
 THE INTERNATIONAL SEARCH REPORT AND
 THE WRITTEN OPINION OF THE INTERNATIONAL
 SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing
 (day/month/year)

15 SEP 2014

Applicant's or agent's file reference

6583-569-PCT

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.

PCT/US14/34125

International filing date
 (day/month/year)

15 April 2014 (15.04.2014)

Applicant

Flextronics AP, LLC

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

How? Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes
 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.
- ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45bis.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/
 Mail Stop PCT, Attn: ISA/US
 Commissioner for Patents
 P.O. Box 1450, Alexandria, Virginia 22313-1450
 Facsimile No. 571-273-3201

Authorized officer

Shane Thomas

PCT Helpdesk: 571-272-4300
 Telephone No. PCT OSP: 571-272-7774

Form PCT/ISA/220 (July 2014)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6583-569-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US14/34125	International filing date (<i>day/month/year</i>) 15 April 2014 (15.04.2014)	(Earliest) Priority Date (<i>day/month/year</i>) 15 April 2013 (15.04.2013)
Applicant Flextronics AP, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:



the international application in the language in which it was filed.



a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 20



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US14/34125

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H04N 7/18 (2014.01)

CPC - G06F 3/017

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8): H04N 7/18, G06F 3/048, G06F 3/0487 (2014.01)

CPC: G06F 3/017, G06F 3/0425, G01C 21/3664

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C,B, DE-A, DE-T, DE-U, GB-A, FR-A); espacenet; IP.com; IEEE;

Google/Google Scholar

KEYWORDS: gesture, recognition, car, airplane, complete, incomplete, audible, sound

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- A	US 2012/0105613 A1 (WENG, F et al.) 03 May 2012; paragraphs [0041], [0046], [0050].	1, 10, 11, 14, 15 ----- 2-9, 12, 13
A	US 2010/0125811 A1 (MOORE, B et al.) 20 May 2010; the entire document.	1-15
A	US 7295904 B2 (KANEVSKY, D et al.) 13 November 2007; the entire document.	1-15
A	US 2011/0291926 A1 (GOKTURK, S et al.) 01 December 2011; the entire document.	1-15
E, Y	US 2014/0169621 A1 (BURR, J) 19 June 2014; the entire document.	1-15

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

15 August 2014 (15.08.2014)

Date of mailing of the international search report

15 SEP 2014

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

Authorized officer:

Shane Thomas

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: Tadd F. Wilson
Sheridan Ross P.C.
1560 Broadway, Suite 1200
Denver, CO 80202
United States of America

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

15 SEP 2014

Applicant's or agent's file reference
6583-569-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/US14/34125

International filing date (day/month/year)

15 April 2014 (15.04.2014)

Priority date (day/month/year)

15 April 2013 (15.04.2013)

International Patent Classification (IPC) or both national classification and IPC

IPC(8) - H04N 7/18 (2014.01)

CPC - G06F 3/017

Applicant

Flextronics AP, LLC

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☒ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of completion of this opinion

15 August 2014 (15.08.2014)

Authorized officer:

Shane Thomas

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34125

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed.
 - ☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
 - ☐ on paper
 - ☐ in electronic form
 - b. (time)
 - ☐ in the international application as filed
 - ☐ together with the international application in electronic form
 - ☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

Form PCT/ISA/237 (Box No. I) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34125

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>2-9, 12, 13</u>	YES
	Claims	<u>1, 10, 11, 14, 15</u>	NO
Inventive step (IS)	Claims	<u>2-9, 12, 13</u>	YES
	Claims	<u>1, 10, 11, 14, 15</u>	NO
Industrial applicability (IA)	Claims	<u>1-15</u>	YES
	Claims	<u>NONE</u>	NO

2. Citations and explanations:

Claims 1, 10, 11, 14, 15 lack novelty under PCT Article 33(2) as being anticipated by US 2012/0105613 A1 to WENG et al. (hereinafter 'Weng').

As to Claim 1, Weng teaches a method for receiving a gesture in a conveyance, comprising: a vehicle control system (in-vehicle information and command entry may use a surface anywhere within the operator's proximity; paragraph [0041]), including a processor, receiving a gesture from a user (finger movements sensed by module 16 may be digitized, and these digitized movements are transmitted as an input to a gesture recognition module 18; Figure 2; paragraph [0046]); the vehicle control system identifying the received gesture (gesture recognition module 18 may determine which of the twenty-six letters or ten numerals is best represented by the movement made by the user's finger or hand; Figure 2; paragraph [0046]); the vehicle control system sending a verification of the received gesture to the user (gesture confirmation module 20 may seek and/or receive feedback from the user to confirm that the output of gesture recognition module 18 is correct; paragraph [0050]); the vehicle control system determining if a confirmation is received in response to the verification (confirmation module 20 may audibly ask the driver to "please re-write the previous entry; confirmation module 20 receives confirmation that it recognized the gesture correctly; paragraph [0050]); and if the confirmation is received, the vehicle control system controlling a function associated with the gesture (after receiving confirmation of correct recognition of the user's gesture, confirmation module 20 may then forward the recognized gesture to a vehicle system, such as navigation system 30, audio system 32 or HVAC system 34; Figure 1; paragraph [0050]).

As to Claim 10, Weng teaches the method of claim 1, further comprising: the vehicle control system receiving a denial of the verification (if the user did not write "defrost", then he may speak "no" or write "n" on surface 12; paragraph [0050]); and based on the denial, the vehicle control system not completing the function associated with the gesture (in response, confirmation module 20 may audibly ask the driver to "please re-write the previous entry". The cycle continues with gesturing capturing module 16 interpreting the user's gestures until confirmation module 20 receives confirmation that it recognized the gesture correctly; paragraph [0050]).

As to Claim 11, Weng teaches a conveyance comprising: a processor operable to execute one or more modules, the modules comprising: a gesture recognition module operable to: receive a gesture from a user (finger movements sensed by module 16 may be digitized, and these digitized movements are transmitted as an input to a gesture recognition module 18; Figure 1; paragraph [0046]); identify the received gesture (gesture recognition module 18 may determine which of the twenty-six letters or ten numerals is best represented by the movement made by the user's finger or hand; paragraph [0046]); a verification module operable to: send a verification of the received gesture to the user (gesture confirmation module 20 may seek and/or receive feedback from the user to confirm that the output of gesture recognition module 18 is correct; paragraph [0050]); determine if a confirmation is received in response to the verification (confirmation module 20 may audibly ask the driver to "please re-write the previous entry; confirmation module 20 receives confirmation that it recognized the gesture correctly; paragraph [0050]); and a function control module operable to, if the confirmation is received, control a function associated with the gesture (after receiving confirmation of correct recognition of the user's gesture, confirmation module 20 may then forward the recognized gesture to a vehicle system, such as navigation system 30, audio system 32 or HVAC system 34; Figure 1; paragraph [0050]).

As to Claim 14, Weng teaches the conveyance of claim 11, wherein the verification is one of an audible message presented to the user, a user interface message presented on a screen, or a preview of the function associated with the gesture (then confirmation module 20 may audibly ask the driver "Did you write 'defrost?'"; Figure 1; paragraph [0050]).

As to Claim 15, Weng teaches the conveyance of claim 11, wherein the confirmation is one of a second gesture, a selection of a user interface device on the screen, or an audible confirmation (In order to confirm that he did indeed say "defrost", the user may speak "yes", which may be received by a microphone 26 and may be input into confirmation module 20; Figure 1; paragraph [0050]).

-***-Continued Within the Next Supplemental Box-***-

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34125

Box No. VI Certain documents cited1. Certain published documents (Rules 43*bis*.1 and 70.10)

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
US 2014/0169621 A1	19/06/2014	13/12/2012	

2. Non-written disclosures (Rules 43*bis*.1 and 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)
_____	_____	_____

Form PCT/ISA/237 (Box No. VI) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34125

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

-Continued from Previous Supplemental Box--

Claim 2 meets the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest: if the confirmation is not received, the vehicle control system determining if the gesture should be completed; and if the gesture should be completed, the vehicle control system controlling the function associated with the gesture. In the closest prior art found, US 2010/0125811 A1 to MOORE et al. (hereinafter 'Moore') discloses, if the user types the characters "goo," the device may recommend going to the Google search engine as an action completion. Thereafter, activating hybrid purpose key 5063, by a finger tap gesture on key 5063, will cause the device to open a browsing module 147 and display a Web page for the Google search engine; Figure 5G; paragraph [0187]. However, the prior art fails to disclose the limitations as discussed above, since it waits for user's tap before opening Google.

Claims 3-9 also meet the criteria set out in PCT Article 33(2)-(3), because they depend upon Claim 2.

Claim 12 meets the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest: the conveyance of claim 11, wherein the verification module further operable to, if the confirmation is not received, determine if the gesture should be completed. In the closest prior art found, Moore, discloses if the user types the characters "goo," the device may recommend going to the Google search engine as an action completion. Thereafter, activating hybrid purpose key 5063, by a finger tap gesture on key 5063, will cause the device to open a browsing module 147 and display a Web page for the Google search engine; paragraph [0187]. However, the prior art fails to disclose the limitations as discussed above, since it waits for user's tap before opening Google.

Claim 13 also meets the criteria set out in PCT Article 33(2)-(3), because it depends upon Claim 12.

Claims 1-15 have industrial applicability as defined by PCT Article 33(4) because the subject matter can be made or used in industry.

Form PCT/ISA/237 (Supplemental Box) (July 2011)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: Tadd F. Wilson
 Sheridan Ross P.C.
 1560 Broadway, Suite 1200
 Denver, CO 80202
 United States of America

PCT

NOTIFICATION OF TRANSMITTAL OF
 THE INTERNATIONAL SEARCH REPORT AND
 THE WRITTEN OPINION OF THE INTERNATIONAL
 SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing
 (day/month/year)

15 SEP 2014

Applicant's or agent's file reference

6583-574-PCT

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.

PCT/US14/34254

International filing date
 (day/month/year)

15 April 2014 (15.04.2014)

Applicant

FLEXTRONICS AP, LLC

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

How? Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes
 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Reminders**

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45bis.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/
 Mail Stop PCT, Attn: ISA/US
 Commissioner for Patents
 P.O. Box 1450, Alexandria, Virginia 22313-1450
 Facsimile No. 571-273-3201

Authorized officer

Shane Thomas

PCT Helpdesk: 571-272-4300
 Telephone No. PCT OSP: 571-272-7774

Form PCT/ISA/220 (July 2014)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6583-574-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US14/34254	International filing date (<i>day/month/year</i>) 15 April 2014 (15.04.2014)	(Earliest) Priority Date (<i>day/month/year</i>) 15 April 2013 (15.04.2013)
Applicant FLEXTRONICS AP, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

☒ the international application in the language in which it was filed.

☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

CENTRAL NETWORK FOR AUTOMATED CONTROL OF VEHICULAR TRAFFIC

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 20A

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☒ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US14/34254

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

Methods and systems for a traffic control system provide arrangements and processes for managing automated vehicles. The traffic control system can register vehicles and then control the operation of the vehicles through a section of roadway. The automated control includes the communication of directions and other messages that ensure the proper function of the vehicle while under the guidance of the traffic control system.

Form PCT/ISA/210 (continuation of first sheet (3)) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US14/34254

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G08G 1/0968; G01C 21/20; G05D 1/02 (2014.01) CPC - G08G 1/0125, 1/164; G05D 1/0088 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC(8) Classification(s): G06F 3/0484; G01C 21/26, 21/20; G08G 1/0968, 1/133, 1/09; G05D 1/02 (2014.01) CPC Classification(s): G08G 1/0125, 1/164; G05D 1/0088 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C, B, DE-A, DE-T, DE-U, GB-A, FR-A); ProQuest; IEEE/IEEExplore; Google/Google Scholar; KEYWORDS: automate, control, vehicular, traffic, server, message		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008/0161986 A1 (BREED, D) 03 July 2008; Figures 5, 27; Paragraphs [0032], [0334], [0355], [0375], [0407], [0418], [0435], [0487], [0492], [0593].	1-15
A	US 2010/0125387 A1 (SEHYUN, P et al.) 20 May 2010; entire document.	1-15
A	US 2009/0125174 A1 (DELEAN, B) 14 May 2009; entire document.	1-15
☐ Further documents are listed in the continuation of Box C. ☐		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 12 August 2014 (12.08.2014)		Date of mailing of the international search report 15 SEP 2014
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Shane Thomas PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: Tadd F. Wilson
Sheridan Ross P.C.
1560 Broadway, Suite 1200
Denver, CO 80202
United States of America

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

15 SEP 2014

Applicant's or agent's file reference
6583-574-PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/US14/34254

International filing date (day/month/year)

15 April 2014 (15.04.2014)

Priority date (day/month/year)

15 April 2013 (15.04.2013)

International Patent Classification (IPC) or both national classification and IPC

IPC(8) - G08G 1/0968; G01C 21/20; G05D 1/02 (2014.01)

CPC - G08G 1/0125, 1/164; G05D 1/0088

Applicant FLEXTRONICS AP, LLC

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☒ Box No. VII Certain defects in the international application
- ☒ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of completion of this opinion

12 August 2014 (12.08.2014)

Authorized officer:

Shane Thomas

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/237 (cover sheet) (July 2011)

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US14/34254

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:

the international application in the language in which it was filed.



a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:

a. (means)



on paper



in electronic form

b. (time)



in the international application as filed



together with the international application in electronic form



subsequently to this Authority for the purposes of search

4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

5. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34254

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																								
1. Statement	<table border="0"> <tr> <td align="center">Novelty (N)</td> <td align="center">Claims</td> <td align="center">NONE</td> <td align="center">YES</td> </tr> <tr> <td></td> <td align="center">Claims</td> <td align="center">1-15</td> <td align="center">NO</td> </tr> <tr> <td align="center">Inventive step (IS)</td> <td align="center">Claims</td> <td align="center">NONE</td> <td align="center">YES</td> </tr> <tr> <td></td> <td align="center">Claims</td> <td align="center">1-15</td> <td align="center">NO</td> </tr> <tr> <td align="center">Industrial applicability (IA)</td> <td align="center">Claims</td> <td align="center">1-15</td> <td align="center">YES</td> </tr> <tr> <td></td> <td align="center">Claims</td> <td align="center">NONE</td> <td align="center">NO</td> </tr> </table>	Novelty (N)	Claims	NONE	YES		Claims	1-15	NO	Inventive step (IS)	Claims	NONE	YES		Claims	1-15	NO	Industrial applicability (IA)	Claims	1-15	YES		Claims	NONE	NO
Novelty (N)	Claims	NONE	YES																						
	Claims	1-15	NO																						
Inventive step (IS)	Claims	NONE	YES																						
	Claims	1-15	NO																						
Industrial applicability (IA)	Claims	1-15	YES																						
	Claims	NONE	NO																						
2. Citations and explanations:	<p>Claims 1-15 lack novelty under PCT Article 33(2) as being anticipated by US 2008/0161986 A1 (BREED).</p> <p>As per claim 1, Breed discloses a method for controlling a vehicle (enabling autonomous vehicle travel; Abstract), comprising: a control server, including a processor and associated with a traffic control system (a network server of a central data facility 300 (control server) including a microprocessor that communicates with traffic control devices controlled collectively to convey instructions for vehicular control (a traffic control system); Figures 5, 27; Paragraphs [0281], [0375], [0407], [0492]), receiving a registration of a vehicle (identifying the vehicle by a code based on the vehicle ID (a registration); Paragraph [0355]); the control server receiving travel information from the vehicle (information received by the network server (the control server) from the vehicle includes a picture to be interpreted for map updating (travel information); Paragraph [0375]); the control server determining a control arrangement for the vehicle (the central server checks a potential route and repeats the process based on GPS coordinates, road network sensors, and feedback from the driver; Paragraphs [0418], [0593]); and the control server sending a control message to control the vehicle in the traffic control system (the central server generates instructions to send to the vehicle for autonomous operation of the vehicle (a control message to control the vehicle) traveling in dedicated lanes with the surrounding traffic control devices (the traffic control system); Paragraphs [0435], [0487]).</p> <p>As per claim 2, Breed discloses the method of claim 1. Breed additionally discloses, wherein the vehicle automatically, without driver input, follows instructions in the control message (the generated instructions sent to the vehicle allow the vehicle to be operated autonomously (without driver input) by converting the received instructions into operational commands (vehicle automatically follows instructions in the control message); Paragraph [0435]).</p> <p>As per claim 3, Breed discloses the method of claim 2. Breed additionally discloses, wherein the travel information includes a current location and a destination (information transmitted from the vehicle (travel information) includes data about its location and destination of the vehicle; Figure 20; Paragraphs [0201], [0202]).</p> <p>As per claim 4, Breed discloses the method of claim 3. Breed additionally discloses, wherein the control arrangement includes a speed and a position within traffic to which the vehicle must adhere (the information required for control of the vehicle (control arrangement) includes the local speed limit and restricted points of interest based on position of the vehicle and traffic information (a speed and a position within traffic to which the vehicle must adhere); Paragraph [0360]).</p> <p>As per claim 5, Breed discloses the method of claim 4. Breed additionally discloses, wherein the vehicle generates a route based on the control arrangement (the vehicle resident system determines an alternate route the vehicle should take based on road conditions and traffic information (generates a route based on the control arrangement); Paragraph [0418]).</p> <p>As per claim 6, Breed discloses the method of claim 5. Breed additionally discloses, wherein the vehicle follows the route automatically without driver input (the autonomous operation of the vehicle (without driver input) is arranged as the vehicle is controlled based on data about its travel lanes; Paragraph [0279]).</p> <p>As per claim 7, Breed discloses the method of claim 6. Breed additionally discloses, wherein the control server sends a second control message to change a behavior of the vehicle (the central server (control server) informs vehicles of an emergency (a second control message) signaling to and controlling vehicles approaching an emergency to reduce vehicle speed (change a behavior of the vehicle); Paragraphs [0356], [0358]).</p> <p>As per claim 8, Breed discloses the method of claim 7. Breed additionally discloses, wherein the second control message instructs the vehicle to exit from a roadway (while informing vehicles of an emergency (the second control message), the system guides the vehicle to leave the roadway when its speed is below a certain level (instructs the vehicle to exit from a roadway); Paragraph [0077]).</p> <p>As per claim 9, Breed discloses the method of claim 8. Breed additionally discloses, wherein the control message includes a lane designation (the instructions generated (control message) optimize usage of dedicated lanes; Paragraph [0435]).</p> <p align="center">-***-Continued Within the Next Supplemental Box-***-</p>																								

Form PCT/ISA/237 (Box No. V) (July 2011)

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34254

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

Claims 8 and 13 are objected to under PCT Rule 66.2(a)(iii) as containing the following defects in the form or contents thereof: Claims 8 and 13, in line 1 and in lines 2-3, respectively, recite "message is instructs the vehicle". As best understood, this is considered to be a typographical error and will be interpreted as "message instructs the vehicle".

Claim 10 is objected to under PCT Rule 66.2(a)(iii) as containing the following defects in the form or contents thereof: Claim 10, in lines 1-2, recites "a second the control message". As best understood, this is considered to be a typographical error and will be interpreted as "a second control message".

Form PCT/ISA/237 (Box No. VII) (July 2011)

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US14/34254

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claims 4 and 14 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claims 4 and 14 are indefinite for the following reason(s): Claims 4 and 14 refer to "the control information" in line 1. There is a lack of antecedent basis for these limitations in these claims. As best understood, the limitation is interpreted to read "the control arrangement".

Claims 8 and 13 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claims 8 and 13 are indefinite for the following reason(s): Claims 8 and 13 refer to "the second message" in line 1 and line 2, respectively. There is a lack of antecedent basis for these limitations in these claims. As best understood, the limitation is interpreted to read "the second control message".

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US14/34254

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

-Continued from Previous Supplemental Box-

As per claim 10, Breed discloses the method of claim 9. Breed additionally discloses, wherein a second vehicle receives a second control message (the emergency data transfers signals to another vehicle approaching the emergency to reduce vehicle speed (a second vehicle receives a second control message); Paragraph [0358]), wherein the second control message is different from the control message sent to the vehicle (which differs from the control message sent to the vehicle during normal autonomous operation which includes acceleration (different from the control message sent to the vehicle); Paragraph [0435]).

As per claim 11, Breed discloses a control server associated with a traffic control system (a central data and storage facility 300 (a control server) that communicates with traffic control devices controlled collectively to convey instructions for vehicular control (a traffic control system); Figure 27; Paragraphs [0281], [0375], [0407]) comprising: a processor operable to execute one or more modules (a processor or controller performs various operations (execute one or more modules); Figure 5; Paragraphs [0032], [0492]), the modules comprising: a registration module operable to: receive a registration of a vehicle (a receiver that rectifies bits (a registration module) from a 64 bit code transmitted by the vehicle that includes the vehicle identification number (a registration of a vehicle); Paragraph [0334]); a traffic control module operable to: receive travel information from the vehicle (a communications entity, or network server (traffic control module), receives from the vehicle a picture to be interpreted for map updating (travel information from the vehicle); Paragraph [0375]); determine a control arrangement for the vehicle (the server determines a route based on GPS coordinates and checking road network sensors (a control arrangement for the vehicle); Paragraphs [0418], [0593]); and send a control message to control the vehicle in the traffic control system (the central data facility server generates instructions to send to the vehicle for autonomous operation of the vehicle (a control message to control the vehicle) traveling in dedicated lanes with surrounding traffic control devices (the traffic control system); Paragraphs [0435], [0487]).

As per claim 12, Breed discloses the control server of claim 11. Breed additionally discloses, wherein the vehicle generates a route based on the control arrangement (the vehicle resident system determines an alternate route the vehicle should take based on road conditions and traffic information (generates a route based on the control arrangement); Paragraph [0418]), and wherein the vehicle follows the route automatically without driver input (the autonomous operation of the vehicle (without driver input) is arranged as the vehicle is controlled based on data about travel lanes (the vehicle follows the route automatically); Paragraph [0279]).

As per claim 13, Breed discloses the control server of claim 12. Breed additionally discloses, wherein the control server sends a second control message to change a behavior of the vehicle (the central server (control server) informs the vehicles of an emergency (a second control message) that signals to and controls vehicles approaching an emergency to reduce vehicle speed (change a behavior of the vehicle); Paragraphs [0356], [0358]), and wherein the second control message instructs the vehicle to exit from a roadway (a vehicle is guided to leave the roadway when its speed is below a certain level (the second control message instructs the vehicle to exit from a roadway); Paragraph [0077]).

As per claim 14, Breed discloses the control server of claim 13. Breed additionally discloses, wherein the control arrangement includes one or more of a lane, a speed, and a position within traffic to which the vehicle must adhere (the information required for control of the vehicle (control arrangement) includes the local speed limit (a speed within traffic to which the vehicle must adhere); Paragraph [0360]).

As per claim 15, Breed discloses the control server of claim 14. Breed additionally discloses, wherein the travel information includes a current location and a destination (information transmitted from the vehicle (travel information) includes data about its location and destination of the vehicle; Figure 20; Paragraphs [0201], [0202]).

Claims 1-15 have industrial applicability as defined by PCT Article 33(4) because the subject matter can be made or used in industry.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,729	04/15/2014	Christopher P. Ricci	6583-555	8377
111285	7590	11/19/2014	EXAMINER	
Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202			DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			11/19/2014	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):

flexpatents@sheridanross.com
edocket@sheridanross.com

Office Action Summary	Application No. 14/253,729	Applicant(s) RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN	Art Unit 3663	AIA (First Inventor to File) Status Yes

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 4/15/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ 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.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) _____ is/are allowed.
- 7) ☒ Claim(s) 1-20 is/are rejected.
- 8) ☐ Claim(s) _____ is/are objected to.
- 9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, 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.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 4/15/2014 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) ☒ Notice of References Cited (PTO-892) | 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date _____ | 4) ☐ Other: _____ |

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Claim Rejections - 35 USC § 102

2. 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 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.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(2) the claimed invention was described in a patent issued under section 151, or in an application for patent published or deemed published under section 122(b), in which the patent or application, as the case may be, names another inventor and was effectively filed before the effective filing date of the claimed invention.

4. **Claims 1 – 6, 11 – 13 and 16 – 18 are rejected under 35 U.S.C. 102(a)(2) as being anticipated by Link II, et al., (20130116882).**

5. (Claims 1, 11 and 16): Link discloses a method for providing navigation information for a conveyance, comprising: a vehicle control system, including a processor, determining an origin location (figs. 1 and 9; [0024]); the vehicle control system determining two or more destination locations ([0057]); the vehicle control system determining a timeframe for the route (fig. 3; [0062]); and the vehicle control

Art Unit: 3663

system generating a best route to the two or more destinations in the timeframe (fig. 10; [0062]; [0096 – 0097]).

6. (Claims 2 – 4, 12 and 17): Link discloses a method for providing navigation information for a conveyance, wherein the timeframe is an amount of time available to a user to travel the route, wherein the best route includes a return to the origin location, and wherein the user provide the amount of time available (fig. 3; [0062]; [0096 – 0097]).

7. (Claims 5 – 6, 13 and 18): Link discloses a method for providing navigation information for a conveyance, wherein the route suggestion module accesses preference data in a user profile to determine preferred routes, wherein the best route is a preferred route (fig. 3; [0052]; [0055 - 0056]).

Claim Rejections - 35 USC § 103

8. 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 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.

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

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claims 7 – 8, 14 and 19 are rejected under 35 U.S.C. 103 as being unpatentable over Link II, et al., (20130116882) as applied to claims 1, 11 and 16 above, and further in view of Seltzer et al., (20090210143).

11. (Claims 7 – 8, 14 and 19): Link discloses a method for providing navigation information for a conveyance, comprising: a vehicle control system, including a processor, determining an origin location (figs. 1 and 9; [0024]); the vehicle control system determining two or more destination locations ([0057]). Link does not explicitly teach a user profile that avoids specific locations. However, in a related invention, Seltzer teaches a route based activity planner, wherein the user profile includes a first location that should be avoided, and wherein the best route avoids the first location ([0003]; [0027]; [0063]). It would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention to modify Link to store in a user's profile, specific known trouble areas to avoid, as a very desirable feature in modern navigation systems.

12. Claims 9 – 10, 15 and 20 are rejected under 35 U.S.C. 103 as being unpatentable over Link II, et al., (20130116882) as applied to claims 1, 11 and 16 above, and further in view of Seltzer et al., (20090210143) and in further view of Sumizawa (20110077855).

13. (Claims 9 – 10, 15 and 20): Link discloses a method for providing navigation information for a conveyance, comprising: a vehicle control system, including a processor, determining an origin location (figs. 1, 3 and 9; [0024]); the vehicle control system determining two or more destination locations ([0057]). Seltzer teaches a route

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based activity planner, wherein the user profile includes a first location that should be avoided, and wherein the best route avoids the first location ([0003]; [0027]; [0063]).

Link and Seltzer do not explicitly teach a first location being an area between the original location and a destination. However, in a related inventions Sumizawa teaches a navigation system, wherein the first location is an area between the origin location and at least one destination (abstract; figs. 3 - 4; [0066]). (Note: The feature of an address in a user profile is taught in Link's fig. 3). It would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention to modify Link to use an area instead of a single location, as a very desirable feature in modern navigation systems.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please refer to form 892 for cited references.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALEX C. DUNN whose telephone number is (571)270-5323. The examiner can normally be reached on Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Tarcza can be reached on 26979. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3663

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). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ALEX C. DUNN
Examiner, Art Unit 3663

/THOMAS TARCZA/
Supervisory Patent Examiner, Art Unit 3663n

Notice of References Cited	Application/Control No. 14/253,729		Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN		Art Unit 3663	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2002/0026278 A1	02-2002	Feldman et al.	701/117
*	B	US-6,356,838 B1	03-2002	Paul, Sunil	701/410
*	C	US-2009/0210143 A1	08-2009	Seltzer et al.	701/200
*	D	US-2009/0222200 A1	09-2009	LINK et al.	701/202
*	E	US-2011/0077855 A1	03-2011	SUMIZAWA, Akio	701/201
*	F	US-8,233,919 B2	07-2012	Haag et al.	455/456.3
*	G	US-2013/0116882 A1	05-2013	Link et al.	701/31.4
*	H	US-8,634,984 B2	01-2014	Sumizawa, Akio	701/31.4
*	I	US-8,793,065 B2	07-2014	Seltzer et al.	701/400
*	J	US-8,798,918 B2	08-2014	Onishi et al.	701/420
*	K	US-2014/0278071 A1	09-2014	SAN FILIPPO et al.	701/465
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,405	04/15/2014	Christopher P. Ricci	6583-567	8768
111285	7590	11/18/2014	EXAMINER	
Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202			DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			11/18/2014	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):

flexpatents@sheridanross.com
edocket@sheridanross.com

Office Action Summary	Application No. 14/253,405	Applicant(s) RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN	Art Unit 3663	AIA (First Inventor to File) Status Yes

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 4/15/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ 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.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-20 is/are rejected.
- 8) ☐ Claim(s) ____ is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, 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.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 4/15/2014 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date ____.
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 4) ☐ Other: ____.

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Claim Rejections - 35 USC § 102

2. 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 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.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

4. **Claims 1 – 20 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Protopapas et al., (20120254763).**

5. (Claims 1 - 2, 9 - 10 and 17 - 18): Protopapas discloses a vehicle system comprising: a vehicle (abstract; [0006]); a vehicle control system coupled to said vehicle and a communications unit coupled to said vehicle control system [0027]), wherein said vehicle control system synchronizes a calendar with said vehicle control system and generates a notice for a first user based on an event in said calendar and a supplemental factor (figs. 3A – 3C, 9; [0044]).

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6. (Claims 3, 11 and 19): Protopapas discloses a vehicle system, wherein said supplemental factor is based on an amount of traffic from a departure point to an arrival point (figs 3A – 3B; [0003]; [0094]).
7. (Claims 4, 12 and 20): Protopapas discloses a vehicle system, wherein said supplemental factor is based on an amount of time required for said first user to arrive at said vehicle from a departure site (fig. 3C; [0003]; [0005]).
8. (Claims 5 - 6 and 13 - 14): Protopapas discloses a vehicle system, wherein said notice is provided to a second user (figs. 4A – 4C and 9; [0003]; [0030]).
9. (Claims 7 and 15): Protopapas discloses a vehicle system, wherein at least one of said set of conditions is based on said second user being one or more of a colleague of said first user, another meeting attendee, a meeting moderator, and a meeting invitee (fig. 9.; [0050]).
10. (Claims 8 and 16): Protopapas discloses a vehicle system, wherein said communications unit is one or more of a sensor, transceiver, or transmitter (fig. 1; [0029]).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please refer to form 892 for cited references.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALEX C. DUNN whose telephone number is (571)270-5323. The examiner can normally be reached on Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Tarcza can be reached on 26979. 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). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ALEX C. DUNN
Examiner, Art Unit 3663

/THOMAS TARCZA/
Supervisory Patent Examiner, Art Unit 3663

Notice of References Cited	Application/Control No. 14/253,405		Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN		Art Unit 3663	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2006/0058948 A1	03-2006	Blass et al.	701/207
*	B	US-2008/0086455 A1	04-2008	Meisels et al.	707/3
*	C	US-2010/0136944 A1	06-2010	Taylor et al.	455/404.1
*	D	US-2010/0306309 A1	12-2010	Santori et al.	709/203
*	E	US-2011/0257973 A1	10-2011	Chutorash et al.	704/235
*	F	US-2012/0197523 A1	08-2012	Kirsch, David M.	701/426
*	G	US-2012/0254763 A1	10-2012	Protopapas et al.	715/738
*	H	US-8,442,758 B1	05-2013	Rovik et al.	701/424
*	I	US-2013/0218445 A1	08-2013	Basir, Otman A.	701/117
*	J	US-2013/0295913 A1	11-2013	Matthews et al.	455/420
*	K	US-8,825,362 B2	09-2014	Kirsch, David M.	701/430
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	WO 2012102879 A1	08-2012	World Intellect	KIRSCH D M	
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,838	04/15/2014	Christopher P. Ricci	6583-574	3352

111285 7590 11/20/2014
Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202

EXAMINER

ISMAIL, MAHMOUD S

ART UNIT	PAPER NUMBER
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3662

NOTIFICATION DATE	DELIVERY MODE
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11/20/2014

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):

flexpatents@sheridanross.com
edocket@sheridanross.com

Office Action Summary	Application No. 14/253,838	Applicant(s) RICCI ET AL.	
	Examiner MAHMOUD ISMAIL	Art Unit 3662	AIA (First Inventor to File) Status Yes

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04/15/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ 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.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) _____ is/are allowed.
- 7) ☒ Claim(s) 1-20 is/are rejected.
- 8) ☐ Claim(s) _____ is/are objected to.
- 9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, 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.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 04/15/2014 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) ☒ Notice of References Cited (PTO-892) | 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date _____ | 4) ☐ Other: _____ |

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DETAILED ACTION

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.
2. Claims 1-20 are pending in Instant Application.

Priority

3. Examiner acknowledges Applicant's claim to priority benefits of 61/811,981, 61/865,954, 61/870,698, 61/891,217, 61/904,205, 61/924,572, and 61/926,749 filed 04/15/2013, 08/14/2013, 08/27/2013, 10/15/2013, 11/14/2013, 01/07/2014, and 01/13/2014.

Claim Objections

4. Claim 10 is objected to because of the following informalities: The claim recites "a second the control message". Examiner believes this is a typographical error. Appropriate correction is required.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

5. Claims 17-20 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.
6. As per claims 17-20, the claims are being rejected in view of the **OG Notice on Subject Matter Eligibility of Computer Readable Media** posted on USPTO's

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website on 1/28/2010. It is being reproduced partially below to maintain a clear record:

"The broadest reasonable interpretation of a claim drawn to a **computer readable medium** (also called machine readable medium and other such variations) typically **covers forms of non-transitory tangible media and transitory propagating signals** *per se* in view of the ordinary and customary meaning of computer readable media, particularly when the specification is silent. See MPEP 2111.01. When the broadest reasonable interpretation of a claim covers a signal *per se*, the claim must be rejected under 35 U.S.C. § 101 as covering non-statutory subject matter. []]

In an effort to assist the patent community in overcoming a rejection or potential rejection under 35 U.S.C. § 101 in this situation, the USPTO suggests the following approach. A claim drawn to such a computer readable medium that covers both transitory and non-transitory embodiments may be amended to narrow the claim to cover only statutory embodiments to avoid a rejection under 35 U.S.C. § 101 by adding the limitation "non-transitory" to the claim."

The claimed invention in claims 17-20 recite in line 1 "...computer readable medium..." and given that the specification is silent on not containing a transitory propagating signal as explained above in the OG Notice clearly medium by definition incorporates a transitory propagating signal and makes claims 17-20 non-statutory under USC 101.

Claim Rejections - 35 USC § 112

7. The following is a quotation of 35 U.S.C. 112(b):

(b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

8. Claims 4-15, and 17-20 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.
9. Claim 4 recites the limitation "the control information" in line 1. There is insufficient antecedent basis for this limitation in the claim.

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10. Claim 8 recites the limitation "the second message" in line 1. There is insufficient antecedent basis for this limitation in the claim.
11. Claim 13 recites the limitation "the second message" in line 1. There is insufficient antecedent basis for this limitation in the claim.
12. Claim 14 recites the limitation "the control information" in line 1. There is insufficient antecedent basis for this limitation in the claim.
13. Claim 17 recites the limitation "the computer readable medium" in line 1. There is insufficient antecedent basis for this limitation in the claim.
14. Claim 18 recites the limitation "the computer readable medium" in line 1 and "the second message" in lines 2-3. There are insufficient antecedent basis for these limitations in the claim.
15. Claim 19 recites the limitation "the computer readable medium" in line 1 and "the control information" in lines 1-2. There are insufficient antecedent basis for these limitations in the claim.
16. Claim 20 recites the limitation "the computer readable medium" in line 1. There is insufficient antecedent basis for this limitation in the claim.
17. Regarding claim 11, claim element "a registration module operable to..." and "a traffic control module operable to..." are limitations that invoke 35 U.S.C. 112(f) or 35 U.S.C. 112 (pre-AIA), sixth paragraph. However, the written description fails to disclose the corresponding structure, material, or acts for the claimed function. However the specification does not show how these units are implemented in terms of hardware and detailed algorithm. The specification does not clearly associate

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circuits and corresponding detailed algorithm with corresponding hardware for claim element reciting element "a registration module operable to..." and "a traffic control module operable to..." in claim 11.

Applicant may:

- (a) Amend the claim so that the claim limitation will no longer be interpreted as a limitation under 35 U.S.C. 112(f) or 35 U.S.C. 112 (pre-AIA), sixth paragraph; or
- (b) Amend the written description of the specification such that it expressly recites what structure, material, or acts perform the claimed function, without introducing any new matter (35 U.S.C. 132(a)).

If applicant is of the opinion that the written description of the specification already implicitly or inherently discloses the corresponding structure, material, or acts so that one of ordinary skill in the art would recognize what structure, material, or acts perform the claimed function, applicant should clarify the record by either:

- (a) Amending the written description of the specification such that it expressly recites the corresponding structure, material, or acts for performing the claimed function and clearly links or associates the structure, material, or acts to the claimed function, without introducing any new matter (35 U.S.C. 132(a)); or
- (b) Stating on the record what the corresponding structure, material, or acts, which are implicitly or inherently set forth in the written description of the specification, perform the claimed function. For more information, see 37 CFR 1.75(d) and MPEP §§ 608.01(o) and 2181.

The above cited rejections are merely exemplary.

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The Applicant(s) are respectfully requested to correct all similar errors.

Claims not specifically mentioned are rejected by virtue of their dependency.

Claim Rejections - 35 USC § 102

18. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(2) the claimed invention was described in a patent issued under section 151, or in an application for patent published or deemed published under section 122(b), in which the patent or application, as the case may be, names another inventor and was effectively filed before the effective filing date of the claimed invention.

19. Claims 1-20 are rejected under 35 U.S.C. 102(a)(2) as being anticipated by Breed (USPGPub 2008/0161986).

As per claim 1, Breed discloses a method for controlling a vehicle, comprising:
a control server, including a processor and associated with a traffic control system **(see at least paragraph 0032; wherein there are disclosed several processors or controllers)**, that perform various control operations, receiving a registration of a vehicle **(see at least paragraph 0333-0334; wherein the particular code transmitted by a particular vehicle should be unique.**
Generally, the vehicle will transmit its code repetitively with a variable or fixed spacing between transmissions. The information which the vehicle wishes to transmit is encoded using the vehicle's code by any of a number of different techniques including phase modulation of distance or time between code transmissions, phase or amplitude modulation of the code sequences themselves, changes of the polarity of the entire code sequence or the

individual code segments, or bandwidth modulation of the code sequence.

Other coding technologies would also be applicable and this invention is not limited to any particular coding method...For example, a vehicle can have a 64 bit code which can be a combination of a vehicle identification number and the GPS coordinates of the vehicle location. The vehicle would continuously transmit this 64 bit code using frequencies within the selected band);

the control server receiving travel information from the vehicle (see at least paragraph 0201; wherein FIG. 20 shows a schematic of the operation of a communication and/or information transmission system and method in accordance with the invention. Transmitters are provided, for example at fixed locations and/or in vehicles or other moving objects, and data about each transmitter, such as its location and an identification marker, is generated at 240. The location of the transmitter is preferably its GPS coordinates as determined, for example, by a GPS-based position determining system (although other position determining systems can alternatively or additionally be used). The data may include, when the transmitter is a moving vehicle, the velocity, speed, the direction of travel, the estimated travel path and the destination of the vehicle. The data is encoded at 242 using coding techniques such as those described above, e.g., phase modulation of distance or time between code transmissions, phase or amplitude modulation of the code sequences themselves, changes of the polarity of the entire code sequence or the individual code segments, or bandwidth modulation of the code sequence.

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The coded data is transmitted at 244 using, e.g., noise or pseudo-noise radar);

the control server determining a control arrangement for the vehicle **(see at least paragraph 0435; wherein data facility 300 could also function as a supervisory vehicle travel management system as described above in section 6.0. In this case, it would use some or all of the information available to it about the traveling of the vehicles, in particular, on dedicated lanes, and be programmed to generate instructions for each vehicle able to communicate with the data facility 300 to direct the movement of the vehicle. This would constitute autonomous operation of the vehicle since the vehicle would be provided with a control system which is capable of converting the instructions received from the data facility 300 into operational commands, e.g., steering commands, acceleration and braking commands, etc. Data facility 300 would generate such instructions to maximize the speed of travel on the dedicated lanes, prevent collisions between vehicles in the dedicated lanes and minimize the distance between adjacent vehicles in order to maximize usage of the dedicated lanes); and**

the control server sending a control message to control the vehicle in the traffic control system **(see at least paragraph 0435; wherein data facility 300 could also function as a supervisory vehicle travel management system as described above in section 6.0. In this case, it would use some or all of the information available to it about the traveling of the vehicles, in particular, on dedicated lanes, and be programmed to generate instructions for each vehicle able to**

communicate with the data facility 300 to direct the movement of the vehicle. This would constitute autonomous operation of the vehicle since the vehicle would be provided with a control system which is capable of converting the instructions received from the data facility 300 into operational commands, e.g., steering commands, acceleration and braking commands, etc. Data facility 300 would generate such instructions to maximize the speed of travel on the dedicated lanes, prevent collisions between vehicles in the dedicated lanes and minimize the distance between adjacent vehicles in order to maximize usage of the dedicated lanes).

As per claim 2, Breed further discloses wherein the vehicle automatically, without driver input, follows instructions in the control message (see at least paragraph 0435; wherein data facility 300 could also function as a supervisory vehicle travel management system as described above in section 6.0. In this case, it would use some or all of the information available to it about the traveling of the vehicles, in particular, on dedicated lanes, and be programmed to generate instructions for each vehicle able to communicate with the data facility 300 to direct the movement of the vehicle. This would constitute autonomous operation of the vehicle since the vehicle would be provided with a control system which is capable of converting the instructions received from the data facility 300 into operational commands, e.g., steering commands, acceleration and braking commands, etc. Data facility 300 would generate such instructions to maximize the speed of travel on the dedicated lanes,

prevent collisions between vehicles in the dedicated lanes and minimize the distance between adjacent vehicles in order to maximize usage of the dedicated lanes).

As per claim 3, Breed further discloses wherein the travel information includes a current location and a destination (see at least paragraph 0201; wherein FIG. 20 shows a schematic of the operation of a communication and/or information transmission system and method in accordance with the invention.

Transmitters are provided, for example at fixed locations and/or in vehicles or other moving objects, and data about each transmitter, such as its location and an identification marker, is generated at 240. The location of the transmitter is preferably its GPS coordinates as determined, for example, by a GPS-based position determining system (although other position determining systems can alternatively or additionally be used). The data may include, when the transmitter is a moving vehicle, the velocity, speed, the direction of travel, the estimated travel path and the destination of the vehicle. The data is encoded at 242 using coding techniques such as those described above, e.g., phase modulation of distance or time between code transmissions, phase or amplitude modulation of the code sequences themselves, changes of the polarity of the entire code sequence or the individual code segments, or bandwidth modulation of the code sequence. The coded data is transmitted at 244 using, e.g., noise or pseudo-noise radar).

As per claim 4, Breed further discloses wherein the control information includes a speed and a position within traffic to which the vehicle must adhere (**see at least paragraph 0435; wherein data facility 300 could also function as a supervisory vehicle travel management system as described above in section 6.0. In this case, it would use some or all of the information available to it about the traveling of the vehicles, in particular, on dedicated lanes, and be programmed to generate instructions for each vehicle able to communicate with the data facility 300 to direct the movement of the vehicle. This would constitute autonomous operation of the vehicle since the vehicle would be provided with a control system which is capable of converting the instructions received from the data facility 300 into operational commands, e.g., steering commands, acceleration and braking commands, etc. Data facility 300 would generate such instructions to maximize the speed of travel on the dedicated lanes, prevent collisions between vehicles in the dedicated lanes and minimize the distance between adjacent vehicles in order to maximize usage of the dedicated lanes**).

As per claim 5, Breed further discloses wherein the vehicle generates a route based on the control arrangement (**see at least paragraph 0418; wherein the determination of a route that a vehicle should take to go from its present location to its destination can be accomplished using a vehicle-resident system. A central server can be used to derive the GPS coordinates of the destination if it is not known based on its address, phone number or other**

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identifying information. Once the route has been selected, the network can be checked to see if there is any congestion, tie-ups or other problems along the route and if so, then the driver can be asked as to whether the system should choose an alternate route and the process repeated).

As per claim 6, Breed further discloses wherein the vehicle follows the route automatically without driver input (see at least paragraph 0588; wherein since the road conditions will now be known to the system, an enhanced RtZF.RTM. system will be able to advise an operator not to travel or, alternately, it can pick an alternate route if certain roads have accidents or have iced over, for example. Some people may decide not drive if there is bad weather or congestion. The important point here is that sensors will be available to sense the road condition as to both traffic and weather, this information will be available automatically and not require reporting from weather stations which usually have only late and inaccurate information. Additionally, pricing for the use of certain roads can be based on weather, congestion, time of day, etc. That is, pricing can be dynamically controlled).

As per claim 7, Breed further discloses wherein the control server sends a second control message to change a behavior of the vehicle (see at least paragraph 0583; wherein once the system determines that the vehicle is in danger or a rollover situation, the operator can be notified with an audible or visual warning (via a display or light) so that he or she can take corrective action. Additionally or alternately, the system can take control of the situation

and prevent the rollover through appropriate application of brakes (either on all wheels or selectively on particular wheels), throttle or steering).

As per claim 8, Breed further discloses wherein the second message is instructs the vehicle to exit from a roadway (see at least paragraph 0556; wherein FIG. 12a is a flow chart of the method in accordance with the invention. The absolute position of the vehicle is determined at 130, e.g., using a GPS, DGPS, PPS system, and compared to the edges of the roadway at 134, which is obtained from a memory unit 132. Based on the comparison at 134, it is determined whether the absolute position of the vehicle is approaching close to or intersects an edge of the roadway at 136. If not, then the position of the vehicle is again obtained, e.g., at a set time interval thereafter, and the process continues. If yes, an alarm and/or warning system will be activated and/or the system will take control of the vehicle (at 140) to guide it to a shoulder of the roadway or other safe location).

As per claim 9, Breed further discloses wherein the control message includes a lane designation (see at least paragraph 0435; wherein data facility 300 could also function as a supervisory vehicle travel management system as described above in section 6.0. In this case, it would use some or all of the information available to it about the traveling of the vehicles, in particular, on dedicated lanes, and be programmed to generate instructions for each vehicle able to communicate with the data facility 300 to direct the movement of the vehicle. This would constitute autonomous operation of the vehicle since the

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vehicle would be provided with a control system which is capable of converting the instructions received from the data facility 300 into operational commands, e.g., steering commands, acceleration and braking commands, etc. Data facility 300 would generate such instructions to maximize the speed of travel on the dedicated lanes, prevent collisions between vehicles in the dedicated lanes and minimize the distance between adjacent vehicles in order to maximize usage of the dedicated lanes).

As per claim 10, Breed further discloses wherein a second vehicle receives a second the control message, wherein the second control message is different from the control message sent to the vehicle (see at least paragraph 0562-0563; wherein another common accident is where vehicle 18 does in fact stop but then proceeds forward without noticing vehicle 25 thereby causing an accident. Since in the fully deployed RtZF.RTM. system, vehicle 18 will know through the vehicle-to-vehicle communication, and possibly infrastructure-to-vehicle communications, the existence and location of vehicle 25 and can calculate its velocity, the system can once again take control of vehicle 18 if a warning is not heeded and prevent vehicle 18 from proceeding into the intersection and thereby prevent the accident...In the event that the vehicle 25 is not equipped with the RtZF.RTM. system, vehicle 18 will still sense the presence of vehicle 25 through the laser radar, radar and camera systems, or be notified of the presence of vehicle 25 via a communication from an infrastructure-based scanning system. Once again, when the position and

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speed of vehicle 25 is known, appropriate action can be taken by the system in vehicle 18 to prevent the accident. The infrastructure-based scanning system 27 can be situated in the vicinity of the intersection and determine the presence of vehicles approaching the intersection and their position and speed. It could also determine which vehicle has the right-of-way and if one of the vehicles violates the right-of-way, it could notify any vehicle equipped with the RtZF.RTM. system about the violation so that the vehicle 25 or driver thereof could undertake action to prevent a collision with the vehicle violating the right-of-way).

As per claim 11, Breed discloses a control server associated with a traffic control system comprising:

a processor operable to execute one or more modules (**see at least paragraph 0032; wherein there are disclosed several processors or controllers**), the modules comprising:

a registration module operable to:

receive a registration of a vehicle (**see at least paragraph 0333-0334; wherein the particular code transmitted by a particular vehicle should be unique. Generally, the vehicle will transmit its code repetitively with a variable or fixed spacing between transmissions. The information which the vehicle wishes to transmit is encoded using the vehicle's code by any of a number of different techniques including phase modulation of distance or time between code transmissions, phase or amplitude modulation of the code sequences**

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themselves, changes of the polarity of the entire code sequence or the individual code segments, or bandwidth modulation of the code sequence. Other coding technologies would also be applicable and this invention is not limited to any particular coding method...For example, a vehicle can have a 64 bit code which can be a combination of a vehicle identification number and the GPS coordinates of the vehicle location. The vehicle would continuously transmit this 64 bit code using frequencies within the selected band);

a traffic control module operable to:

receive travel information from the vehicle (see at least paragraph 0201; wherein FIG. 20 shows a schematic of the operation of a communication and/or information transmission system and method in accordance with the invention. Transmitters are provided, for example at fixed locations and/or in vehicles or other moving objects, and data about each transmitter, such as its location and an identification marker, is generated at 240. The location of the transmitter is preferably its GPS coordinates as determined, for example, by a GPS-based position determining system (although other position determining systems can alternatively or additionally be used). The data may include, when the transmitter is a moving vehicle, the velocity, speed, the direction of travel, the estimated travel path and the destination of the vehicle. The data is encoded at 242 using coding techniques such as those described above, e.g., phase modulation of distance or time between code transmissions, phase or amplitude modulation of the code sequences themselves, changes of the

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polarity of the entire code sequence or the individual code segments, or bandwidth modulation of the code sequence. The coded data is transmitted at 244 using, e.g., noise or pseudo-noise radar);

determine a control arrangement for the vehicle (see at least paragraph 0435; wherein data facility 300 could also function as a supervisory vehicle travel management system as described above in section 6.0. In this case, it would use some or all of the information available to it about the traveling of the vehicles, in particular, on dedicated lanes, and be programmed to generate instructions for each vehicle able to communicate with the data facility 300 to direct the movement of the vehicle. This would constitute autonomous operation of the vehicle since the vehicle would be provided with a control system which is capable of converting the instructions received from the data facility 300 into operational commands, e.g., steering commands, acceleration and braking commands, etc. Data facility 300 would generate such instructions to maximize the speed of travel on the dedicated lanes, prevent collisions between vehicles in the dedicated lanes and minimize the distance between adjacent vehicles in order to maximize usage of the dedicated lanes); and

send a control message to control the vehicle in the traffic control system (see at least paragraph 0435; wherein data facility 300 could also function as a supervisory vehicle travel management system as described above in section 6.0. In this case, it would use some or all of the information

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available to it about the traveling of the vehicles, in particular, on dedicated lanes, and be programmed to generate instructions for each vehicle able to communicate with the data facility 300 to direct the movement of the vehicle. This would constitute autonomous operation of the vehicle since the vehicle would be provided with a control system which is capable of converting the instructions received from the data facility 300 into operational commands, e.g., steering commands, acceleration and braking commands, etc. Data facility 300 would generate such instructions to maximize the speed of travel on the dedicated lanes, prevent collisions between vehicles in the dedicated lanes and minimize the distance between adjacent vehicles in order to maximize usage of the dedicated lanes).

As per claim 12, Breed further discloses wherein the vehicle generates a route based on the control arrangement **(see at least paragraph 0418; wherein the determination of a route that a vehicle should take to go from its present location to its destination can be accomplished using a vehicle-resident system. A central server can be used to derive the GPS coordinates of the destination if it is not known based on its address, phone number or other identifying information. Once the route has been selected, the network can be checked to see if there is any congestion, tie-ups or other problems along the route and if so, then the driver can be asked as to whether the system should choose an alternate route and the process repeated),** and wherein the vehicle follows the route automatically without driver input **(see at least paragraph 0588;**

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wherein since the road conditions will now be known to the system, an enhanced RtZF.RTM. system will be able to advise an operator not to travel or, alternately, it can pick an alternate route if certain roads have accidents or have iced over, for example. Some people may decide not drive if there is bad weather or congestion. The important point here is that sensors will be available to sense the road condition as to both traffic and weather, this information will be available automatically and not require reporting from weather stations which usually have only late and inaccurate information. Additionally, pricing for the use of certain roads can be based on weather, congestion, time of day, etc. That is, pricing can be dynamically controlled).

As per claim 13, Breed further discloses wherein the control server sends a second control message to change a behavior of the vehicle **(see at least paragraph 0583; wherein once the system determines that the vehicle is in danger or a rollover situation, the operator can be notified with an audible or visual warning (via a display or light) so that he or she can take corrective action. Additionally or alternately, the system can take control of the situation and prevent the rollover through appropriate application of brakes (either on all wheels or selectively on particular wheels), throttle or steering), and wherein the second message instructs the vehicle to exit from a roadway (see at least paragraph 0556; wherein FIG. 12a is a flow chart of the method in accordance with the invention. The absolute position of the vehicle is determined at 130, e.g., using a GPS, DGPS, PPS system, and compared to the edges of the**

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roadway at 134, which is obtained from a memory unit 132. Based on the comparison at 134, it is determined whether the absolute position of the vehicle is approaching close to or intersects an edge of the roadway at 136. If not, then the position of the vehicle is again obtained, e.g., at a set time interval thereafter, and the process continues. If yes, an alarm and/or warning system will be activated and/or the system will take control of the vehicle (at 140) to guide it to a shoulder of the roadway or other safe location).

As per claim 14, Breed further discloses wherein the control information includes one or more of a lane, a speed, and a position within traffic to which the vehicle must adhere (see at least paragraph 0435; wherein data facility 300 could also function as a supervisory vehicle travel management system as described above in section 6.0. In this case, it would use some or all of the information available to it about the traveling of the vehicles, in particular, on dedicated lanes, and be programmed to generate instructions for each vehicle able to communicate with the data facility 300 to direct the movement of the vehicle. This would constitute autonomous operation of the vehicle since the vehicle would be provided with a control system which is capable of converting the instructions received from the data facility 300 into operational commands, e.g., steering commands, acceleration and braking commands, etc. Data facility 300 would generate such instructions to maximize the speed of travel on the dedicated lanes, prevent collisions between vehicles in the

dedicated lanes and minimize the distance between adjacent vehicles in order to maximize usage of the dedicated lanes).

As per claim 15, Breed further discloses wherein the travel information includes a current location and a destination **(see at least paragraph 0201; wherein FIG. 20 shows a schematic of the operation of a communication and/or information transmission system and method in accordance with the invention.**

Transmitters are provided, for example at fixed locations and/or in vehicles or other moving objects, and data about each transmitter, such as its location and an identification marker, is generated at 240. The location of the transmitter is preferably its GPS coordinates as determined, for example, by a GPS-based position determining system (although other position determining systems can alternatively or additionally be used). The data may include, when the transmitter is a moving vehicle, the velocity, speed, the direction of travel, the estimated travel path and the destination of the vehicle. The data is encoded at 242 using coding techniques such as those described above, e.g., phase modulation of distance or time between code transmissions, phase or amplitude modulation of the code sequences themselves, changes of the polarity of the entire code sequence or the individual code segments, or bandwidth modulation of the code sequence. The coded data is transmitted at 244 using, e.g., noise or pseudo-noise radar).

As per claim 16, Breed discloses a non-transitory computer readable medium stored on a storage medium and having instructions that when executed by a

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processor cause the processor to perform a method (**see at least paragraph 0032; wherein there are disclosed several processors or controllers**), the instructions comprising:

instructions to receive a registration of a vehicle (**see at least paragraph 0333-0334; wherein the particular code transmitted by a particular vehicle should be unique. Generally, the vehicle will transmit its code repetitively with a variable or fixed spacing between transmissions. The information which the vehicle wishes to transmit is encoded using the vehicle's code by any of a number of different techniques including phase modulation of distance or time between code transmissions, phase or amplitude modulation of the code sequences themselves, changes of the polarity of the entire code sequence or the individual code segments, or bandwidth modulation of the code sequence. Other coding technologies would also be applicable and this invention is not limited to any particular coding method...For example, a vehicle can have a 64 bit code which can be a combination of a vehicle identification number and the GPS coordinates of the vehicle location. The vehicle would continuously transmit this 64 bit code using frequencies within the selected band**);

instructions to receive travel information from the vehicle (**see at least paragraph 0201; wherein FIG. 20 shows a schematic of the operation of a communication and/or information transmission system and method in accordance with the invention. Transmitters are provided, for example at fixed locations and/or in vehicles or other moving objects, and data about each**

transmitter, such as its location and an identification marker, is generated at 240. The location of the transmitter is preferably its GPS coordinates as determined, for example, by a GPS-based position determining system (although other position determining systems can alternatively or additionally be used). The data may include, when the transmitter is a moving vehicle, the velocity, speed, the direction of travel, the estimated travel path and the destination of the vehicle. The data is encoded at 242 using coding techniques such as those described above, e.g., phase modulation of distance or time between code transmissions, phase or amplitude modulation of the code sequences themselves, changes of the polarity of the entire code sequence or the individual code segments, or bandwidth modulation of the code sequence. The coded data is transmitted at 244 using, e.g., noise or pseudo-noise radar);

instructions to determine a control arrangement for the vehicle (see at least paragraph 0435; wherein data facility 300 could also function as a supervisory vehicle travel management system as described above in section 6.0. In this case, it would use some or all of the information available to it about the traveling of the vehicles, in particular, on dedicated lanes, and be programmed to generate instructions for each vehicle able to communicate with the data facility 300 to direct the movement of the vehicle. This would constitute autonomous operation of the vehicle since the vehicle would be provided with a control system which is capable of converting the instructions received from the data facility 300 into operational commands, e.g., steering commands,

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acceleration and braking commands, etc. Data facility 300 would generate such instructions to maximize the speed of travel on the dedicated lanes, prevent collisions between vehicles in the dedicated lanes and minimize the distance between adjacent vehicles in order to maximize usage of the dedicated lanes); and

instructions to send a control message to control the vehicle in the traffic control system (see at least paragraph 0435; wherein data facility 300 could also function as a supervisory vehicle travel management system as described above in section 6.0. In this case, it would use some or all of the information available to it about the traveling of the vehicles, in particular, on dedicated lanes, and be programmed to generate instructions for each vehicle able to communicate with the data facility 300 to direct the movement of the vehicle. This would constitute autonomous operation of the vehicle since the vehicle would be provided with a control system which is capable of converting the instructions received from the data facility 300 into operational commands, e.g., steering commands, acceleration and braking commands, etc. Data facility 300 would generate such instructions to maximize the speed of travel on the dedicated lanes, prevent collisions between vehicles in the dedicated lanes and minimize the distance between adjacent vehicles in order to maximize usage of the dedicated lanes).

As per claim 17, Breed further discloses wherein the vehicle generates a route based on the control arrangement (see at least paragraph 0418; wherein the

determination of a route that a vehicle should take to go from its present location to its destination can be accomplished using a vehicle-resident system. A central server can be used to derive the GPS coordinates of the destination if it is not known based on its address, phone number or other identifying information. Once the route has been selected, the network can be checked to see if there is any congestion, tie-ups or other problems along the route and if so, then the driver can be asked as to whether the system should choose an alternate route and the process repeated), and wherein the vehicle follows the route automatically without driver input (see at least paragraph 0588; wherein since the road conditions will now be known to the system, an enhanced RtZF.RTM. system will be able to advise an operator not to travel or, alternately, it can pick an alternate route if certain roads have accidents or have iced over, for example. Some people may decide not drive if there is bad weather or congestion. The important point here is that sensors will be available to sense the road condition as to both traffic and weather, this information will be available automatically and not require reporting from weather stations which usually have only late and inaccurate information. Additionally, pricing for the use of certain roads can be based on weather, congestion, time of day, etc. That is, pricing can be dynamically controlled).

As per claim 18, Breed further discloses wherein the control server sends a second control message to change a behavior of the vehicle (see at least paragraph 0583; wherein once the system determines that the vehicle is in

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danger or a rollover situation, the operator can be notified with an audible or visual warning (via a display or light) so that he or she can take corrective action. Additionally or alternately, the system can take control of the situation and prevent the rollover through appropriate application of brakes (either on all wheels or selectively on particular wheels), throttle or steering), and wherein the second message is instructs the vehicle to exit from a roadway (see at least paragraph 0556; wherein FIG. 12a is a flow chart of the method in accordance with the invention. The absolute position of the vehicle is determined at 130, e.g., using a GPS, DGPS, PPS system, and compared to the edges of the roadway at 134, which is obtained from a memory unit 132. Based on the comparison at 134, it is determined whether the absolute position of the vehicle is approaching close to or intersects an edge of the roadway at 136. If not, then the position of the vehicle is again obtained, e.g., at a set time interval thereafter, and the process continues. If yes, an alarm and/or warning system will be activated and/or the system will take control of the vehicle (at 140) to guide it to a shoulder of the roadway or other safe location).

As per claim 19, Breed further discloses wherein the control information includes one or more of a lane, a speed, and a position within traffic to which the vehicle must adhere (see at least paragraph 0435; wherein data facility 300 could also function as a supervisory vehicle travel management system as described above in section 6.0. In this case, it would use some or all of the information available to it about the traveling of the vehicles, in particular, on

dedicated lanes, and be programmed to generate instructions for each vehicle able to communicate with the data facility 300 to direct the movement of the vehicle. This would constitute autonomous operation of the vehicle since the vehicle would be provided with a control system which is capable of converting the instructions received from the data facility 300 into operational commands, e.g., steering commands, acceleration and braking commands, etc. Data facility 300 would generate such instructions to maximize the speed of travel on the dedicated lanes, prevent collisions between vehicles in the dedicated lanes and minimize the distance between adjacent vehicles in order to maximize usage of the dedicated lanes).

As per claim 20, Breed further discloses wherein the travel information includes a current location and a destination (see at least paragraph 0201; wherein FIG. 20 shows a schematic of the operation of a communication and/or information transmission system and method in accordance with the invention.

Transmitters are provided, for example at fixed locations and/or in vehicles or other moving objects, and data about each transmitter, such as its location and an identification marker, is generated at 240. The location of the transmitter is preferably its GPS coordinates as determined, for example, by a GPS-based position determining system (although other position determining systems can alternatively or additionally be used). The data may include, when the transmitter is a moving vehicle, the velocity, speed, the direction of travel, the estimated travel path and the destination of the vehicle. The data is

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encoded at 242 using coding techniques such as those described above, e.g., phase modulation of distance or time between code transmissions, phase or amplitude modulation of the code sequences themselves, changes of the polarity of the entire code sequence or the individual code segments, or bandwidth modulation of the code sequence. The coded data is transmitted at 244 using, e.g., noise or pseudo-noise radar).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MAHMOUD ISMAIL whose telephone number is (571)272-1326. The examiner can normally be reached on Monday - Friday from 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Helal Algahaim can be reached on (571) 270-5227. 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

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Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MAHMOUD ISMAIL/
Examiner, Art Unit 3662

/HELAL A ALGAHAIM/
Supervisory Patent Examiner, Art Unit 3662

Notice of References Cited	Application/Control No. 14/253,838	Applicant(s)/Patent Under Reexamination RICCI ET AL.	
	Examiner MAHMOUD ISMAIL	Art Unit 3662	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2008/0161986	07-2008	Breed, David S.	701/23
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,506	04/15/2014	Christopher P. Ricci	6583-637	5446
111285	7590	11/14/2014	EXAMINER	
Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202			DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			11/14/2014	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):

flexpatents@sheridanross.com
edocket@sheridanross.com

Office Action Summary	Application No. 14/253,506	Applicant(s) RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN	Art Unit 3663	AIA (First Inventor to File) Status Yes

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 4/15/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ 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.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-23 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) _____ is/are allowed.
- 7) ☒ Claim(s) 1-5, 7-12, 14-19 and 21-23 is/are rejected.
- 8) ☒ Claim(s) 6, 13 and 20 is/are objected to.
- 9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, 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.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 4/15/2014 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) ☒ Notice of References Cited (PTO-892) | 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date _____ | 4) ☐ Other: _____ |

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Claim Rejections - 35 USC § 102

2. 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 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.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

4. **Claims 1 – 2, 5, 8 – 9, 12, 15 – 16 and 19 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Obradovich et al., (20080033635).**

5. (Claims 1, 8 and 15): Obradovich discloses a method, comprising: maintaining, by a microprocessor executable profile identification module (abstract), a persona of a vehicle occupant (figs. 5 and 18; [0008]); and based on the persona of the vehicle occupant and vehicle-related information, performing, by a microprocessor executable vehicle control system, an action assisting the vehicle occupant (fig. 21; [0103 - 0104]).

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6. (Claims 2, 9 and 16): Obradovich discloses a method, wherein the vehicle-related information comprises at least one of a current and/or future vehicle location and path of vehicle travel ([0040 - 0042]).

7. (Claims 5, 12 and 19): Obradovich discloses a method, further comprising: determining, by the vehicle control system, relevant information other than the persona of the vehicle occupant and the vehicle-related information, the relevant information comprising one or more of a persona of a selected person not currently in the vehicle (fig. 5; [0048]), a message from a friend or family member of the vehicle occupant ([0103]), a current activity of the friend and/or family member, a location, hours of operation, and/or descriptive information about a point and/or location of interest near the vehicle and/or the vehicle's path of travel ([0044]), a location, hours of operation, and/or descriptive information about a vehicle service facility near the vehicle and/or the vehicle's path of travel, a location, hours of operation, and/or descriptive information about a hotel and/or motel near the vehicle and/or the vehicle's path of travel, a current location of the friend or family member near the vehicle and/or the vehicle's path of travel, and a road condition along a path of travel of the vehicle ([0009]; [0043]; [0061 - 0067]).

8. Claims 1, 3 – 4, 7 – 8, 10 – 11, 14 – 15, 17 – 18, and 21 - 23 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Shuman et al., (6675081).

9. (Claims 1, 8 and 15): Shuman discloses a method, comprising: maintaining, by a microprocessor executable profile identification module (abstract), a persona of a vehicle occupant (fig. 2); and based on the persona of the vehicle occupant and vehicle-

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related information, performing, by a microprocessor executable vehicle control system, an action assisting the vehicle occupant (figs. 1 and 9; col 2, lns 39 - 62).

10. (Claims 3, 7, 10, 14, 17 and 21): Shuman discloses a method, wherein the action performed depends on a seating position of the vehicle occupant (col 2, lns 39 - 62).

11. (Claims 4, 11 and 18): Shuman discloses a method, wherein the persona comprises one or more of bioinformatics, medical information, driving history (fig. 5), personal information, private information, travel information, and Internet browsing history and/or browsed content, wherein vehicle related information comprises one or more of vehicle context, state, external surroundings (fig. 5), location, past, current, and/or intended path of travel, waypoint, and destination, and wherein the action is one or more of making an appointment, making a reservation, purchasing an item on line (col 24, ln 48), adding a waypoint (fig. 15) or destination to path of travel on a navigation system of the vehicle, adding an entry into the occupant's electronic calendar, changing a destination or path of travel on the navigation system, warning the occupant, notifying the occupant, and sending a message to a person at a waypoint or destination of the vehicle regarding an arrival time (fig. 11; col 28, lns 14 - 35).

12. (Claim 22): Shuman discloses a method, wherein the maintaining of the persona comprises collecting information from one or more vehicle sensors and/or from a remote information source and wherein a type of information collected depends on one or more of an identity of the occupant, an age of the occupant, and an association of the occupant with the vehicle (col 11, ln 2; col 17, ln 51).

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13. (Claim 23): Shuman discloses a method, wherein the persona is defined in a format that can be processed by vehicles of different manufacturers (figs. 1 and 26; col 5, lns 7 – 16).

Allowable Subject Matter

14. Claims 6, 13 and 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please refer to form 892 for cited references.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALEX C. DUNN whose telephone number is (571)270-5323. The examiner can normally be reached on Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Tarcza can be reached on 26979. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3663

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). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ALEX C. DUNN
Examiner, Art Unit 3663

/THOMAS TARCZA/
Supervisory Patent Examiner, Art Unit 3663

Notice of References Cited	Application/Control No. 14/253,506		Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN		Art Unit 3663	Page 1 of 2

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*	B	US-5,825,283 A	10-1998	Camhi, Elie	340/438
*	C	US-2002/0103622 A1	08-2002	Burge, John R.	702/183
*	D	US-2003/0065432 A1	04-2003	Shuman et al.	701/48
*	E	US-6,563,910 B2	05-2003	Menard et al.	379/45
*	F	US-6,675,081 B2	01-2004	Shuman et al.	701/48
*	G	US-2004/0093155 A1	05-2004	Simonds et al.	701/200
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*	I	US-2008/0033635 A1	02-2008	Obradovich et al.	701/201
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	N					
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	P					
	Q					
	R					
	S					
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NON-PATENT DOCUMENTS

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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Notice of References Cited	Application/Control No. 14/253,506		Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN		Art Unit 3663	Page 2 of 2

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*	A	US-8,521,410 B2	08-2013	Mizuno et al.	701/123
*	B	US-8,543,330 B2	09-2013	Taylor et al.	701/408
*	C	US-2013/0338914 A1	12-2013	Weiss, Andrew	701/465
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*	E	US-8,825,277 B2	09-2014	McClellan et al.	701/32.2
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	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
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FOREIGN PATENT DOCUMENTS

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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Electronic Acknowledgement Receipt

EFS ID:	20798174
Application Number:	14253251
International Application Number:	
Confirmation Number:	6723
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE
First Named Inventor/Applicant Name:	Christopher P. Ricci
Customer Number:	111285
Filer:	Douglas W. Swartz/Robert Roe-Pachirat
Filer Authorized By:	Douglas W. Swartz
Attorney Docket Number:	6583-607
Receipt Date:	25-NOV-2014
Filing Date:	15-APR-2014
Time Stamp:	15:23:04
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		6583-607_IDS_01.pdf	626744 6d2b341a126f6a5a4bb70fcc717b0420c8574d57	yes	13

	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	5	
	Information Disclosure Statement (IDS) Form (SB08)		6	13	
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Information:					
2	Foreign Reference	EP1909069.pdf	947890	no	16
			6352b82877be60492728aff8d4fbc7cf75e82cb2		
Warnings:					
Information:					
3	Foreign Reference	WO2012102879.pdf	1906132	no	44
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Information:					
4	Non Patent Literature	Accessibility_A_Guide_for_Businesses_and_Organizations.pdf	7375007	no	53
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5	Non Patent Literature	Accessibility_Guide_for_Educators_MICROSOFT.pdf	55818	no	1
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11	Non Patent Literature	Guide_for_Individuals_with_Hearing_Impairments.pdf	158126 2edd6cf4da42a229fab83677ae9bfa998def412	no	5
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12	Non Patent Literature	BENNETT_Meet_Samsungs_version_of_Apple_AirPlay.pdf	1726734 aba9ea14d326939f3d13e4812557bf2e0684d798	no	11
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14	Non Patent Literature	6583-544-PCT_ISR-WO_08-25-2014.pdf	505476 6f6319ba798f010e47ead6a78d9de5651a9c263b	no	8
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15	Non Patent Literature	6583-547-PCT_ISR-WO_08-22-2014.pdf	418551	no	7
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16	Non Patent Literature	6583-550-PCT_ISR-WO_09-15-2014.pdf	455781	no	8
			decda73efb70977ba18441c204f69854629675cf		
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			94f777a93754a377d183363a35618e538fdb8fc3		
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22	Non Patent Literature	6583-569-PCT_ISR-WO_09-15-2014.pdf	371482	no	8
			9b44ca266cac61450a5e3c53007047f1b957ca59		
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23	Non Patent Literature	6583-574-PCT_ISR-WO_09-15-2014.pdf	445430	no	10
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24	Non Patent Literature	6583-555_OA_11-19-2014.pdf	282317 077e8ca3eb12a2b41a915f3afd67b956f507c705	no	8
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25	Non Patent Literature	6583-567_OA_11-18-2014.pdf	211404 da370eb4d35caa41d2071dbf69ea4180cc48c599	no	6
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Information:					
26	Non Patent Literature	6583-574_OA_11-20-2014.pdf	1097919 2e54233e988c8f19e4b96f632ad0458fda05f744	no	31
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27	Non Patent Literature	6583-637_OA_11-14-2014.pdf	301467 422c84eb2f08c652de2b32a6f237d2208e0e54dd	no	9
Warnings:					
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Total Files Size (in bytes):			20598387		
<p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:	)	Group Art Unit: 3663
Christopher P. Ricci	)	Confirmation No.: 6723
Serial No.: 14/253,251	)	Examiner: DUNN, ALEX C
Filed: April 15, 2014	)	
Atty. File No.: 6583-607	)	<u>INFORMATION DISCLOSURE</u>
	)	<u>STATEMENT</u>
Entitled: "Infotainment System Based on User Profile"	)	
	)	<i>Electronically Submitted</i>
	)	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

The references cited on attached Form PTO/SB08 are being called to the attention of the Examiner.

- ☒ Copies of the cited non-patent and/or foreign references are enclosed herewith.
- ☐ Copies of the cited U.S. patents and/or patent applications are enclosed herewith.
- ☒ Copies of the cited U.S. patents/unpublished patent applications/patent application publications are not enclosed in accordance with 37 C.F.R. § 1.98(a).
- ☐ Copies of the cited references are not enclosed, in accordance with 37 C.F.R. § 1.98(d), because the references were cited by or submitted to the U.S. Patent and Trademark Office in prior application Serial No. _____ filed _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120.
- ☐ To the best of applicants' belief, the pertinence of the foreign-language references is believed to be summarized in the attached English abstracts and/or in the figures, although applicants do not necessarily vouch for the accuracy of the translation.
- ☒ Examiner's attention is drawn to the following related applications:
- Serial No. 14/253,843 filed 04/15/2014 (Attorney's Ref. No. 6583-530)
 - Serial No. 14/253,836 filed 04/15/2014 (Attorney's Ref. No. 6583-537)
 - Serial No. 14/253,840 filed 04/15/2014 (Attorney's Ref. No. 6583-538)
 - Serial No. 14/253,213 filed 04/15/2014 (Attorney's Ref. No. 6583-543)
 - Serial No. 14/252,863 filed 04/15/2014 (Attorney's Ref. No. 6583-544)
 - Serial No. 14/253,216 filed 04/15/2014 (Attorney's Ref. No. 6583-545)
 - Serial No. 14/252,865 filed 04/15/2014 (Attorney's Ref. No. 6583-546)

- Serial No. 14/253,240 filed 04/15/2014 (Attorney's Ref. No. 6583-547)
- Serial No. 14/253,220 filed 04/15/2014 (Attorney's Ref. No. 6583-548)
- Serial No. 14/253,315 filed 04/15/2014 (Attorney's Ref. No. 6583-549)
- Serial No. 14/253,706 filed 04/15/2014 (Attorney's Ref. No. 6583-550)
- Serial No. 14/252,868 filed 04/15/2014 (Attorney's Ref. No. 6583-551)
- Serial No. 14/253,745 filed 04/15/2014 (Attorney's Ref. No. 6583-553)
- Serial No. 14/253,752 filed 04/15/2014 (Attorney's Ref. No. 6583-554)
- Serial No. 14/253,729 filed 04/15/2014 (Attorney's Ref. No. 6583-555)
- Serial No. 14/252,934 filed 04/15/2014 (Attorney's Ref. No. 6583-556)
- Serial No. 14/253,243 filed 04/15/2014 (Attorney's Ref. No. 6583-557)
- Serial No. 14/252,978 filed 04/15/2014 (Attorney's Ref. No. 6583-558)
- Serial No. 14/253,023 filed 04/15/2014 (Attorney's Ref. No. 6583-559)
- Serial No. 14/252,871 filed 04/15/2014 (Attorney's Ref. No. 6583-560)
- Serial No. 14/253,204 filed 04/15/2014 (Attorney's Ref. No. 6583-561)
- Serial No. 14/253,099 filed 04/15/2014 (Attorney's Ref. No. 6583-562)
- Serial No. 14/253,330 filed 04/15/2014 (Attorney's Ref. No. 6583-563)
- Serial No. 14/253,351 filed 04/15/2014 (Attorney's Ref. No. 6583-564)
- Serial No. 14/252,858 filed 04/15/2014 (Attorney's Ref. No. 6583-565)
- Serial No. 14/253,034 filed 04/15/2014 (Attorney's Ref. No. 6583-566)
- Serial No. 14/253,405 filed 04/15/2014 (Attorney's Ref. No. 6583-567)
- Serial No. 14/252,876 filed 04/15/2014 (Attorney's Ref. No. 6583-568)
- Serial No. 14/253,321 filed 04/15/2014 (Attorney's Ref. No. 6583-569)
- Serial No. 14/253,226 filed 04/15/2014 (Attorney's Ref. No. 6583-570)
- Serial No. 14/253,492 filed 04/15/2014 (Attorney's Ref. No. 6583-571)
- Serial No. 14/253,838 filed 04/15/2014 (Attorney's Ref. No. 6583-574)
- Serial No. 14/253,312 filed 04/15/2014 (Attorney's Ref. No. 6583-585)
- Serial No. 14/253,334 filed 04/15/2014 (Attorney's Ref. No. 6583-586)
- Serial No. 14/253,476 filed 04/15/2014 (Attorney's Ref. No. 6583-587)
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- Serial No. 14/253,396 filed 04/15/2014 (Attorney's Ref. No. 6583-594)
- Serial No. 14/253,416 filed 04/15/2014 (Attorney's Ref. No. 6583-595)
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- Serial No. 14/253,446 filed 04/15/2014 (Attorney's Ref. No. 6583-597)
- Serial No. 14/253,048 filed 04/15/2014 (Attorney's Ref. No. 6583-598)
- Serial No. 14/253,424 filed 04/15/2014 (Attorney's Ref. No. 6583-599)
- Serial No. 14/253,058 filed 04/15/2014 (Attorney's Ref. No. 6583-600)
- Serial No. 14/253,006 filed 04/15/2014 (Attorney's Ref. No. 6583-601)
- Serial No. 14/253,022 filed 04/15/2014 (Attorney's Ref. No. 6583-602)
- Serial No. 14/253,060 filed 04/15/2014 (Attorney's Ref. No. 6583-603)
- Serial No. 14/253,135 filed 04/15/2014 (Attorney's Ref. No. 6583-604)
- Serial No. 14/253,486 filed 04/15/2014 (Attorney's Ref. No. 6583-605)
- Serial No. 14/253,426 filed 04/15/2014 (Attorney's Ref. No. 6583-608)
- Serial No. 14/253,388 filed 04/15/2014 (Attorney's Ref. No. 6583-609)
- Serial No. 14/253,406 filed 04/15/2014 (Attorney's Ref. No. 6583-610)
- Serial No. 14/253,464 filed 04/15/2014 (Attorney's Ref. No. 6583-611)
- Serial No. 14/253,755 filed 04/15/2014 (Attorney's Ref. No. 6583-614)
- Serial No. 14/253,015 filed 04/15/2014 (Attorney's Ref. No. 6583-615)
- Serial No. 14/253,727 filed 04/15/2014 (Attorney's Ref. No. 6583-619)
- Serial No. 14/253,199 filed 04/15/2014 (Attorney's Ref. No. 6583-620)
- Serial No. 14/253,067 filed 04/15/2014 (Attorney's Ref. No. 6583-621)
- Serial No. 14/253,144 filed 04/15/2014 (Attorney's Ref. No. 6583-622)
- Serial No. 14/253,078 filed 04/15/2014 (Attorney's Ref. No. 6583-623)
- Serial No. 14/543,535 filed 11/17/2014 (Attorney's Ref. No. 6583-623-CIP)
- Serial No. 14/253,423 filed 04/15/2014 (Attorney's Ref. No. 6583-624)
- Serial No. 14/253,091 filed 04/15/2014 (Attorney's Ref. No. 6583-625)
- Serial No. 14/253,743 filed 04/15/2014 (Attorney's Ref. No. 6583-626)
- Serial No. 14/253,766 filed 04/15/2014 (Attorney's Ref. No. 6583-627)
- Serial No. 14/253,470 filed 04/15/2014 (Attorney's Ref. No. 6583-628)
- Serial No. 14/253,341 filed 04/15/2014 (Attorney's Ref. No. 6583-629)
- Serial No. 14/253,506 filed 04/15/2014 (Attorney's Ref. No. 6583-637)
- Serial No. 14/253,526 filed 04/15/2014 (Attorney's Ref. No. 6583-638)

☐ Other: _____

Submission of the above information is not intended as an admission that any item is citable under the statutes or rules to support a rejection, that any item disclosed represents analogous art, or that those skilled in the art would refer to or recognize the pertinence of any reference without the benefit of hindsight, nor should an inference be drawn as to the pertinence

of the references based on the order in which they are presented. Submission of this statement should not be taken as an indication that a search has been conducted, or that no better art exists.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application and the references made of record therein.

FEES

☒	<p>37 CFR 1.97(b): No fee is believed due in connection with this submission, because the information disclosure statement submitted herewith is satisfied by one of the following conditions ("X" indicates satisfaction):</p> <p>☐ Within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d), or</p> <p>☐ Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application, or</p> <p>☒ Before the mailing date of a first Office Action on the merits, or</p> <p>☐ Before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114.</p> <p>Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p>
☐	<p>37 CFR 1.97(c): The information disclosure statement transmitted herewith is being filed after all the above conditions (37 CFR 1.97(b)), but before the mailing date of any one of the following conditions:</p> <p style="padding-left: 40px;">(1) a final action under 37 C.F.R. 1.113, or</p> <p style="padding-left: 40px;">(2) a notice of allowance under 37 C.F.R. 1.311, or</p> <p style="padding-left: 40px;">(3) an action that otherwise closes prosecution in the application.</p> <p>This Information Disclosure Statement is accompanied by:</p> <p>☐ A Certification (below) as specified by 37 C.F.R. 1.97(e). Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p> <p style="text-align: center;">OR</p> <p>☐ Please charge Deposit Account 19-1970 in the amount of \$180.00 for the fee set forth in 37 C.F.R. 1.17(p) for submission of an information disclosure statement. Please credit any overpayment or charge any underpayment to Deposit Account 19-1970.</p>
☐	<p>37 CFR 1.97(d): This Information Disclosure Statement is being submitted after the period specified in 37 CFR 1.97(c).</p> <p>☐ This information Disclosure Statement includes a Certification (below) as specified by 37 C.F.R. 1.97(e)</p> <p style="text-align: center;">AND</p> <p>☐ Applicants hereby requests consideration of the reference(s) disclosed herein. Please charge Deposit Account 19-1970 in the amount of \$180.00 under 37 C.F.R. 1.17(p). Please credit any overpayment or charge any underpayment to Deposit Account 19-1970. Election to pay the fee should not be taken as an indication that applicant(s) cannot execute a certification.</p>

Certification (37 C.F.R. 1.97(e))

(Applicable only if checked)

☐

The undersigned certifies that:

☐

Each item of information contained in the Information Disclosure Statement submitted herewith 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 this statement. 37 C.F.R. 1.97(e)(1).

☐

A copy of the communication from the foreign patent office is enclosed.

OR

☐

No item of information contained in the Information Disclosure Statement submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(2).

Respectfully submitted,

SHERIDAN ROSS P.C.

By: /Douglas W. Swartz/

Douglas W. Swartz

Registration No. 37,739

1560 Broadway, Suite 1200

Denver, Colorado 80202-5141

(303) 863-9700

Date: November 25, 2014



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,251	04/15/2014	Christopher P. Ricci	6583-607	6723
111285	7590	12/29/2014	EXAMINER	
Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202			DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			12/29/2014	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):

flexpatents@sheridanross.com
edocket@sheridanross.com

Office Action Summary	Application No. 14/253,251	Applicant(s) RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN	Art Unit 3663	AIA (First Inventor to File) Status Yes

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 4/15/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ 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.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-7,9-17,19 and 20 is/are rejected.
- 8) ☒ Claim(s) 8 and 18 is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, 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.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 4/15/2014 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date ____.
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 4) ☐ Other: ____.

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Claim Rejections - 35 USC § 102

2. 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 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.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

4. **Claims 1 – 7, 9 – 17 and 19 - 20 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Divine et al., (20130030645).**

5. (Claims 1, 5, 9 - 11, 15 and 19): Divine discloses a method and system, comprising: detecting a user profile associated with a user (abstract; figs. 3 and 5; [0004]; [0026]), the user profile having infotainment information stored therein ([0004 – 0005]); detecting at least one infotainment system associated with the user (fig. 2; [0030]); and determining to adjust a configuration of the at least one infotainment system based at least partially on the infotainment information in the user profile (fig. 3; [0036 – 0037]).

Art Unit: 3663

6. (Claims 2 - 3, 12 - 13 and 20): Divine discloses a method and system, wherein the at least one infotainment system is a vehicle infotainment system (figs. 1 – 2; [0029]), and wherein prior to detecting the user profile the method further comprises: identifying the user inside a vehicle via one or more sensors associated with the vehicle ([0005]; [0025]); and referring, in response to identifying the user, to a memory associated with the identified user, wherein the memory includes the user profile (fig. 1; [0026]).
7. (Claims 4 and 14): Divine discloses a method and system, wherein detecting the at least one infotainment system associated with the user is based at least partially on one or more of a proximity of a user and a user device to the at least one infotainment system (fig. 1; [0005]; [0027]; [0030]).
8. (Claims 6 and 16): Divine discloses a method and system, wherein when the infotainment information does not match the determined configuration of the at least one infotainment system, an adjustment output configured to adjust the configuration of the at least one infotainment system ([0061]).
9. (Claims 7 and 17): Divine discloses a method and system, wherein determining to adjust the configuration of the at least one infotainment system further comprises: determining an access priority of the user (fig. 5; [0032]); and determining whether the access priority of the user allows for the adjustment to the configuration of the at least one infotainment system ([0033]; [0044 - 0045]; [0050]).

Allowable Subject Matter

10. Claims 8 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please refer to form 892 for cited references.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALEX C. DUNN whose telephone number is (571)270-5323. The examiner can normally be reached on Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Tarcza can be reached on 26979. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3663

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). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ALEX C. DUNN
Examiner, Art Unit 3663

/THOMAS TARCZA/

Supervisory Patent Examiner, Art Unit 3663

Notice of References Cited	Application/Control No. 14/253,251		Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN		Art Unit 3663	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2004/0093155 A1	05-2004	Simonds et al.	701/200
*	B	US-7,058,898 B2	06-2006	McWalter et al.	715/762
*	C	US-7,142,696 B1	11-2006	Engelsberg et al.	382/118
*	D	US-7,313,547 B2	12-2007	Mocek et al.	705/51
*	E	US-2010/0169432 A1	07-2010	Santori et al.	709/206
*	F	US-2010/0235891 A1	09-2010	Oglesbee et al.	726/5
*	G	US-2010/0305807 A1	12-2010	Basir et al.	701/33
*	H	US-7,864,029 B2	01-2011	Huang et al.	340/426.1
*	I	US-2012/0065815 A1	03-2012	Hess, Wolfgang	701/2
*	J	US-2013/0030645 A1	01-2013	Divine et al.	701/36
*	K	US-8,350,721 B2	01-2013	Carr, Jeffrey Thomas	340/903
*	L	US-8,578,279 B2	11-2013	Chen et al.	715/745
*	M	US-8,660,735 B2	02-2014	Tengler et al.	701/24

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 14/253,251		Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN		Art Unit 3663	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2014/0067201 A1	03-2014	Visintainer et al.	701/36
*	B	US-8,718,797 B1	05-2014	Addepalli et al.	700/17
*	C	US-8,730,033 B2	05-2014	Yarnold et al.	340/539.13
*	D	US-8,793,034 B2	07-2014	Ricci, Christopher P.	701/1
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:	)	Group Art Unit: 3663
Christopher P. Ricci	)	Confirmation No.: 6723
Serial No.: 14/253,251	)	Examiner: DUNN, ALEX C
Filed: April 15, 2014	)	
Atty. File No.: 6583-607	)	<u>INFORMATION DISCLOSURE</u>
	)	<u>STATEMENT</u>
Entitled: "Infotainment System Based on User Profile"	)	<i>Electronically Submitted</i>
	)	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

The references cited on attached Form PTO/SB08 are being called to the attention of the Examiner.

- ☒ Copies of the cited non-patent and/or foreign references are enclosed herewith.
- ☐ Copies of the cited U.S. patents and/or patent applications are enclosed herewith.
- ☒ Copies of the cited U.S. patents/unpublished patent applications/patent application publications are not enclosed in accordance with 37 C.F.R. § 1.98(a).
- ☐ Copies of the cited references are not enclosed, in accordance with 37 C.F.R. § 1.98(d), because the references were cited by or submitted to the U.S. Patent and Trademark Office in prior application Serial No. _____ filed _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120.
- ☐ To the best of applicants' belief, the pertinence of the foreign-language references is believed to be summarized in the attached English abstracts and/or in the figures, although applicants do not necessarily vouch for the accuracy of the translation.
- ☒ Examiner's attention is drawn to the following related applications:
- Serial No. 14/253,843 filed 04/15/2014 (Attorney's Ref. No. 6583-530)
 - Serial No. 14/253,836 filed 04/15/2014 (Attorney's Ref. No. 6583-537)
 - Serial No. 14/253,840 filed 04/15/2014 (Attorney's Ref. No. 6583-538)
 - Serial No. 14/253,213 filed 04/15/2014 (Attorney's Ref. No. 6583-543)
 - Serial No. 14/252,863 filed 04/15/2014 (Attorney's Ref. No. 6583-544)
 - Serial No. 14/253,216 filed 04/15/2014 (Attorney's Ref. No. 6583-545)
 - Serial No. 14/252,865 filed 04/15/2014 (Attorney's Ref. No. 6583-546)

- Serial No. 14/253,240 filed 04/15/2014 (Attorney's Ref. No. 6583-547)
- Serial No. 14/253,220 filed 04/15/2014 (Attorney's Ref. No. 6583-548)
- Serial No. 14/253,315 filed 04/15/2014 (Attorney's Ref. No. 6583-549)
- Serial No. 14/253,706 filed 04/15/2014 (Attorney's Ref. No. 6583-550)
- Serial No. 14/252,868 filed 04/15/2014 (Attorney's Ref. No. 6583-551)
- Serial No. 14/253,745 filed 04/15/2014 (Attorney's Ref. No. 6583-553)
- Serial No. 14/253,752 filed 04/15/2014 (Attorney's Ref. No. 6583-554)
- Serial No. 14/253,729 filed 04/15/2014 (Attorney's Ref. No. 6583-555)
- Serial No. 14/252,934 filed 04/15/2014 (Attorney's Ref. No. 6583-556)
- Serial No. 14/253,243 filed 04/15/2014 (Attorney's Ref. No. 6583-557)
- Serial No. 14/252,978 filed 04/15/2014 (Attorney's Ref. No. 6583-558)
- Serial No. 14/253,023 filed 04/15/2014 (Attorney's Ref. No. 6583-559)
- Serial No. 14/252,871 filed 04/15/2014 (Attorney's Ref. No. 6583-560)
- Serial No. 14/253,204 filed 04/15/2014 (Attorney's Ref. No. 6583-561)
- Serial No. 14/253,099 filed 04/15/2014 (Attorney's Ref. No. 6583-562)
- Serial No. 14/253,330 filed 04/15/2014 (Attorney's Ref. No. 6583-563)
- Serial No. 14/253,351 filed 04/15/2014 (Attorney's Ref. No. 6583-564)
- Serial No. 14/252,858 filed 04/15/2014 (Attorney's Ref. No. 6583-565)
- Serial No. 14/253,034 filed 04/15/2014 (Attorney's Ref. No. 6583-566)
- Serial No. 14/253,405 filed 04/15/2014 (Attorney's Ref. No. 6583-567)
- Serial No. 14/252,876 filed 04/15/2014 (Attorney's Ref. No. 6583-568)
- Serial No. 14/253,321 filed 04/15/2014 (Attorney's Ref. No. 6583-569)
- Serial No. 14/253,226 filed 04/15/2014 (Attorney's Ref. No. 6583-570)
- Serial No. 14/253,492 filed 04/15/2014 (Attorney's Ref. No. 6583-571)
- Serial No. 14/253,838 filed 04/15/2014 (Attorney's Ref. No. 6583-574)
- Serial No. 14/253,312 filed 04/15/2014 (Attorney's Ref. No. 6583-585)
- Serial No. 14/253,334 filed 04/15/2014 (Attorney's Ref. No. 6583-586)
- Serial No. 14/253,476 filed 04/15/2014 (Attorney's Ref. No. 6583-587)
- Serial No. 14/253,371 filed 04/15/2014 (Attorney's Ref. No. 6583-588)
- Serial No. 14/253,393 filed 04/15/2014 (Attorney's Ref. No. 6583-589)
- Serial No. 14/253,233 filed 04/15/2014 (Attorney's Ref. No. 6583-590)
- Serial No. 14/253,376 filed 04/15/2014 (Attorney's Ref. No. 6583-591)
- Serial No. 14/253,396 filed 04/15/2014 (Attorney's Ref. No. 6583-594)
- Serial No. 14/253,416 filed 04/15/2014 (Attorney's Ref. No. 6583-595)
- Serial No. 14/253,435 filed 04/15/2014 (Attorney's Ref. No. 6583-596)

- Serial No. 14/253,446 filed 04/15/2014 (Attorney's Ref. No. 6583-597)
- Serial No. 14/253,048 filed 04/15/2014 (Attorney's Ref. No. 6583-598)
- Serial No. 14/253,424 filed 04/15/2014 (Attorney's Ref. No. 6583-599)
- Serial No. 14/253,058 filed 04/15/2014 (Attorney's Ref. No. 6583-600)
- Serial No. 14/253,006 filed 04/15/2014 (Attorney's Ref. No. 6583-601)
- Serial No. 14/253,022 filed 04/15/2014 (Attorney's Ref. No. 6583-602)
- Serial No. 14/253,060 filed 04/15/2014 (Attorney's Ref. No. 6583-603)
- Serial No. 14/253,135 filed 04/15/2014 (Attorney's Ref. No. 6583-604)
- Serial No. 14/253,486 filed 04/15/2014 (Attorney's Ref. No. 6583-605)
- Serial No. 14/253,426 filed 04/15/2014 (Attorney's Ref. No. 6583-608)
- Serial No. 14/253,388 filed 04/15/2014 (Attorney's Ref. No. 6583-609)
- Serial No. 14/253,406 filed 04/15/2014 (Attorney's Ref. No. 6583-610)
- Serial No. 14/253,464 filed 04/15/2014 (Attorney's Ref. No. 6583-611)
- Serial No. 14/253,755 filed 04/15/2014 (Attorney's Ref. No. 6583-614)
- Serial No. 14/253,015 filed 04/15/2014 (Attorney's Ref. No. 6583-615)
- Serial No. 14/253,727 filed 04/15/2014 (Attorney's Ref. No. 6583-619)
- Serial No. 14/253,199 filed 04/15/2014 (Attorney's Ref. No. 6583-620)
- Serial No. 14/253,067 filed 04/15/2014 (Attorney's Ref. No. 6583-621)
- Serial No. 14/253,144 filed 04/15/2014 (Attorney's Ref. No. 6583-622)
- Serial No. 14/253,078 filed 04/15/2014 (Attorney's Ref. No. 6583-623)
- Serial No. 14/543,535 filed 11/17/2014 (Attorney's Ref. No. 6583-623-CIP)
- Serial No. 14/253,423 filed 04/15/2014 (Attorney's Ref. No. 6583-624)
- Serial No. 14/253,091 filed 04/15/2014 (Attorney's Ref. No. 6583-625)
- Serial No. 14/253,743 filed 04/15/2014 (Attorney's Ref. No. 6583-626)
- Serial No. 14/253,766 filed 04/15/2014 (Attorney's Ref. No. 6583-627)
- Serial No. 14/253,470 filed 04/15/2014 (Attorney's Ref. No. 6583-628)
- Serial No. 14/253,341 filed 04/15/2014 (Attorney's Ref. No. 6583-629)
- Serial No. 14/253,506 filed 04/15/2014 (Attorney's Ref. No. 6583-637)
- Serial No. 14/253,526 filed 04/15/2014 (Attorney's Ref. No. 6583-638)



Other: _____

Submission of the above information is not intended as an admission that any item is citable under the statutes or rules to support a rejection, that any item disclosed represents analogous art, or that those skilled in the art would refer to or recognize the pertinence of any reference without the benefit of hindsight, nor should an inference be drawn as to the pertinence

of the references based on the order in which they are presented. Submission of this statement should not be taken as an indication that a search has been conducted, or that no better art exists.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application and the references made of record therein.

FEES

☒	<p>37 CFR 1.97(b): No fee is believed due in connection with this submission, because the information disclosure statement submitted herewith is satisfied by one of the following conditions ("X" indicates satisfaction):</p> <p>☐ Within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d), or</p> <p>☐ Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application, or</p> <p>☒ Before the mailing date of a first Office Action on the merits, or</p> <p>☐ Before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114.</p> <p>Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p>
☐	<p>37 CFR 1.97(c): The information disclosure statement transmitted herewith is being filed after all the above conditions (37 CFR 1.97(b)), but before the mailing date of any one of the following conditions:</p> <p>(1) a final action under 37 C.F.R. 1.113, or</p> <p>(2) a notice of allowance under 37 C.F.R. 1.311, or</p> <p>(3) an action that otherwise closes prosecution in the application.</p> <p>This Information Disclosure Statement is accompanied by:</p> <p>☐ A Certification (below) as specified by 37 C.F.R. 1.97(e). Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p> <p style="text-align: center;">OR</p> <p>☐ Please charge Deposit Account 19-1970 in the amount of \$180.00 for the fee set forth in 37 C.F.R. 1.17(p) for submission of an information disclosure statement. Please credit any overpayment or charge any underpayment to Deposit Account 19-1970.</p>
☐	<p>37 CFR 1.97(d): This Information Disclosure Statement is being submitted after the period specified in 37 CFR 1.97(c).</p> <p>☐ This information Disclosure Statement includes a Certification (below) as specified by 37 C.F.R. 1.97(e)</p> <p style="text-align: center;">AND</p> <p>☐ Applicants hereby requests consideration of the reference(s) disclosed herein. Please charge Deposit Account 19-1970 in the amount of \$180.00 under 37 C.F.R. 1.17(p). Please credit any overpayment or charge any underpayment to Deposit Account 19-1970. Election to pay the fee should not be taken as an indication that applicant(s) cannot execute a certification.</p>

Certification (37 C.F.R. 1.97(e))

(Applicable only if checked)

- ☐ The undersigned certifies that:
- ☐ Each item of information contained in the Information Disclosure Statement submitted herewith 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 this statement. 37 C.F.R. 1.97(e)(1).
- ☐ A copy of the communication from the foreign patent office is enclosed.

OR

- ☐ No item of information contained in the Information Disclosure Statement submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(2).

Respectfully submitted,

SHERIDAN ROSS P.C.

By: /Douglas W. Swartz/
Douglas W. Swartz
Registration No. 37,739
1560 Broadway, Suite 1200
Denver, Colorado 80202-5141
(303) 863-9700

Date: November 25, 2014

/Alex Dunn/ (12/20/2014)

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20140309869"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/18 16:56
S2	2	"20140309861"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 08:57
S3	4	"20140067201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 09:21
S4	29	"2275955"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 09:23
S5	3	"8578279"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 09:26
S6	3	"8688320"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 09:32
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S8	4	"20120065815"	US-PGPUB;	OR	ON	2014/12/19

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S13	6	((detect\$3 ADJ3 profile) AND (detect\$3 ADJ4 infotain\$4) AND (determin\$3 ADJ3 configuration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:09
S14	4	S13 AND ((H04W12/06 OR H04W12/08 OR H04W36/32 OR H04W48/02 OR H04W4/046 OR H04W4/12 OR H04W4/206 OR H04W76/021).CPC. AND (701/36 OR 701/49 OR 701/1).CCLS.) AND (infotainment ADJ3 information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:29
S15	4	S13 AND ((H04W12/06 OR H04W12/08 OR H04W36/32 OR H04W48/02 OR H04W4/046 OR H04W4/12 OR H04W4/206 OR H04W76/021).CPC. AND (701/36 OR 701/49 OR 701/1).CCLS.) AND ((infotainment OR entertainment) ADJ3 information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:31
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S17	622	S16 AND (user ADJ3 profile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:32
S18	445	S17 AND (user ADJ3 device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:33
S19	28	S18 AND (infotainment ADJ system)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:33
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S21	14	S20 AND detect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:36
S22	13	S21 AND determin\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:36
S23	2627	vehicle AND ((infotainment OR entertainment) ADJ3 information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 15:37
S24	622	S23 AND (user ADJ3 profile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 15:37
S25	445	S24 AND (user ADJ3 device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2014/12/19 15:37

			DERWENT; IBM_TDB			
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S28	14	S27 AND detect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 15:37
S29	13	S28 AND determin\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 15:37
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EAST Search History (Interference)

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12/ 20/ 2014 12:45:51 AM

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BIB DATA SHEET

CONFIRMATION NO. 6723

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
14/253,251	04/15/2014	701	3663	6583-607		
RULE						
APPLICANTS Flextronics AP, LLC, San Jose, CA, Assignee (with 37 CFR 1.172 Interest); INVENTORS Christopher P. Ricci, Saratoga, CA; ** CONTINUING DATA ***** This appln claims benefit of 61/811,981 04/15/2013 and claims benefit of 61/865,954 08/14/2013 and claims benefit of 61/870,698 08/27/2013 and claims benefit of 61/891,217 10/15/2013 and claims benefit of 61/904,205 11/14/2013 and claims benefit of 61/924,572 01/07/2014 and claims benefit of 61/926,749 01/13/2014 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 05/01/2014						
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☐ No Verified and Acknowledged <u>/ALEX C DUNN/</u> Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY CA	SHEETS DRAWINGS 41	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 3
ADDRESS Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202 UNITED STATES						
TITLE INFOTAINMENT SYSTEM BASED ON USER PROFILE						
FILING FEE RECEIVED 2140	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit		

Search Notes 	Application/Control No. 14253251	Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.
	Examiner ALEX C DUNN	Art Unit 3663

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
701	36	12/19/2014	Alex C. Dunn

SEARCH NOTES		
Search Notes	Date	Examiner
lp.com	12/19/2014	Alex C. Dunn
EAST	12/19/2014	Alex C. Dunn

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/A.C.D./ Examiner.Art Unit 3663	
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<i>Index of Claims</i> 	Application/Control No. 14253251	Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.
	Examiner ALEX C DUNN	Art Unit 3663

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant		☐ CPA		☐ T.D.		☐ R.1.47			
CLAIM		DATE							
Final	Original	12/20/2014							
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	17	✓							
	18	O							
	19	✓							
	20	✓							

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	14/253,251
				Filing Date	April 15, 2014
				First Named Inventor	Christopher P. Ricci
				Art Unit	3663
				Examiner Name	DUNN, ALEX C
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	4754255	06/28/1988	Sanders et al.	
	2	5296840	03/22/1994	Gieffers	
	3	5529138	06/25/1996	Shaw et al.	
	4	5825283	10/20/1998	Camhi	
	5	6356838	03/12/2002	Paul	
	6	6557752	05/06/2003	Yacoob	
	7	6563910	05/13/2003	Menard et al.	
	8	6675081	01/06/2004	Shuman et al.	
	9	7295904	11/13/2007	Kanevsky et al.	
	10	7526539	04/28/2009	Hsu	
	11	7667618	02/23/2010	Chitor et al.	
	12	8233919	07/31/2012	Haag et al.	
	13	8862299	11/16/2012	Ricci	
	14	8442758	05/14/2013	Rovik et al.	
	15	8521410	08/27/2013	Mizuno et al.	
	16	8543330	09/24/2013	Taylor et al.	
	17	8552886	10/08/2013	Bensoussan	
	18	8634984	01/21/2014	Sumizawa	
	19	8793034	07/29/2014	Ricci	
	20	8793065	07/29/2014	Seltzer et al.	
	21	8798918	08/05/2014	Onishi et al.	
	22	8818725	08/26/2014	Ricci	
	23	8825277	09/02/2014	McClellan et al.	
	24	8825362	09/02/2014	Kirsch	
	25	8825382	09/02/2014	Liu	
	26	8831826	09/09/2014	Ricci	
	27	8838095	09/16/2014	Jouin	
	28	2002/0026278	02/28/2002	Feldman et al.	
	29	2002/0103622	08/01/2002	Burge	
	30	2003/0065432	04/03/2003	Shuman et al.	
	31	2003/0204290	10/30/2003	Sadler et al.	
	32	2004/0093155	05/13/2004	Simonds et al.	

Examiner Signature	/Alex Dunn/ (12/20/2014)	Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.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. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	14/253,251
				Filing Date	April 15, 2014
				First Named Inventor	Christopher P. Ricci
				Art Unit	3663
				Examiner Name	DUNN, ALEX C
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	33	2004/0153356	08/05/2004	Lockwood et al.	
	34	2004/0204837	10/14/2004	Singleton	
	35	2004/0217850	11/04/2004	Perttunen et al.	
	36	2004/0225557	11/11/2004	Phelan et al.	
	37	2005/0065716	03/24/2005	Timko et al.	
	38	2005/0261815	11/24/2005	Cowelchuk et al.	
	39	2005/0283284	12/22/2005	Grenier et al.	
	40	2006/0036358	02/16/2006	Hale et al.	
	41	2006/0058948	03/16/2006	Blass et al.	
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	43	2008/0033635	02/07/2008	Obradovich et al.	
	44	2008/0086455	04/10/2008	Meisels et al.	
	45	2008/0104227	05/01/2008	Birnie et al.	
	46	2008/0129475	06/05/2008	Breed et al.	
	47	2008/0161986	07/03/2008	Breed	
	48	2009/0125174	05/14/2009	Delean	
	49	2009/0157312	06/18/2009	Black et al.	
	50	2009/0222200	09/03/2009	Link et al.	
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	52	2010/0036560	02/11/2010	Wright et al.	
	53	2010/0087987	04/08/2010	Huang et al.	
	54	2010/0087984	04/08/2010	Joseph	
	55	2010/0125387	05/20/2010	Sehyun et al.	
	56	2010/0125811	05/20/2010	Moore et al.	
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	58	2010/0137037	06/03/2010	Basir	
	59	2010/0145700	06/10/2010	Kennewick et al.	
	60	2010/0222939	09/02/2010	Namburu et al.	
	61	2010/0235891	09/16/2010	Oglesbee et al.	
	62	2010/0274410	10/28/2010	Tsien et al.	
	63	2010/0289643	11/18/2010	Trundle et al.	
	64	2010/0306309	12/02/2010	Santori et al.	
	65	2010/0321151	12/23/2010	Matsuura et al.	
	66	2011/0077808	03/31/2011	Hyde et al.	
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	68	2011/0093438	04/21/2011	Poulsen	
Examiner Signature	/Alex Dunn/ (12/20/2014)			Date Considered	

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	14/253,251
				Filing Date	April 15, 2014
				First Named Inventor	Christopher P. Ricci
				Art Unit	3663
				Examiner Name	DUNN, ALEX C
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	69	2011/0184642	07/28/2011	Rotz et al.	
	70	2011/0257973	10/20/2011	Chutorash et al.	
	71	2011/0291926	12/01/2011	Gokturk et al.	
	72	2011/0309953	12/22/2011	Petite et al.	
	73	2012/0053793	03/01/2012	Sala et al.	
	74	2012/0105613	05/03/2012	Weng et al.	
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	77	2012/0254804	10/04/2012	Shema et al.	
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	79	2012/0316720	12/13/2012	Hyde et al.	
	80	2013/0079964	03/28/2013	Sukkarie et al.	
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	84	2013/0134730	05/30/2013	Ricci	
	85	2013/0135118	05/30/2013	Ricci	
	86	2013/0138591	05/30/2013	Ricci	
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	95	2013/0144461	06/06/2013	Ricci	
	96	2013/0144463	06/06/2013	Ricci et al.	
	97	2013/0144470	06/06/2013	Ricci	
	98	2013/0144486	06/06/2013	Ricci	
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	101	2013/0145065	06/06/2013	Ricci	
	102	2013/0145279	06/06/2013	Ricci	
	103	2013/0145297	06/06/2013	Ricci et al.	
	104	2013/0145360	06/06/2013	Ricci	
Examiner Signature	/Alex Dunn/ (12/20/2014)			Date Considered	

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	14/253,251
				Filing Date	April 15, 2014
				First Named Inventor	Christopher P. Ricci
				Art Unit	3663
				Examiner Name	DUNN, ALEX C
Sheet	4	of	8	Attorney Docket Number	6583-607

	105	2013/0145401	06/06/2013	Ricci	
	106	2013/0145482	06/06/2013	Ricci et al.	
	107	2013/0147638	06/13/2013	Ricci	
	108	2013/0151065	06/13/2013	Ricci	
	109	2013/0151088	06/13/2013	Ricci	
	110	2013/0152003	06/13/2013	Ricci et al.	
	111	2013/0154298	06/20/2013	Ricci	
	112	2013/0158821	06/20/2013	Ricci	
	113	2013/0166097	06/27/2013	Ricci	
	114	2013/0167159	06/27/2013	Ricci et al.	
	115	2013/0218445	08/22/2013	Basir	
	116	2013/0219039	08/22/2013	Ricci	
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Examiner Signature	/Alex Dunn/ (12/20/2014)			Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.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. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	14/253,251
				Filing Date	April 15, 2014
				First Named Inventor	Christopher P. Ricci
				Art Unit	3663
				Examiner Name	DUNN, ALEX C
Sheet	5	of	8	Attorney Docket Number	6583-607

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Examiner Signature	/Alex Dunn/ (12/20/2014)			Date Considered	

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				First Named Inventor	Christopher P. Ricci
				Art Unit	3663
				Examiner Name	DUNN, ALEX C
Sheet	6	of	8	Attorney Docket Number	6583-607

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Examiner Initials*	Cite No. ¹	Document Number Number-kind Code ² (if known)	Filing Date MM-DD-YYYY	Name of Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Examiner Signature	/Alex Dunn/ (12/20/2014)	Date Considered	
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				Art Unit	3663
				Examiner Name	DUNN, ALEX C
Sheet	7	of	8	Attorney Docket Number	6583-607

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NON-PATENT LITERATURE DOCUMENTS		
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Examiner Signature	/Alex Dunn/ (12/20/2014)	Date Considered	
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				Art Unit	3663
				Examiner Name	DUNN, ALEX C
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224	Official Action for U.S. Patent Application No. 14/253,506, mailed Nov. 14, 2014 (Attorney's Ref. No. 6583-637) 9 pages
225	Background of the Invention for the above-captioned application (previously provided)

Examiner Signature	/Alex Dunn/ (12/20/2014)	Date Considered	
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From: PAIR_eOfficeAction@uspto.gov
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Application	Document	Mailroom Date	Attorney Docket No.
14253251	CTNF	12/29/2014	6583-607
	892	12/29/2014	6583-607
	1449	12/29/2014	6583-607
	1449	12/29/2014	6583-607

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Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

Christopher P. RICCI

Application No.: 14/253,251

Filed: April 15, 2014

Atty. File No.: 6583-607

) Group Art Unit: 3663
) Examiner: DUNN, ALEX C.
)
) Confirmation No.: 6723
)
)
)
)

For: "INFOTAINMENT SYSTEM BASED ON USER PROFILE"

AMENDMENT AND RESPONSE

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

Applicant submits this Amendment and Response to address the non-final Office Action having a mailing date of December 29, 2014. Although Applicant believes that no fees are due in connection with the filing of this Amendment and Response, please charge any fees deemed necessary to Deposit Account No. 19-1970.

Please amend the above-identified patent application as follows:

Amendments to the Claims are shown in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 8 of this paper.

Amendments to the Claims:

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

Listing of Claims:

1. (Canceled)
2. (Currently Amended) The method of ~~claim 1~~ claim 8, wherein the at least one infotainment system is a vehicle infotainment system, and wherein prior to detecting the user profile the method further comprises:
 - identifying the user inside a vehicle via one or more sensors associated with the vehicle;
 - and
 - referring, in response to identifying the user, to a memory associated with the identified user, wherein the memory includes the user profile.
3. (Original) The method of claim 2, wherein identifying the user further comprises:
 - receiving identifying characteristics associated with the user via an image sensor or via a signal provided by a device associated with the user; and
 - determining whether the identifying characteristics associated with the user match unique user characteristics stored in a memory, wherein the unique user characteristics are configured to verify an identity of the user.
4. (Currently Amended) The method of ~~claim 1~~ claim 8, wherein detecting the at least one infotainment system associated with the user is based at least partially on one or more of a proximity of a user and a user device to the at least one infotainment system.
5. (Currently Amended) The method of ~~claim 1~~ claim 8, wherein determining to adjust the configuration of the at least one infotainment system further comprises:
 - determining the configuration of the at least one infotainment system; and

determining whether the infotainment information matches the determined configuration of the at least one infotainment system, wherein the infotainment information includes at least one infotainment setting, preference, content, and power state.

6. (Original) The method of claim 5, further comprising:
providing, when the infotainment information does not match the determined configuration of the at least one infotainment system, an adjustment output configured to adjust the configuration of the at least one infotainment system.

7. (Canceled)

8. (Currently Amended) ~~The method of claim 7, wherein determining whether the access priority of the user allows for the adjustment to the configuration of the at least one infotainment system further comprises:~~ A method, comprising:

detecting a user profile associated with a user, the user profile having infotainment information stored therein;

detecting at least one infotainment system associated with the user; and

determining to adjust a configuration of the at least one infotainment system based at least partially on the infotainment information in the user profile, wherein determining to adjust the configuration further comprises:

determining an access priority of the user; and

determining whether the access priority of the user allows for the adjustment to the configuration of the at least one infotainment system, wherein determining whether the access priority of the user allows for the adjustment further comprises:

determining a second access priority of a second user associated with the infotainment system; and

comparing the access priority of the user to the second access priority of the second user, wherein the adjustment is allowed when the access priority of the user is greater than the second access priority of the second user, and wherein the adjustment is prevented when the access priority of the user is less than the second access priority of the second user.

9. (Currently Amended) The method of ~~claim 1~~ claim 8, further comprising:
receiving additional infotainment information via at least one device associated with the user;

determining whether the additional infotainment information qualifies as user profile data; and

storing, based at least partially on determining that the additional infotainment information qualifies as user profile data, the additional infotainment information in the user profile associated with the user.

10. (Currently Amended) The method of ~~claim 1~~ claim 8, further comprising:
adjusting the configuration of the at least one infotainment system, wherein adjusting the configuration includes at least one of tuning to a station, setting an infotainment input, selecting a content genre, and recording content for playback to the user.

11. (Canceled)

12. (Currently Amended) The non-transitory computer readable medium of ~~claim 11~~ claim 18, wherein the at least one infotainment system is a vehicle infotainment system, and wherein prior to detecting the user profile the method further comprises:

identifying the user inside a vehicle via one or more sensors associated with the vehicle;
and

referring, in response to identifying the user, to a memory associated with the identified user, wherein the memory includes the user profile.

13. (Original) The non-transitory computer readable medium of claim 12, wherein identifying the user further comprises:

receiving identifying characteristics associated with the user via an image sensor or via a signal provided by a device associated with the user; and

determining whether the identifying characteristics associated with the user match unique user characteristics stored in a memory, wherein the unique user characteristics are configured to verify an identity of the user.

14. (Currently Amended) The non-transitory computer readable medium of ~~claim 11~~ claim 18, wherein detecting the at least one infotainment system associated with the user is based at least partially on one or more of a proximity of a user and a user device to the at least one infotainment system.

15. (Currently Amended) The non-transitory computer readable medium of ~~claim 11~~ claim 18, wherein determining to adjust the configuration of the at least one infotainment system further comprises:

determining the configuration of the at least one infotainment system; and
determining whether the infotainment information matches the determined configuration of the at least one infotainment system, wherein the infotainment information includes at least one infotainment setting, preference, content, and power state.

16. (Original) The non-transitory computer readable medium of claim 15, wherein the method further comprises:

providing, when the infotainment information does not match the determined configuration of the at least one infotainment system, an adjustment output configured to adjust the configuration of the at least one infotainment system.

17. (Canceled)

18. (Currently Amended) ~~The non-transitory computer readable medium of claim 17, wherein determining whether the access priority of the user allows for the adjustment to the configuration of the at least one infotainment system further comprises:~~ A non-transitory computer readable medium having instructions stored thereon that, when executed by a processor, perform a method comprising:

detecting a user profile associated with a user, the user profile having infotainment information stored therein;

detecting at least one infotainment system associated with the user; and

determining to adjust a configuration of the at least one infotainment system based at least partially on the infotainment information in the user profile, wherein determining to adjust the configuration further comprises:

determining an access priority of the user; and

determining whether the access priority of the user allows for the adjustment to the configuration of the at least one infotainment system, wherein determining whether the access priority of the user allows for the adjustment further comprises:

determining a second access priority of a second user associated with the infotainment system; and

comparing the access priority of the user to the second access priority of the second user, wherein the adjustment is allowed when the access priority of the user is greater than the second access priority of the second user, and wherein the adjustment is prevented when the access priority of the user is less than the second access priority of the second user.

19. (Currently Amended) An infotainment control system, comprising:

a profile identification module contained in a memory and executed by a processor of the infotainment control system, the profile identification module configured to detect a user profile associated with a user, the user profile having infotainment information stored therein, detect at least one infotainment system associated with the user, and determine to adjust a configuration of the at least one infotainment system based at least partially on the infotainment information in the user profile, wherein determining to adjust the configuration comprises determining an access priority of the user, and determining whether the access priority of the user allows for the adjustment to the configuration of the at least one infotainment system, wherein determining whether the access priority of the user allows for the adjustment comprises determining a second access priority of a second user associated with the infotainment system, and comparing the access priority of the user to the second access priority of the second user, wherein the adjustment is allowed when the access priority of the user is greater than the second access priority of the second user, and wherein the adjustment is prevented when the access priority of the user is less than the second access priority of the second user.

20. (Original) The system of claim 19, wherein the at least one infotainment system is a vehicle infotainment system, and wherein prior to detecting the user profile the profile identification module is further configured to identify the user inside a vehicle via one or more sensors associated with the vehicle, and refer, in response to identifying the user, to a memory associated with the identified user, wherein the memory includes the user profile.

21. (New) The method of claim 8, further comprising:
collecting, while the at least one infotainment system is online, additional infotainment information associated with the user; and
storing the additional infotainment information in the user profile associated with the user.

22. (New) The method of claim 21, wherein the additional infotainment information includes one or more of preferred radio stations, content applications, listening content, viewing content, content playback settings, genres, content consumption habits, and recording preferences.

23. (New) The non-transitory computer readable medium of claim 18, wherein the method further comprises:
collecting, while the at least one infotainment system is online, additional infotainment information associated with the user; and
storing the additional infotainment information in the user profile associated with the user.

24. (New) The non-transitory computer readable medium of claim 23, wherein the additional infotainment information includes one or more of preferred radio stations, content applications, listening content, viewing content, content playback settings, genres, content consumption habits, and recording preferences.

ARGUMENTS/REMARKS

Applicant submits this Amendment and Response to respond to the Office Action dated December 29, 2014 (“*Office Action*”). Claims 2, 4, 5, 8-10, 12, 14, 15, 18, and 19 have been amended without intending to abandon or to dedicate to the public any patentable subject matter. Claims 1, 7, 11, and 17 have been canceled without intending to abandon or to dedicate to the public any patentable subject matter. Claims 21-24 have been added. No new matter has been added as a result of these amendments. Support for these amendments can be found in the *Application-as-Filed* at least at the following locations: Fig. 30; ¶¶ [0401]-[0402]; [0436]-[0445]. Accordingly, claims 2-6, 8-10, 12-16, 18-24 are currently pending.

Allowable Subject Matter

Applicant would like to thank the Examiner for indicating that claims 8 and 18 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claim 8 has been rewritten in independent form, including all of the limitations of independent claim 1 and dependent claim 7, and is in condition for allowance. Claim 18 has been rewritten in independent form, including all of the limitations of independent claim 11 and dependent claim 17, and is in condition for allowance.

Claim Rejections Under 35 U.S.C. §102

Claims 1-7, 9-17 and 19-20 have been rejected under 35 U.S.C. §102(a) as anticipated by U.S. Publication No. 2013/0030645 to Divine et al. (“*Divine*”). In order for a rejection under 35 U.S.C. § 102 to be proper, each and every claim element must be found in a single prior art reference. *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631 (Fed. Cir. 1987). *Divine*, however, fails to at least teach, suggest, or describe several features disclosed in the currently amended claims.

Applicant respectfully requests reconsideration of this application as amended. To the extent that *Divine* fails to at least teach, suggest, or disclose all of the elements of the pending independent claims, Applicant submits that the rejections of the independent claims and the dependent claims therefrom should be reconsidered and withdrawn.

The application now appearing to be in form for allowance, early notification of same is respectfully requested. Applicant does not acquiesce to any objection, rejection, or argument not specifically addressed herein. Rather, Applicant believes the amendments and arguments contained herein overcome all objections, rejections, or arguments.

In the event that a telephone conversation would further prosecution and/or expedite allowance, the Examiner is invited to contact the undersigned.

The Commissioner is hereby authorized to charge to deposit account number 19-1970 any fees under 37 CFR § 1.16 and 1.17 that may be required by this paper and to credit any overpayment to that Account. If any extension of time is required in connection with the filing of this paper and has not been separately requested, such extension is hereby Petitioned.

Respectfully submitted,
SHERIDAN ROSS P.C.

Date: March 30, 2015

By: /Thaine Lennox-Gentle/
Thaine Lennox-Gentle
Reg. No. 65,260
1560 Broadway, Suite 1200
Denver, CO 80202
Telephone: 303-863-9700

Electronic Acknowledgement Receipt

EFS ID:	21911630
Application Number:	14253251
International Application Number:	
Confirmation Number:	6723
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE
First Named Inventor/Applicant Name:	Christopher P. Ricci
Customer Number:	111285
Filer:	Thaine Lennox-Gentle/Kathy Johnston
Filer Authorized By:	Thaine Lennox-Gentle
Attorney Docket Number:	6583-607
Receipt Date:	30-MAR-2015
Filing Date:	15-APR-2014
Time Stamp:	12:36:26
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		AMEND_01_6583-607.pdf	114173 31dafb5c4cad329613c12b6cd52dc1fe00a4b50b	yes	9

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	7
	Applicant Arguments/Remarks Made in an Amendment	8	9
Warnings:			
Information:			
Total Files Size (in bytes):		114173	
<p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p>			

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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 14/253,251		Filing Date 04/15/2014		☐ 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					
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*			X \$ =					
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*			X \$ =					
☐ 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)						
AMENDMENT	03/30/2015	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)		
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X \$80 =		0		
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X \$420 =		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 \$ =				
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =				
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
						TOTAL ADD'L FEE				
<p>* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.</p> <p>** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".</p> <p>*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".</p> <p>The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.</p>										

LIE
/BRENDA HARRISON/

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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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

NOTICE OF ALLOWANCE AND FEE(S) DUE

111285 7590 04/10/2015
Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202

EXAMINER

DUNN, ALEX C

ART UNIT

PAPER NUMBER

3663

DATE MAILED: 04/10/2015

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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14/253,251

04/15/2014

Christopher P. Ricci

6583-607

6723

TITLE OF INVENTION: INFOTAINMENT SYSTEM BASED ON USER PROFILE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	07/10/2015

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 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity 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 and an extra copy of the form should be submitted. 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: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax **(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 including the Patent, advance orders and notification of maintenance fees 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.

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.

111285 7590 04/10/2015
Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,251	04/15/2014	Christopher P. Ricci	6583-607	6723

TITLE OF INVENTION: INFOTAINMENT SYSTEM BASED ON USER PROFILE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	07/10/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
DUNN, ALEX C	3663	701-036000

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/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 has been filed for recordation as set forth in 37 CFR 3.11. 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. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

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

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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.
14/253,251	04/15/2014	Christopher P. Ricci	6583-607	6723
111285	7590	04/10/2015	EXAMINER	
Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202			DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3663	

DATE MAILED: 04/10/2015

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 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, 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. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

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 disclosure of these records is required by the Freedom of Information Act.
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 inspection 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.

Notice of Allowability	Application No. 14/253,251	Applicant(s) RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN	Art Unit 3663	AIA (First Inventor to File) Status Yes

-- 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 3/30/2015.
☐ 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 1-20. 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) 2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____	5. ☐ Examiner's Amendment/Comment 6. ☐ Examiner's Statement of Reasons for Allowance 7. ☐ Other _____
--	--

/A. C. D./ Examiner, Art Unit 3663	/THOMAS TARCZA/ Supervisory Patent Examiner, Art Unit 3663
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Issue Classification 	Application/Control No. 14253251	Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.	
	Examiner ALEX C DUNN	Art Unit 3663	

CPC					
Symbol				Type	Version
G07C	9	/	00158	F	2013-01-01
G07C	9	/	00126	I	2013-01-01
G08B	21	/	0205	I	2013-01-01
B60Q	1	/	00	I	2013-01-01
G08B	25	/	016	I	2013-01-01
G08G	1	/	0965	I	2013-01-01
H04W	76	/	021	I	2013-01-01
H04W	48	/	02	I	2013-01-01
H04W	4	/	12	I	2013-01-01
H04W	4	/	206	I	2013-01-01
H04W	84	/	005	A	2013-01-01
G05D	23	/	1917	I	2013-01-01
B60R	16	/	037	I	2013-01-01
G07C	5	/	00	I	2013-01-01
G07C	5	/	008	I	2013-01-01
G05D	1	/	0027	I	2013-01-01
G01C	21	/	00	I	2013-01-01
G06F	17	/	30864	I	2013-01-01
G01C	21	/	34	I	2013-01-01
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B60W	40	/	09	I	2013-01-01
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G06F	17	/	30247	I	2013-01-01
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H04W	4	/	046	I	2013-01-01
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/ALEX C DUNN/ Examiner.Art Unit 3663 (Assistant Examiner)	4/2/2015 (Date)	Total Claims Allowed: 20	
/THOMAS TARCZA/ Supervisory Patent Examiner.Art Unit 3663 (Primary Examiner)	04/03/2015 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 30

Issue Classification 	Application/Control No. 14253251	Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.	
	Examiner ALEX C DUNN	Art Unit 3663	

H04W	36	32	I	2013-01-01
G08G	1	166	I	2013-01-01
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G06Q	10	20	I	2013-01-01
G06Q	30	012	I	2013-01-01
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H04N	21	41422	I	2013-01-01
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H04L	63	08	I	2013-01-01
G08G	1	096725	A	2013-01-01
G08G	1	096741	A	2013-01-01
G08G	1	096775	A	2013-01-01
H04N	7	181	A	2013-01-01
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/ALEX C DUNN/ Examiner.Art Unit 3663 (Assistant Examiner)	4/2/2015 (Date)	Total Claims Allowed: 20	
/THOMAS TARCZA/ Supervisory Patent Examiner.Art Unit 3663 (Primary Examiner)	04/03/2015 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 30

Issue Classification 	Application/Control No. 14253251	Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.	
	Examiner ALEX C DUNN	Art Unit 3663	

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H05K	999	00	I	2013-01-01
H04L	67	10	I	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

/ALEX C DUNN/ Examiner.Art Unit 3663 (Assistant Examiner)	4/2/2015 (Date)	Total Claims Allowed: 20	
/THOMAS TARCZA/ Supervisory Patent Examiner.Art Unit 3663 (Primary Examiner)	04/03/2015 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 30

Issue Classification 	Application/Control No. 14253251	Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.
	Examiner ALEX C DUNN	Art Unit 3663

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
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3	3	18	22												
4	4	19	23												
5	5	20	24												
6	6														
1	8														
7	9														
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10	13														
11	14														
12	15														
13	16														
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15	19														
16	20														

/ALEX C DUNN/ Examiner.Art Unit 3663 (Assistant Examiner)	4/2/2015 (Date)	Total Claims Allowed: 20	
/THOMAS TARCZA/ Supervisory Patent Examiner.Art Unit 3663 (Primary Examiner)	04/03/2015 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 30

Search Notes 	Application/Control No. 14253251	Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.
	Examiner ALEX C DUNN	Art Unit 3663

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
701	36	12/19/2014	Alex C. Dunn

SEARCH NOTES		
Search Notes	Date	Examiner
lp.com	12/19/2014	Alex C. Dunn
EAST	12/19/2014	Alex C. Dunn

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
	Text	4/2/2015	Alex C. Dunn

/A.C.D./ Examiner.Art Unit 3663	
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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20140309869"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/18 16:56
S2	2	"20140309861"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 08:57
S3	4	"20140067201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 09:21
S4	29	"2275955"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 09:23
S5	3	"8578279"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 09:26
S6	3	"8688320"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 09:32
S7	13	"7142696"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 09:34
S8	4	"20120065815"	US-PGPUB;	OR	ON	2014/12/19

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S15	4	S13 AND ((H04W12/06 OR H04W12/08 OR H04W36/32 OR H04W48/02 OR H04W4/046 OR H04W4/12 OR H04W4/206 OR H04W76/021).CPC. AND (701/36 OR 701/49 OR 701/1).CCLS.) AND ((infotainment OR entertainment) ADJ3 information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:31
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S17	622	S16 AND (user ADJ3 profile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:32
S18	445	S17 AND (user ADJ3 device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:33
S19	28	S18 AND (infotainment ADJ system)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:33
S20	18	S19 NOT ricci	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:34
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S22	13	S21 AND determin\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 11:36
S23	2627	vehicle AND ((infotainment OR entertainment) ADJ3 information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 15:37
S24	622	S23 AND (user ADJ3 profile)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 15:37
S25	445	S24 AND (user ADJ3 device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2014/12/19 15:37

			DERWENT; IBM_TDB			
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S27	18	S26 NOT ricci	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 15:37
S28	14	S27 AND detect\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 15:37
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S30	11	S29 AND @ay< "2013"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/19 15:37

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	((detecting ADJ3 profile) SAME7 (associated ADJ3 user) SAME7 (infotainment ADJ information) SAME7 (detecting ADJ3 one) SAME7 (user ADJ profile) SAME7 (infotainment ADJ system) SAME7 (adjust ADJ2 configuration) SAME7 (access ADJ priority) SAME7 (adjustment ADJ3 configuration) SAME7 (second ADJ access) SAME7 (second ADJ user) SAME7 (comparing ADJ3 priority) SAME7 (adjustment ADJ3 allowed) SAME7 (priority ADJ5 greater) SAME7 (access ADJ priority) SAME7 (second ADJ2 priority) SAME7 (adjustment ADJ2 prevented) SAME7 (less ADJ3 second)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/02 08:42

4/ 2/ 2015 8:45:25 AM
C:\ Users\ adunn\ Documents\ EAST\ Workspaces\ 14253251.wsp

To: flexpatents@sheridanross.com,edocket@sheridanross.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 111285

Apr 10, 2015 10:21:15 AM

Dear PAIR Customer:

Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 111285 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

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Application	Document	Mailroom Date	Attorney Docket No.
14253251	NOA	04/10/2015	6583-607

To view your correspondence online or update your email addresses, please visit us anytime at <https://sportal.uspto.gov/secure/myportal/privatepair>.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

PRINTER RUSH

(PTO ASSISTANCE)

Application: 14253251

Examiner: Dunn

GAU: 3663

From: Nran Hem

Location: IDC

Creation Date: 04/28/2015

Tracking #: Week Date: 04/06/2015

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
☐ 1449		☐ Continuing Data
☐ IDS		☐ Foreign Priority
☒ CLM	<u>03/30/2015</u>	☐ Document Legibility
☒ IIFW/FWCLM	<u>04/10/2015</u>	☐ Fees
☐ SRFW		☐ Petition (TC)
☐ DRW		☐ Other
☐ OATH		
☐ 312		
☐ SPEC		

[RUSH] Message:

1. Renumbered claims 9, 11, 12 (original claims 12, 14, 15) depends on renumbered claim 14 (original claim 18). A claim can not depend on a subsequent renumbered claim.
2. Claim allowance on Claim set and index of claim do not match with NOA PTOL-37.

thank you

[XRUSH] Response:

Initials: _____

Examiner: PUBS contacts - for DESIGNS: Don Fairchild, 703-756-1566; for ALL OTHER files: Bernadette Queen, 703-756-1565.

NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.

REV: Oct 11

PRINTER RUSH

(PTO ASSISTANCE)

Application: 14253251

Examiner: Dunn

GAU: 3663

From: Nran Hem

Location: IDC

Creation Date: 04/28/2015

Tracking #: Week Date: 04/06/2015

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
☐ 1449		☐ Continuing Data
☐ IDS		☐ Foreign Priority
☒ CLM	<u>03/30/2015</u>	☐ Document Legibility
☒ IIFW/FWCLM	<u>04/10/2015</u>	☐ Fees
☐ SRFW		☐ Petition (TC)
☐ DRW		☐ Other
☐ OATH		
☐ 312		
☐ SPEC		

[RUSH] Message:

1. Renumbered claims 9, 11, 12 (original claims 12, 14, 15) depends on renumbered claim 14 (original claim 18). A claim can not depend on a subsequent renumbered claim.
2. Claim allowance on Claim set and index of claim do not match with NOA PTOL-37.

thank you

[XRUSH] Response:

Inconsistent claim numbering corrected.
/ACD/
4/30/2015

Initials: _____

Examiner: PUBS contacts - for DESIGNS: Don Fairchild, 703-756-1566; for ALL OTHER files: Bernadette Queen, 703-756-1565.

NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.

REV: Oct 11



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,251	04/15/2014	Christopher P. Ricci	6583-607	6723
111285	7590	05/08/2015	EXAMINER	
Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202			DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			05/08/2015	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):

flexpatents@sheridanross.com
edocket@sheridanross.com

Corrected Notice of Allowability	Application No. 14/253,251 Examiner ALEX C. DUNN	Applicant(s) RICCI, CHRISTOPHER P. Art Unit 3663 AIA (First Inventor to File) Status Yes
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-- 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 3/30/2015.
☐ 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 2-6,8-10,12-16 and 18-24. 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) 2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.	5. ☐ Examiner's Amendment/Comment 6. ☐ Examiner's Statement of Reasons for Allowance 7. ☒ Other <u>see continuation sheet</u> .
--	---

/A. C. D./ Examiner, Art Unit 3663	/THOMAS TARCZA/ Supervisory Patent Examiner, Art Unit 3663
---------------------------------------	---

This corrected NOA is only to fix inconsistent claim numbering among the previous NOA, the issue classification and the latest amended claims.

Issue Classification 	Application/Control No. 14253251	Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.	
	Examiner ALEX C DUNN	Art Unit 3663	

CPC					
Symbol				Type	Version
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H04W	12	/	08	A	2013-01-01
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G08B	21	/	06	A	2013-01-01
G08B	29	/	188	A	2013-01-01
G06F	3	/	0488	A	2013-01-01

/ALEX C DUNN/ Examiner.Art Unit 3663 (Assistant Examiner)	4/2/2015 (Date)	Total Claims Allowed: 20	
/THOMAS TARCZA/ Supervisory Patent Examiner.Art Unit 3663 (Primary Examiner)	04/03/2015 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 30

Issue Classification 	Application/Control No. 14253251	Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.
	Examiner ALEX C DUNN	Art Unit 3663

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G06F	21	32		2013-01-01
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H05K	999	00		2013-01-01
H04L	67	10		2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

/ALEX C DUNN/ Examiner.Art Unit 3663 (Assistant Examiner)	4/2/2015 (Date)	Total Claims Allowed: 20	
/THOMAS TARCZA/ Supervisory Patent Examiner.Art Unit 3663 (Primary Examiner)	04/03/2015 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 30

Issue Classification 	Application/Control No. 14253251	Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.
	Examiner ALEX C DUNN	Art Unit 3663

US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION										
CLASS			SUBCLASS			CLAIMED					NON-CLAIMED					
701			36			B	6	0	R	16 / 037 (2006.01.01)						
CROSS REFERENCE(S)																
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)															
							</									

/ALEX C DUNN/ Examiner.Art Unit 3663 (Assistant Examiner)	4/2/2015 (Date)	Total Claims Allowed: 20	
/THOMAS TARCZA/ Supervisory Patent Examiner.Art Unit 3663 (Primary Examiner)	04/03/2015 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 30

Issue Classification 	Application/Control No. 14253251	Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.
	Examiner ALEX C DUNN	Art Unit 3663

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
2	2	17	21												
3	3	18	22												
4	4	19	23												
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/ALEX C DUNN/ Examiner.Art Unit 3663 (Assistant Examiner)	4/2/2015 (Date)	Total Claims Allowed: 20	
/THOMAS TARCZA/ Supervisory Patent Examiner.Art Unit 3663 (Primary Examiner)	04/03/2015 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 30

To: flexpatents@sheridanross.com,edocket@sheridanross.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 111285

May 08, 2015 05:28:50 AM

Dear PAIR Customer:

Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 111285 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

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Application	Document	Mailroom Date	Attorney Docket No.
14253251	NOA	05/08/2015	6583-607

To view your correspondence online or update your email addresses, please visit us anytime at <https://sportal.uspto.gov/secure/myportal/privatepair>.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/253,251
				Filing Date	April 15, 2014
				First Named Inventor	Christopher P. Ricci
				Art Unit	3663
				Examiner Name	DUNN, ALEX C
Sheet	1	of	1	Attorney Docket Number	6583-607

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	2002/0077985	06/20/2002	Kobata et al.	
	2	2002/0126876	09/12/2002	Paul et al.	
	3	2010/0106418	04/29/2010	Kindo et al.	
	4	2010/0304640	12/02/2010	Sofman et al.	
	5	2011/0040438	02/17/2011	Kluge et al.	
	6	2011/0309926	12/22/2011	Eikelenberg et al.	
	7	2012/0059789	03/08/2012	Sakai et al.	
	8	2014/0028542	01/30/2014	Lovitt et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ , Number ⁴ , Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

NON-PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	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, page(s), volume-issue number(s), publisher, city and/or country where published.
	9	Official Action for U.S. Patent Application No. 14/253,2014, mailed Jan. 26, 2015 (Attorney's Ref. No. 6583-561) 6 pages
	10	Official Action for U.S. Patent Application No. 14/253,2014, mailed May 11, 2015 (Attorney's Ref. No. 6583-561) 5 pages

Examiner Signature	Date Considered
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*EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.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. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Electronic Acknowledgement Receipt

EFS ID:	22863172
Application Number:	14253251
International Application Number:	
Confirmation Number:	6723
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE
First Named Inventor/Applicant Name:	Christopher P. Ricci
Customer Number:	111285
Filer:	Douglas W. Swartz/Theresa Brown
Filer Authorized By:	Douglas W. Swartz
Attorney Docket Number:	6583-607
Receipt Date:	08-JUL-2015
Filing Date:	15-APR-2014
Time Stamp:	18:52:12
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Other Reference-Patent/App/Search documents	6583-561_OA_01-26-2015.pdf	214388 1e2966c13d3e1faaf41a0b91299a351b247568e6	no	6

Warnings:

Information:

2	Other Reference-Patent/App/Search documents	6583-561_NOA_05-11-2015.pdf	808704 9190e476ac3bef0f11aac463eb6141460a780d0b	no	5
Warnings:					
Information:					
3		IDS_02.pdf	110111 278bc93bd3d9957dae962672c64586c67e9467cf	yes	3
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	2	
	Information Disclosure Statement (IDS) Form (SB08)		3	3	
Warnings:					
Information:					
Total Files Size (in bytes):			1133203		
<p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p>					



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,204	04/15/2014	Christopher P. Ricci	6583-561	7690
111285	7590	01/26/2015	EXAMINER	
Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202			DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			01/26/2015	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):

flexpatents@sheridanross.com
edocket@sheridanross.com

Office Action Summary	Application No. 14/253,204	Applicant(s) RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN	Art Unit 3663	AIA (First Inventor to File) Status Yes

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 4/15/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ 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.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) _____ is/are allowed.
- 7) ☒ Claim(s) 1-7,9,11-17,19 and 20 is/are rejected.
- 8) ☒ Claim(s) 8,10 and 18 is/are objected to.
- 9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, 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.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 4/15/2014 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) ☒ Notice of References Cited (PTO-892) | 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date _____ | 4) ☐ Other: _____ |

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Claim Rejections - 35 USC § 102

2. 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 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.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(2) the claimed invention was described in a patent issued under section 151, or in an application for patent published or deemed published under section 122(b), in which the patent or application, as the case may be, names another inventor and was effectively filed before the effective filing date of the claimed invention.

4. **Claims 1 – 20 are rejected under 35 U.S.C. 102(a)(2) as being anticipated by Lovitt et al., (20140028542).**

5. (Claims 1 - 6, 11 - 15, 19 and 20): Lovitt discloses a method and system, comprising: determining a location inside a vehicle associated with a user (fig. 4; [0005 - 0006]); determining at least one vehicle control associated with the location inside the vehicle ([0010]); referring to a user profile memory associated with the user for vehicle control settings (abstract; figs. 1 and 5); and determining, based at least partially on the

vehicle control settings, to adjust the at least one vehicle control associated with the location inside the vehicle ([0019 - 0021]; [0027 - 0029]).

6. (Claims 7 and 16): Lovitt discloses a method and system, wherein determining the presence of the user inside the vehicle further comprises: detecting a person via at least one image sensor associated with the vehicle (fig. 1); identifying facial features associated with the person detected via the at least one image sensor ([0005 - 0007]); and determining whether the identified facial features associated with the person match user characteristics stored in a memory ([0025]).

7. (Claims 9 and 17): Lovitt discloses a method and system further comprising: determining that the user made a change to the adjusted at least one vehicle control ([0030]); and storing the change made to the adjusted at least one vehicle control in the user profile memory ([0027 - 0028]).

Allowable Subject Matter

8. Claims 8, 10 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please refer to form 892 for cited references.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALEX C. DUNN whose telephone number is (571)270-5323. The examiner can normally be reached on Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Tarcza can be reached on 26979. 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). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ALEX C. DUNN
Examiner, Art Unit 3663

/THOMAS TARCZA/

Supervisory Patent Examiner, Art Unit 3663

Notice of References Cited	Application/Control No. 14/253,204		Applicant(s)/Patent Under Reexamination RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN		Art Unit 3663	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2002/0077985 A1	06-2002	Kobata et al.	705/51
*	B	US-2002/0126876 A1	09-2002	Paul et al.	382/104
*	C	US-2004/0225557 A1	11-2004	Phelan et al.	705/011
*	D	US-2009/0284359 A1	11-2009	Huang et al.	340/426.1
*	E	US-2010/0106418 A1	04-2010	Kindo et al.	701/300
*	F	US-2010/0304640 A1	12-2010	Sofman et al.	446/456
*	G	US-2011/0040438 A1	02-2011	Kluge et al.	701/29
*	H	US-2011/0309926 A1	12-2011	Eikelenberg et al.	340/439
*	I	US-2012/0059789 A1	03-2012	Sakai et al.	706/52
*	J	US-2014/0028542 A1	01-2014	Lovitt et al.	345/156
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



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NOTICE OF ALLOWANCE AND FEE(S) DUE

111285 7590 05/11/2015
Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202

EXAMINER

DUNN, ALEX C

ART UNIT

PAPER NUMBER

3663

DATE MAILED: 05/11/2015

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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14/253,204

04/15/2014

Christopher P. Ricci

6583-561

7690

TITLE OF INVENTION: CUSTOMIZATION OF VEHICLE CONTROLS AND SETTINGS BASED ON USER PROFILE DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	08/11/2015

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 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity 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 and an extra copy of the form should be submitted. 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: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (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 including the Patent, advance orders and notification of maintenance fees 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.

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.

111285 7590 05/11/2015
Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,204	04/15/2014	Christopher P. Ricci	6583-561	7690

TITLE OF INVENTION: CUSTOMIZATION OF VEHICLE CONTROLS AND SETTINGS BASED ON USER PROFILE DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	08/11/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
DUNN, ALEX C	3663	701-049000

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/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 has been filed for recordation as set forth in 37 CFR 3.11. 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. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies _____	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).
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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

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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,204	04/15/2014	Christopher P. Ricci	6583-561	7690
111285	7590	05/11/2015	EXAMINER	
Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202			DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3663	

DATE MAILED: 05/11/2015

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 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, 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. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

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 disclosure of these records is required by the Freedom of Information Act.
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 inspection 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.

Notice of Allowability	Application No. 14/253,204	Applicant(s) RICCI, CHRISTOPHER P.	
	Examiner ALEX C. DUNN	Art Unit 3663	AIA (First Inventor to File) Status Yes

-- 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 4/27/2015.
☐ 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 4-10, 13-19 and 21-26. 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) 2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____	5. ☐ Examiner's Amendment/Comment 6. ☐ Examiner's Statement of Reasons for Allowance 7. ☐ Other _____
--	--

/A. C. D./ Examiner, Art Unit 3663	/THOMAS TARCZA/ Supervisory Patent Examiner, Art Unit 3663
---------------------------------------	---

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:	)	Group Art Unit: 3663
Christopher P. Ricci	)	Confirmation No.: 6723
Serial No.: 14/253,251	)	Examiner: DUNN, ALEX C
Filed: April 15, 2014	)	
Atty. File No.: 6583-607	)	<u>SUPPLEMENTAL</u>
Entitled: "Infotainment System Based on User	)	<u>INFORMATION DISCLOSURE</u>
Profile"	)	<u>STATEMENT</u>
	)	<i>Electronically Submitted</i>

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

The references cited on attached Form PTO/SB08 are being called to the attention of the Examiner.

- ☒ Copies of the cited non-patent and/or foreign references are enclosed herewith.
- ☐ Copies of the cited U.S. patents and/or patent applications are enclosed herewith.
- ☒ Copies of the cited U.S. patents/patent application publications are not enclosed in accordance with 37 C.F.R. § 1.98(a).
- ☐ Copies of the cited references are not enclosed, in accordance with 37 C.F.R. § 1.98(d), because the references were cited by or submitted to the U.S. Patent and Trademark Office in prior application Serial No. _____ filed _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120.
- ☐ To the best of applicants' belief, the pertinence of the foreign-language references is believed to be summarized in the attached English abstracts and/or in the figures, although applicants do not necessarily vouch for the accuracy of the translation.
- ☐ Examiner's attention is drawn to the following related applications:
- Serial No. _____ filed _____ (Attorney Ref. No. _____)
- Serial No. _____ filed _____ (Attorney Ref. No. _____)
- ☐ Other: _____

Submission of the above information is not intended as an admission that any item is citable under the statutes or rules to support a rejection, that any item disclosed represents analogous art, or that those skilled in the art would refer to or recognize the pertinence of any reference without the benefit of hindsight, nor should an inference be drawn as to the pertinence

of the references based on the order in which they are presented. Submission of this statement should not be taken as an indication that a search has been conducted, or that no better art exists.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application and the references made of record therein.

Respectfully submitted,

SHERIDAN ROSS P.C.

By: ^{DWS} /Douglas W. Swartz/
Douglas W. Swartz
Registration No. 37739
1560 Broadway, Suite 1200
Denver, Colorado 80202-5141
(303) 863-9700

Date: July 8, 2015



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,251	04/15/2014	Christopher P. Ricci	6583-607	6723
7590 Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202			EXAMINER DUNN, ALEX C	
			ART UNIT 3663	PAPER NUMBER
			NOTIFICATION DATE 07/13/2015	DELIVERY MODE ELECTRONIC

NOTICE OF NON-COMPLIANT INFORMATION DISCLOSURE STATEMENT

An Information Disclosure Statement (IDS) filed 07-08-15 in the above-identified application fails to meet the requirements of 37 CFR 1.97(d) for the reason(s) specified below. Accordingly, the IDS will be placed in the file, but the information referred to therein has not been considered.

The IDS is not compliant with 37 CFR 1.97(d) because:

- ☒ The IDS lacks a statement as specified in 37 CFR 1.97(e).
- ☐ The IDS lacks the fee set forth in 37 CFR 1.17(p).
- ☐ The IDS was filed after the issue fee was paid. Applicant may wish to consider filing a petition to withdraw the application from issue under 37 CFR 1.313(c) to have the IDS considered. See MPEP 1308.

Amy Geyser

571-272-4200 or 1-888-786-0101
Application Assistance Unit
Office of Data Management

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (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 including the Patent, advance orders and notification of maintenance fees 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.

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.

111285 7590 04/10/2015
Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,251	04/15/2014	Christopher P. Ricci	6583-607	6723

TITLE OF INVENTION: INFOTAINMENT SYSTEM BASED ON USER PROFILE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	07/10/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
DUNN, ALEX C	3663	701-036000

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/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,
- (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 Sheridan Ross P.C.

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 has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

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

Flextronics AP, LLC

San Jose, CA

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

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

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

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 19-1970 (enclose an extra copy of this form).

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 /Douglas W. Swartz/

Date July 10, 2015

Typed or printed name Douglas W. Swartz

Registration No. 37,739

Electronic Patent Application Fee Transmittal

Application Number:	14253251			
Filing Date:	15-Apr-2014			
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE			
First Named Inventor/Applicant Name:	Christopher P. Ricci			
Filer:	Douglas W. Swartz/Amy Duarte			
Attorney Docket Number:	6583-607			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl Issue Fee	1501	1	960	960

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				960

Electronic Acknowledgement Receipt

EFS ID:	22881442
Application Number:	14253251
International Application Number:	
Confirmation Number:	6723
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE
First Named Inventor/Applicant Name:	Christopher P. Ricci
Customer Number:	111285
Filer:	Douglas W. Swartz/Amy Duarte
Filer Authorized By:	Douglas W. Swartz
Attorney Docket Number:	6583-607
Receipt Date:	10-JUL-2015
Filing Date:	15-APR-2014
Time Stamp:	12:34:12
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$960
RAM confirmation Number	9829
Deposit Account	191970
Authorized User	SWARTZ, DOUGLAS W.

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Rule_312_Amendment_6583-607.pdf	141852 <div>300ffc120f51c970967a33e7b9fad0fe6ba10d0d</div>	yes	4
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Amendment after Notice of Allowance (Rule 312)		1	1	
	Specification		2	3	
	Applicant Arguments/Remarks Made in an Amendment		4	4	
Warnings:					
Information:					
2	Issue Fee Payment (PTO-85B)	Issue-fee-transmittal_6583-607.pdf	94118 <div>d86bf628973bbea41265d6b3a7bd4a99a279a242</div>	no	1
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30852 <div>c9c381cb07529146db0c68c291d313984af27b60</div>	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			266822		

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 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

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

In Re the Application of:

RICCI, Christopher P.

Serial No.: 14/253,251

Filed: April 15, 2014

Atty. File No.: 6583-607

Entitled: "INFOTAINMENT SYSTEM BASED
ON USER PROFILE"

Group Art Unit: 3663

Confirmation No.: 6723

Examiner: DUNN, ALEX C

Submitted Via EFS-Web

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AFTER ALLOWANCE PURSUANT TO 37 CFR § 1.312

Dear Sir/Madam:

Applicant submits this Amendment After Allowance pursuant to 37 CFR § 1.312 in response to the Notice of Allowance and Fee(s) Due having a mailing date of April 10, 2015. An amendment may be entered after the mailing of a Notice of Allowance but prior to payment of the issue fee upon the recommendation of the primary examiner. Therefore, it is respectfully requested that the above-referenced application be amended as follows:

Amendments to the Specification begin on page **2** of this paper.

Remarks/Arguments begin on page **4** of this paper.

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0377] of the specification as follows:

[0377] In one example, a virtual personality may be represented by an avatar. The avatar may be an intelligent assistant, a virtual assistant, and/or an intelligent virtual assistant as described in application PCT/US14/____PCT/US14/34194, filed on April 15, 2014, entitled “~~Vehicle-Based Multimode Discovery~~Intelligent Vehicle for Assisting Vehicle Occupants and Incorporating Vehicle Crate for Blade Processors” (Attorney Docket No. 6583-585-PCT), which is hereby incorporated herein by reference, in its entirety, for all that it teaches and for all purposes. The avatar may be presented as a theme, color, specific sound output, other user preference, etc., and/or combinations thereof. For instance, the avatar may be configured as one or more icons, figures, colors, and/or themes that are configured to represent the virtual personality.

Please amend paragraph [0462] of the specification as follows:

[0462] This application is also related to PCT Patent Application Nos.
PCT/US14/34092PCT/US14/____, filed on April 15, 2014, entitled, “Building Profiles Associated with Vehicle Users” (Attorney Docket No. 6583-543-PCT);
PCT/US14/34099PCT/US14/____, filed on April 15, 2014, entitled “Access and Portability of User Profiles Stored as Templates” (Attorney Docket No. 6583-544-PCT);
PCT/US14/34087PCT/US14/____, filed on April 15, 2014, entitled “User Interface and Virtual Personality Presentation Based on User Profile” (Attorney Docket No. 6583-547-PCT);
PCT/US14/34088PCT/US14/____, filed on April 15, 2014, entitled “Creating Targeted Advertising Profiles Based on User Behavior” (Attorney Docket No. 6583-549-PCT);
PCT/US14/34232PCT/US14/____, filed on April 15, 2014, entitled “Behavior Modification via Altered Map Routes Based on User Profile Information” (Attorney Docket No. 6583-550-PCT);
PCT/US14/34098PCT/US14/____, filed on April 15, 2014, entitled “Vehicle Location-Based Home Automation Triggers” (Attorney Docket No. 6583-556-PCT);
PCT/US14/34108PCT/US14/____, filed on April 15, 2014, entitled “Vehicle Initiated Communications with Third Parties via Virtual Personalities” (Attorney Docket No. 6583-559-PCT); PCT/US14/34101PCT/US14/____, filed on April 15, 2014, entitled “Vehicle Intruder

Alert Detection and Indication” (Attorney Docket No. 6583-562-PCT);

PCT/US14/34103~~PCT/US14/_____~~, filed on April 15, 2014, entitled “Driver Facts Behavior Information Storage System” (Attorney Docket No. 6583-565-PCT);

PCT/US14/34114~~PCT/US14/_____~~, filed on April 15, 2014, entitled “Synchronization Between Vehicle and User Device Calendar” (Attorney Docket No. 6583-567-PCT);

PCT/US14/34125~~PCT/US14/_____~~, filed on April 15, 2014, entitled “User Gesture Control of Vehicle Features” (Attorney Docket No. 6583-569-PCT); PCT/US14/34254~~PCT/US14/_____~~,

filed on April 15, 2014, entitled “Central Network for the Automated Control of Vehicular

Traffic” (Attorney Docket No. 6583-574-PCT); and PCT/US14/34194~~PCT/US14/_____~~, filed on

April 15, 2014, entitled “Intelligent Vehicle for Assisting Vehicle Occupants and Incorporating

Vehicle Crate for Blade Processors~~Vehicle-Based Multimode Discovery~~” (Attorney Docket No.

6583-585-PCT). The entire disclosures of the applications listed above are hereby incorporated by reference, in their entirety, for all that they teach and for all purposes.

REMARKS/ARGUMENTS

The amendments to specification insert omitted application serial numbers and correct certain application titles referenced therein. The amendments do not require an additional search or examination.

Accordingly, Applicant believes that the requirements of 37CFR§1.312 and MPEP§714.16 have been satisfied and entry of this amendment is respectfully requested. Although no fees are believed to be due with the filing of this paper, please charge any deficiency or credit any overpayment to Deposit Account 19-1970.

Respectfully submitted,

SHERIDAN ROSS P.C.

By: /Douglas W. Swartz/
Douglas W. Swartz
Registration No. 37,739
1560 Broadway, Suite 1200
Denver, Colorado 80202-5141
(303) 863-9700

Date: July 10, 2015

To: flexpatents@sheridanross.com,edocket@sheridanross.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 111285

Jul 13, 2015 05:19:44 AM

Dear PAIR Customer:

Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 111285 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

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Application	Document	Mailroom Date	Attorney Docket No.
14253251	M327	07/13/2015	6583-607

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Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

PRINTER RUSH

(PTO ASSISTANCE)

Application: 14253251

Examiner: Dunn

GAU: 3663

From: Chuck Bowen

Location: RTFM

Creation Date: 07/13/2015

Tracking #: Week Date:

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
☐ 1449		☐ Continuing Data
☐ IDS		☐ Foreign Priority
☐ CLM		☐ Document Legibility
☐ IIFW/FWCLM		☐ Fees
☐ SRFW		☐ Petition (TC)
☐ DRW		☐ Other
☐ OATH		
☒ 312	<u>07/10/2015</u>	
☐ SPEC		

[RUSH] Message:

Please respond to the 07/10/15 A.NA.

Thank you.

CB

[XRUSH] Response:

Initials: _____

NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.
REV: JUL 15

PRINTER RUSH

(PTO ASSISTANCE)

Application: 14253251

Examiner: Dunn

GAU: 3663

From: Chuck Bowen

Location: RTFM

Creation Date: 07/13/2015

Tracking #: Week Date:

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
☐ 1449		☐ Continuing Data
☐ IDS		☐ Foreign Priority
☐ CLM		☐ Document Legibility
☐ IIFW/FWCLM		☐ Fees
☐ SRFW		☐ Petition (TC)
☐ DRW		☐ Other
☐ OATH		
☒ 312	<u>07/10/2015</u>	
☐ SPEC		

[RUSH] Message:

Please respond to the 07/10/15 A.NA.

Thank you.

CB

[XRUSH] Response:

Initials: _____

NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.
REV: JUL 15

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0377] of the specification as follows:

[0377] In one example, a virtual personality may be represented by an avatar. The avatar may be an intelligent assistant, a virtual assistant, and/or an intelligent virtual assistant as described in application PCT/US14/____PCT/US14/34194, filed on April 15, 2014, entitled “~~Vehicle-Based Multimode Discovery~~Intelligent Vehicle for Assisting Vehicle Occupants and Incorporating Vehicle Crate for Blade Processors” (Attorney Docket No. 6583-585-PCT), which is hereby incorporated herein by reference, in its entirety, for all that it teaches and for all purposes. The avatar may be presented as a theme, color, specific sound output, other user preference, etc., and/or combinations thereof. For instance, the avatar may be configured as one or more icons, figures, colors, and/or themes that are configured to represent the virtual personality.

Please amend paragraph [0462] of the specification as follows:

[0462] This application is also related to PCT Patent Application Nos.
PCT/US14/34092PCT/US14/____, filed on April 15, 2014, entitled, “Building Profiles Associated with Vehicle Users” (Attorney Docket No. 6583-543-PCT);
PCT/US14/34099PCT/US14/____, filed on April 15, 2014, entitled “Access and Portability of User Profiles Stored as Templates” (Attorney Docket No. 6583-544-PCT);
PCT/US14/34087PCT/US14/____, filed on April 15, 2014, entitled “User Interface and Virtual Personality Presentation Based on User Profile” (Attorney Docket No. 6583-547-PCT);
PCT/US14/34088PCT/US14/____, filed on April 15, 2014, entitled “Creating Targeted Advertising Profiles Based on User Behavior” (Attorney Docket No. 6583-549-PCT);
PCT/US14/34232PCT/US14/____, filed on April 15, 2014, entitled “Behavior Modification via Altered Map Routes Based on User Profile Information” (Attorney Docket No. 6583-550-PCT);
PCT/US14/34098PCT/US14/____, filed on April 15, 2014, entitled “Vehicle Location-Based Home Automation Triggers” (Attorney Docket No. 6583-556-PCT);
PCT/US14/34108PCT/US14/____, filed on April 15, 2014, entitled “Vehicle Initiated Communications with Third Parties via Virtual Personalities” (Attorney Docket No. 6583-559-PCT); PCT/US14/34101PCT/US14/____, filed on April 15, 2014, entitled “Vehicle Intruder



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,251	04/15/2014	Christopher P. Ricci	6583-607	6723
111285	7590	07/22/2015	EXAMINER	
Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202			DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			07/22/2015	ELECTRONIC

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

flexpatents@sheridanross.com
edocket@sheridanross.com

<i>Response to Rule 312 Communication</i>	Application No. 14/253,251	Applicant(s) RICCI, CHRISTOPHER P.
	Examiner ALEX C. DUNN	Art Unit 3663

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

1. ☒ The amendment filed on 08 July 2015 under 37 CFR 1.312 has been considered, and has been:

a) ☐ entered.

b) ☒ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.

/THOMAS TARCZA/
Supervisory Patent Examiner, Art Unit 3663

/A. C. D./
Examiner, Art Unit 3663

To: flexpatents@sheridanross.com,edocket@sheridanross.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 111285

Jul 22, 2015 05:27:58 AM

Dear PAIR Customer:

Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 111285 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

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Application	Document	Mailroom Date	Attorney Docket No.
14253251	N271	07/22/2015	6583-607

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PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

PRINTER RUSH

(PTO ASSISTANCE)

Application: 14253251

Examiner: Dunn, A.

GAU: 3663

From: Marty Willis

Location: RTFM

Creation Date: 08/21/2015

Tracking #: Week Date:

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
☐ 1449		☐ Continuing Data
☐ IDS		☐ Foreign Priority
☐ CLM		☐ Document Legibility
☐ IIFW/FWCLM		☐ Fees
☐ SRFW		☐ Petition (TC)
☐ DRW		☒ Other
☐ OATH		
☒ 312	<u>07/10/2015</u>	
☒ SPEC	<u>07/10/2015</u>	

[RUSH] Message:

The 7-22-15 N271 approves a 7-8-15 amendment that is not found in the file. Is the 7-10-15 amendment approved? Please resolve.

Thank you,
AMW

[XRUSH] Response:

Initials: _____

NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.
REV: JUL 15

PRINTER RUSH

(PTO ASSISTANCE)

Application: 14253251

Examiner: Dunn, A.

GAU: 3663

From: Marty Willis

Location: RTFM

Creation Date: 08/21/2015

Tracking #: Week Date:

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
☐ 1449		☐ Continuing Data
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☐ SRFW		☐ Petition (TC)
☐ DRW		☒ Other
☐ OATH		
☒ 312	<u>07/10/2015</u>	
☒ SPEC	<u>07/10/2015</u>	

[RUSH] Message:

The 7-22-15 N271 approves a 7-8-15 amendment that is not found in the file. Is the 7-10-15 amendment approved? Please resolve.

Thank you,
AMW

[XRUSH] Response:

7/10/15 spec amendment was approved for entry on 7/17/2015. Please see previous XRUSH on lines 8 and 10 of PE2E. It is unclear why the 'Other' box above is checked.

/ACD/
8/25/2015

Initials: _____

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REV: JUL 15

<i>Response to Rule 312 Communication</i>	Application No. 14/253,251	Applicant(s) RICCI, CHRISTOPHER P.
	Examiner ALEX C. DUNN	Art Unit 3663

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

1. ☒ The amendment filed on 10 July 2015 under 37 CFR 1.312 has been considered, and has been:

a) ☐ entered.

b) ☒ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.

/THOMAS TARCZA/
Supervisory Patent Examiner, Art Unit 3663

/A. C. D./
Examiner, Art Unit 3663



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,251	04/15/2014	Christopher P. Ricci	6583-607	6723
111285	7590	09/02/2015	EXAMINER	
Sheridan Ross P.C. 1560 Broadway Suite 1200 Denver, CO 80202			DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			09/02/2015	ELECTRONIC

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

flexpatents@sheridanross.com
edocket@sheridanross.com

<i>Response to Rule 312 Communication</i>	Application No. 14/253,251	Applicant(s) RICCI, CHRISTOPHER P.
	Examiner ALEX C. DUNN	Art Unit 3663

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

1. ☒ The amendment filed on 10 July 2015 under 37 CFR 1.312 has been considered, and has been:

a) ☐ entered.

b) ☒ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.

/THOMAS TARCZA/
Supervisory Patent Examiner, Art Unit 3663

/A. C. D./
Examiner, Art Unit 3663

To: flexpatents@sheridanross.com,edocket@sheridanross.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 111285

Sep 02, 2015 05:29:04 AM

Dear PAIR Customer:

Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 111285 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

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Application	Document	Mailroom Date	Attorney Docket No.
14253251	N271	09/02/2015	6583-607
	M327	09/02/2015	6583-607

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UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

Change(s) applied
to document,
/N.B.H./
4/28/2015

Automation Triggers” (Attorney Docket No. 6583-556-PCT); PCT/US14/^{PCT/US14/34108}_____, filed on April 15, 2014, entitled “Vehicle Initiated Communications with Third Parties via Virtual Personalities” (Attorney Docket No. 6583-559-PCT); PCT/US14/^{PCT/US14/34101}_____, filed on April 15, 2014, entitled “Vehicle Intruder Alert Detection and Indication” (Attorney Docket No. 6583-562-PCT); PCT/US14/^{PCT/US14/34103}_____, filed on April 15, 2014, entitled “Driver Facts Behavior Information Storage System” (Attorney Docket No. 6583-565-PCT); PCT/US14/^{PCT/US14/34114}_____, filed on April 15, 2014, entitled “Synchronization Between Vehicle and User Device Calendar” (Attorney Docket No. 6583-567-PCT); PCT/US14/^{PCT/US14/34125}_____, filed on April 15, 2014, entitled “User Gesture Control of Vehicle Features” (Attorney Docket No. 6583-569-PCT); PCT/US14/^{PCT/US14/34254}_____, filed on April 15, 2014, entitled “Central Network for the Automated Control of Vehicular Traffic” (Attorney Docket No. 6583-574-PCT); and PCT/US14/^{PCT/US14/34194}_____, filed on April 15, 2014, entitled “Vehicle-Based Multimode Discovery” (Attorney Docket No. 6583-585-PCT). The entire disclosures of the applications listed above are hereby incorporated by reference, in their entirety, for all that they teach and for all purposes.

[0463] Examples of the processors as described herein may include, but are not limited to, at least one of Qualcomm® Snapdragon® 800 and 801, Qualcomm® Snapdragon® 610 and 615 with 4G LTE Integration and 64-bit computing, Apple® A7 processor with 64-bit architecture, Apple® M7 motion coprocessors, Samsung® Exynos® series, the Intel® Core™ family of processors, the Intel® Xeon® family of processors, the Intel® Atom™ family of processors, the Intel Itanium® family of processors, Intel® Core® i5-4670K and i7-4770K 22nm Haswell, Intel® Core® i5-3570K 22nm Ivy Bridge, the AMD® FX™ family of processors, AMD® FX-4300, FX-6300, and FX-8350 32nm Vishera, AMD® Kaveri processors, Texas Instruments® Jacinto C6000™ automotive infotainment processors, Texas Instruments® OMAP™ automotive-grade mobile processors, ARM® Cortex™-M processors, ARM® Cortex-A and ARM926EJ-S™ processors, other industry-equivalent processors, and may perform computational functions using any known or future-developed standard, instruction set, libraries, and/or architecture.

[0460] The foregoing discussion has been presented for purposes of illustration and description. The foregoing is not intended to limit the disclosure to the form or forms disclosed herein. In the foregoing Detailed Description for example, various features of the disclosure are grouped together in one or more aspects, embodiments, and/or configurations for the purpose of streamlining the disclosure. The features of the aspects, embodiments, and/or configurations of the disclosure may be combined in alternate aspects, embodiments, and/or configurations other than those discussed above. This method of disclosure is not to be interpreted as reflecting an intention that the claims require more features than are expressly recited in each claim. Rather, as the following claims reflect, inventive aspects lie in less than all features of a single foregoing disclosed aspect, embodiment, and/or configuration. Thus, the following claims are hereby incorporated into this Detailed Description, with each claim standing on its own as a separate preferred embodiment of the disclosure.

[0461] Moreover, though the description has included description of one or more aspects, embodiments, and/or configurations and certain variations and modifications, other variations, combinations, and modifications are within the scope of the disclosure, e.g., as may be within the skill and knowledge of those in the art, after understanding the present disclosure. It is intended to obtain rights which include alternative aspects, embodiments, and/or configurations to the extent permitted, including alternate, interchangeable and/or equivalent structures, functions, ranges or steps to those claimed, whether or not such alternate, interchangeable and/or equivalent structures, functions, ranges or steps are disclosed herein, and without intending to publicly dedicate any patentable subject matter.

[0462] This application is also related to PCT Patent Application Nos. PCT/US14/34092, PCT/US14/34099, PCT/US14/34087, PCT/US14/34088, PCT/US14/34232, and PCT/US14/34098, filed on April 15, 2014, entitled, “Building Profiles Associated with Vehicle Users” (Attorney Docket No. 6583-543-PCT); PCT/US14/____, filed on April 15, 2014, entitled “Access and Portability of User Profiles Stored as Templates” (Attorney Docket No. 6583-544-PCT); PCT/US14/____, filed on April 15, 2014, entitled “User Interface and Virtual Personality Presentation Based on User Profile” (Attorney Docket No. 6583-547-PCT); PCT/US14/____, filed on April 15, 2014, entitled “Creating Targeted Advertising Profiles Based on User Behavior” (Attorney Docket No. 6583-549-PCT); PCT/US14/____, filed on April 15, 2014, entitled “Behavior Modification via Altered Map Routes Based on User Profile Information” (Attorney Docket No. 6583-550-PCT); PCT/US14/____, filed on April 15, 2014, entitled “Vehicle Location-Based Home

Change(s) applied
to document,
/NBH/
4/28/2015

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	14/253,251
				Filing Date	April 15, 2014
				First Named Inventor	Christopher P. Ricci
				Art Unit	3663
				Examiner Name	DUNN, ALEX C
Sheet	3	of	8	Attorney Docket Number	6583-607

	69	2011/0184642	07/28/2011	Rotz et al.	
	70	2011/0257973	10/20/2011	Chutorash et al.	
	71	2011/0291926	12/01/2011	Gokturk et al.	
	72	2011/0309953	12/22/2011	Petite et al.	
	73	2012/0053793	03/01/2012	Sala et al.	
	74	2012/0105613	05/03/2012	Weng et al.	
	75	2012/0197523	08/02/2012	Kirsch	
	76	2012/0254763	10/04/2012	Protopapas et al.	
	77	2012/0254804	10/04/2012	Shema et al.	Sheha et al.
	78	2012/0289253	11/15/2012	Haag et al.	
	79	2012/0316720	12/13/2012	Hyde et al.	
	80	2013/0079964	03/28/2013	Sukkarie et al.	
	81	2013/0083805	04/04/2013	Lu et al.	
	82	2013/0099915	04/25/2013	Prasad et al.	
	83	2013/0116882	05/09/2013	Link et al.	
	84	2013/0134730	05/30/2013	Ricci	
	85	2013/0135118	05/30/2013	Ricci	
	86	2013/0138591	05/30/2013	Ricci	
	87	2013/0138714	05/30/2013	Ricci	
	88	2013/0141247	06/06/2013	Ricci	
	89	2013/0141252	06/06/2013	Ricci	
	90	20130143495;	06/06/2013	Ricci	
	91	2013/0143546	06/06/2013	Ricci	
	92	2013/0143601	06/06/2013	Ricci	
	93	2013/0144459	06/06/2013	Ricci	
	94	2013/0144460	06/06/2013	Ricci	
	95	2013/0144461	06/06/2013	Ricci	
	96	2013/0144463	06/06/2013	Ricci et al.	
	97	2013/0144470	06/06/2013	Ricci	
	98	2013/0144486	06/06/2013	Ricci	
	99	2013/0144520	06/06/2013	Ricci	
	100	2013/0144657	06/06/2013	Ricci	
	101	2013/0145065	06/06/2013	Ricci	
	102	2013/0145279	06/06/2013	Ricci	
	103	2013/0145297	06/06/2013	Ricci et al.	
	104	2013/0145360	06/06/2013	Ricci	
Examiner Signature	/Alex Dunn/ (12/20/2014)			Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.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. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	14/253,251
				Filing Date	April 15, 2014
				First Named Inventor	Christopher P. Ricci
				Art Unit	3663
				Examiner Name	DUNN, ALEX C
Sheet	1	of	8	Attorney Docket Number	6583-607

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	4754255	06/28/1988	Sanders et al.	
	2	5296840	03/22/1994	Gieffers	
	3	5529138	06/25/1996	Shaw et al.	
	4	5825283	10/20/1998	Camhi	
	5	6356838	03/12/2002	Paul	
	6	6557752	05/06/2003	Yacoob	
	7	6563910	05/13/2003	Menard et al.	
	8	6675081	01/06/2004	Shuman et al.	
	9	7295904	11/13/2007	Kanevsky et al.	
	10	7526539	04/28/2009	Hsu	
	11	7667618	02/23/2010	Chitor et al.	
	12	8233919	07/31/2012	Haag et al.	
	13	8862299	10/2014 11/16/2012	Ricci	
	14	8442758	05/14/2013	Rovik et al.	
	15	8521410	08/27/2013	Mizuno et al.	
	16	8543330	09/24/2013	Taylor et al.	
	17	8552886	10/08/2013	Bensoussan	
	18	8634984	01/21/2014	Sumizawa	
	19	8793034	07/29/2014	Ricci	
	20	8793065	07/29/2014	Seltzer et al.	
	21	8798918	08/05/2014	Onishi et al.	
	22	8818725	08/26/2014	Ricci	
	23	8825277	09/02/2014	McClellan et al.	
	24	8825362	09/02/2014	Kirsch	
	25	8825382	09/02/2014	Liu	
	26	8831826	09/09/2014	Ricci	
	27	8838095	09/16/2014	Jouin	
	28	2002/0026278	02/28/2002	Feldman et al.	
	29	2002/0103622	08/01/2002	Burge	
	30	2003/0065432	04/03/2003	Shuman et al.	
	31	2003/0204290	10/30/2003	Sadler et al.	
	32	2004/0093155	05/13/2004	Simonds et al.	

Examiner Signature	/Alex Dunn/ (12/20/2014)	Date Considered	
--------------------	--------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.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. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,251	09/29/2015	9147297	8283-607	6723

111285 7590 09/09/2015
Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

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 Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Christopher P. Ricci, Saratoga, CA;
Flextronics AP, LLC, San Jose, CA;

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To: flexpatents@sheridanross.com,edocket@sheridanross.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 111285

Sep 10, 2015 05:28:36 AM

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Denver, CO 80202
UNITED STATES

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The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

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Application	Document	Mailroom Date	Attorney Docket No.
14253251	ISSUE.NTF	09/09/2015	8283-607

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PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Patent Number	9,147,297
	Issue Date	September 29, 2015
	First Named Inventor	Christopher P. Ricci
	Title	INFOTAINMENT SYSTEM BASED ON USER PROFILE
	Attorney Docket No.	51263-00234

I hereby revoke all previous powers of attorney given in the above-identified patent.

☐ A Power of Attorney is submitted herewith.

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Telephone		Email		

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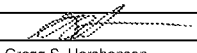
☒ Applicant.

OR

☐ Patent owner.

Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) submitted herewith or filed on _____.

SIGNATURE of Applicant or Patent Owner

Signature		Date	
Name	Gregg S. Hershenson	Telephone	
Title and Company	CEO - AutoConnect Holdings LLC		

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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.
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Electronic Acknowledgement Receipt

EFS ID:	29605959
Application Number:	14253251
International Application Number:	
Confirmation Number:	6723
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE
First Named Inventor/Applicant Name:	Christopher P. Ricci
Customer Number:	111285
Filer:	Robert G. Crouch/Lori Gerow
Filer Authorized By:	Robert G. Crouch
Attorney Docket Number:	8283-607
Receipt Date:	26-JUN-2017
Filing Date:	15-APR-2014
Time Stamp:	14:24:44
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	POA_Signed_51263-00236.pdf	263257	no	2
			d0decae6f4dd8ed1193ff94fd27d1a532e7a72fa		

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Information:	
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PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Patent Number	9,147,297
	Issue Date	September 29, 2015
	First Named Inventor	Christopher P. Ricci
	Title	INFOTAINMENT SYSTEM BASED ON USER PROFILE
	Attorney Docket No.	51263-00236

I hereby revoke all previous powers of attorney given in the above-identified patent.

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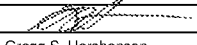
☒ Applicant.

OR

☐ Patent owner.

Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) submitted herewith or filed on _____.

SIGNATURE of Applicant or Patent Owner

Signature		Date	
Name	Gregg S. Hershenson	Telephone	
Title and Company	CEO - AutoConnect Holdings LLC		

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Electronic Acknowledgement Receipt

EFS ID:	29606231
Application Number:	14253251
International Application Number:	
Confirmation Number:	6723
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE
First Named Inventor/Applicant Name:	Christopher P. Ricci
Customer Number:	111285
Filer:	Robert G. Crouch/Lori Gerow
Filer Authorized By:	Robert G. Crouch
Attorney Docket Number:	8283-607
Receipt Date:	26-JUN-2017
Filing Date:	15-APR-2014
Time Stamp:	14:33:46
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	POA- _Signed_51263-00236.pdf	200827	no	2
			f72cd0e5c537d0567ca02cdd832d156c481b6fec		

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Information:	
Total Files Size (in bytes):	200827
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/253,251	04/15/2014	Christopher P. Ricci	8283-607

111285
Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202

CONFIRMATION NO. 6723
MISCELLANEOUS NOTICE



Date Mailed: 07/06/2017

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PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Patent Number	9,147,297
	Issue Date	September 29, 2015
	First Named Inventor	Christopher P. Ricci
	Title	INFOTAINMENT SYSTEM BASED ON USER PROFILE
	Attorney Docket No.	51263-00236

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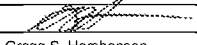
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Signature		Date	
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	29705308
Application Number:	14253251
International Application Number:	
Confirmation Number:	6723
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE
First Named Inventor/Applicant Name:	Christopher P. Ricci
Customer Number:	111285
Filer:	Robert G. Crouch/Lori Gerow
Filer Authorized By:	Robert G. Crouch
Attorney Docket Number:	8283-607
Receipt Date:	06-JUL-2017
Filing Date:	15-APR-2014
Time Stamp:	15:28:28
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Assignee showing of ownership per 37 CFR 3.73	373c_aia0096_51263-00236.pdf	120831	no	3
			9397768281608cb639c1b24db4497d887c9cfd5		

Warnings:

Information:					
2	Power of Attorney	Corrected-POA_51263-00236.pdf	149117	no	2
			1cfcf76c11561da8e11a02fa293185959869ec95		
Warnings:					
Information:					
Total Files Size (in bytes):				269948	
<p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p>					

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.

STATEMENT UNDER 37 CFR 3.73(c)Applicant/Patent Owner: AUTOCONNECT HOLDINGS LLCApplication No./Patent No.: 9,147,297 Filed/Issue Date: September 29, 2015Titled: INFOTAINMENT SYSTEM BASED ON USER PROFILEAUTOCONNECT HOLDINGS LLC, a CORPORATION

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☒ The assignee of the entire right, title, and interest.
2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):
- ☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: CHRISTOPHER P. RICCI To: FLEXTRONICS AP, LLCThe document was recorded in the United States Patent and Trademark Office at
Reel 033226, Frame 0643, or for which a copy thereof is attached.2. From: FLEXTRONICS AP, LLC To: AUTOCONNECT HOLDINGS LLCThe document was recorded in the United States Patent and Trademark Office at
Reel 036503, Frame 0062, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). 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 1.11 and 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.**

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/ROBERT G. CROUCH/

Signature

ROBERT G. CROUCH

Printed or Typed Name

July 6, 2017

Date

34,806

Title or Registration Number

[Page 2 of 2]

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. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

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 disclosure of these records is required by the Freedom of Information Act.
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 inspection 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.

To: edocket@sheridanross.com, flexpatents-sr@sheridanross.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 111285

Jul 06, 2017 04:19:38 AM

Dear PAIR Customer:

Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 111285, have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

Disclaimer:

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

Application	Document	Mailroom Date	Attorney Docket No.
14253251	PEFN	07/06/2017	8283-607

To view your correspondence online or update your email addresses, please visit us anytime at <https://portal.uspto.gov/secure/myportal/privatepair>.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM



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 NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/253,251	04/15/2014	Christopher P. Ricci	8283-607

CONFIRMATION NO. 6723

111285
 Sheridan Ross P.C.
 1560 Broadway
 Suite 1200
 Denver, CO 80202



Cc: MARSH, FISCHIMANN & BREYFOGLE LLP
 8055 EAST TUFTS AVENUE
 SUITE 450
 DENVER, CO 80237

Date Mailed: 07/05/2017**DENIAL OF REQUEST FOR POWER OF ATTORNEY**

The request for Power of Attorney filed 06/26/2017 is acknowledged. However, the request cannot be granted at this time for the reason stated below.

- ☐ The Power of Attorney you provided did not comply with the new Power of Attorney rules that became effective on June 25, 2004. See 37 CFR 1.32.
- ☐ The revocation is not signed by the applicant, the assignee of the entire interest, or one particular principal attorney having the authority to revoke.
- ☒ The Power of Attorney is from an assignee and the Certificate required by 37 CFR 3.73(c) has not been received.
- ☐ The person signing for the assignee has omitted their empowerment to sign on behalf of the assignee.
- ☐ The inventor(s) is without authority to appoint attorneys since the assignee has intervened as provided by 37 CFR 3.71.
- ☐ The signature(s) of _____ a co-inventor in this application, has been omitted. The Power of Attorney will be entered upon receipt of confirmation signed by said co-inventor(s).
- ☐ The person(s) appointed in the Power of Attorney is not registered to practice before the U.S. Patent and Trademark Office.
- ☐ Only one Customer Number can be designated for the Power of Attorney in an application. The Customer Number that was captured is the first Customer Number provided on the Power of Attorney document.



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

- ☐ A request under 37 CFR 1.48 to add an inventor was granted in this application, however, no power of attorney consistent with the power of attorney granted by the originally named inventive entity has been received. Thus, the addition of the inventor has resulted in the loss of power of attorney in the application. See 37 CFR 1.32(e).
- ☐ The power of attorney has not been accepted because the party who is giving power of attorney has not been identified. Power of attorney may only be signed by the applicant for patent (37 CFR 1.42) or the patent owner. A patent owner who was not the applicant must appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. See 37 CFR 1.32(b)(4).
- ☐ The power of attorney from the inventors has not been accepted because it is a copy from a prior national application for which benefit is claimed and the continuing application names an inventor who was not named as an inventor in the prior application.
- ☐ The power of attorney from the inventors has not been accepted because the power of attorney must be signed by the applicant for patent. See 37 CFR 1.32(b)(4).
- ☐ Any request to correct or update the name of the applicant must include an application data sheet (ADS) in compliance with 37 CFR 1.76 specifying the correct or updated name of the applicant in the applicant information section. Any request to change the applicant after an original applicant has been specified under 37 CFR 1.46(b) must include a new ADS in compliance with 37 CFR 1.76 specifying the applicant in the applicant information section and comply with 37 CFR 3.71 and 3.73. See 37 CFR 1.46(c).

Any inquiries regarding this notice should be directed to the Application Assistance Unit at 571-272-4200.

A handwritten signature in black ink, appearing to be "K. J. [unclear]", written over a horizontal line.

Application Assistance Unit
571-272-4200



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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/253,251	04/15/2014	Christopher P. Ricci	51263-00236

CONFIRMATION NO. 6723

POA ACCEPTANCE LETTER



25231
MARSH, FISCHMANN & BREYFOGLE LLP
8055 East Tufts Avenue
Suite 450
Denver, CO 80237

Date Mailed: 07/12/2017

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/06/2017.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/megga/



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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/253,251	04/15/2014	Christopher P. Ricci	8283-607

111285
Sheridan Ross P.C.
1560 Broadway
Suite 1200
Denver, CO 80202

CONFIRMATION NO. 6723
POWER OF ATTORNEY NOTICE



Date Mailed: 07/12/2017

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/06/2017.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/megga/

To: PTOMail@mfbllaw.com,,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 25231

Jul 12, 2017 04:17:10 AM

Dear PAIR Customer:

MARSH, FISCHMANN & BREYFOGLE LLP
8055 East Tufts Avenue
Suite 450
Denver, CO 80237
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 25231 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

Disclaimer:

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

Application	Document	Mailroom Date	Attorney Docket No.
14253251	N570	07/12/2017	51263-00236

To view your correspondence online or update your email addresses, please visit us anytime at <https://sportal.uspto.gov/secure/myportal/privatepair>.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

To: PTOMail@mfbllaw.com,,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 25231

Jul 13, 2017 10:03:57 AM

Dear PAIR Customer:

MARSH, FISCHMANN & BREYFOGLE LLP
8055 East Tufts Avenue
Suite 450
Denver, CO 80237
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 25231 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

Disclaimer:

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Application	Document	Mailroom Date	Attorney Docket No.
14253251	N570	07/12/2017	51263-00236

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Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:



Practitioners associated with Customer Number:

153965

OR



Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignments documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:



The address associated with Customer Number:

153965

OR

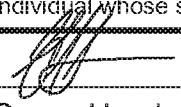
☐	Firm or Individual Name			
	Address			
	City	State	Zip	
	Country			
	Telephone	Email		

Assignee Name and Address: **AutoConnect Holdings LLC**
75 High Road
Newbury, MA 01951

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be Filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of The practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date 2-28-2019
Name	Gregg Hershenson	Telephone 978.462.1287
Title	CEO	

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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.**

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. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

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 disclosure of these records is required by the Freedom of Information Act.
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 inspection 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.

Electronic Acknowledgement Receipt

EFS ID:	35857040
Application Number:	14253251
International Application Number:	
Confirmation Number:	6723
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE
First Named Inventor/Applicant Name:	Christopher P. Ricci
Customer Number:	25231
Filer:	Unisha Patel
Filer Authorized By:	
Attorney Docket Number:	51263-00236
Receipt Date:	29-APR-2019
Filing Date:	15-APR-2014
Time Stamp:	13:15:50
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	POASigned.pdf	74574	no	2
			10a88179b84bc774445edb87cb7742f6cda d0cc4		

Warnings:

Information:	
Total Files Size (in bytes):	74574
<p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p>	



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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/253,251	04/15/2014	Christopher P. Ricci	51263-00236

153965
Patent Ventures, LLC
700 Uccelli Drive
7204
Redwood City, CA 94063

CONFIRMATION NO. 6723
POA ACCEPTANCE LETTER



Date Mailed: 05/02/2019

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/29/2019.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/s/brahim/



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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/253,251	04/15/2014	Christopher P. Ricci	51263-00236

25231
Marsh Fischmann & Breyfogle LLP
8055 East Tufts Avenue, Suite 450
Denver, CO 80237

CONFIRMATION NO. 6723
POWER OF ATTORNEY NOTICE



OC000000107831194

Date Mailed: 05/02/2019

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/29/2019.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/sibrahim/

To: mo@patvent.com,unisha@patvent.com,USPTO@dockettrak.com
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 153965

May 02, 2019 04:45:16 AM

Dear PAIR Customer:

Patent Ventures, LLC
700 Uccelli Drive
7204
Redwood City, CA 94063
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 153965 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

Disclaimer:

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

Application	Document	Mailroom Date	Attorney Docket No.
14253251	N570	05/02/2019	51263-00236
	N570	05/02/2019	51263-00236

To view your correspondence online or update your email addresses, please visit us anytime at <https://sportal.uspto.gov/secure/myportal/privatepair>.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM



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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE	REQUEST ID
14/253,251	04/15/2014	Christopher P. Ricci	51263-00236	170497

Acknowledgement of Change to Small Entity Status

The entity status change request below filed through Private PAIR on 07/20/2022 has been accepted.

CERTIFICATIONS:

Change of Entity Status:

× Applicant asserting small entity status. See 37 CFR 1.27.

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.

This portion must be completed by the signatory or signatories making the entity status change in accordance with 37 CFR 1.4(d)(4).

Signature:	/Unisha Patel/
Name:	Unisha Patel
Registration Number:	72449

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Inventor: Christopher P. Ricci

Confirmation Number: 6723

Application No.: 14/253,251

Filed: April 15th, 2016

Title: INFOTAINMENT SYSTEM BASED ON USER PROFILE

Petition under 37 CFR 1.378

Mail Stop Petitions

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Madam/Sir:

Patent Owner, AutoConnect Holdings LLC, hereby requests that the Office reinstate the issued patent associated with the above-referenced application. The patent expired in September 2019 due to an unintentional delay in the payment of the required maintenance fee. As this Petition is filed more than two years after the expiration for failure to pay maintenance fees, Patent Owner has attached herewith a declaration from Gregg Hershenson, the Chief Executive Officer of Patent Owner, in which Mr. Hershenson provides additional information concerning the unintentional failure to pay the required maintenance fee.

Filed along with this additional statement are Petition Form SB66 and the associated USPTO fees.

The maintenance fees are paid via PTO-SB45 and PTO-2038. The forms PTO-SB45 and PTO-2038 are faxed to the USPTO.

Patent Owner requests that the Office consider the above explanation and reinstate the patent.

Respectfully submitted,

/Unisha Patel/

Unisha Patel

Registration No.: 72449

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.

**PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF
MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))**

Page 1 of 4

Docket Number (Optional)

51263-00236**Mail to: Mail Stop Petition**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

NOTE: If information or assistance is needed in completing this form, please contact the Office of Petitions at (571) 272-3282.

Patent No. 9,147,297Application Number 14/253,251Issue Date 09-29-2015Filing Date 04-15-2014

CAUTION: Maintenance fee payment must correctly identify: (1) the patent number (or reissue patent number, if a reissue) and (2) the application number of the actual U.S. application (or reissue application) leading to issuance of that patent to ensure the fee(s) is/are associated with the correct patent. 37 CFR 1.366(c) and (d).

Also complete the following information, if applicable.

The above-identified patent

☐ is a reissue of original Patent No. _____ original issue date _____

original application number _____

original filing date _____.

☐ resulted from the entry into the U.S. under 35 U.S.C. 371 of international application _____

filed on _____.

NOTE: A grantable petition requires the following items:

- (1) Petition fee;
- (2) Maintenance fee; and
- (3) Statement that the delay in payment of the maintenance fee was unintentional.

CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this paper (* along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or being transmitted to the U.S. Patent and Trademark Office by EFS-Web, or by facsimile to (571) 273-8300, on the date shown below.

Date_____
Signature_____
Typed or Printed Name of Person Signing Certificate

[page 1 of 3]

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0016. Public burden for this form is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

Page 2 of 4

1. SMALL ENTITY

☒ Patentee asserts, or has previously asserted, small entity status. See 37 CFR 1.27.

2. LOSS OF ENTITLEMENT TO SMALL ENTITY STATUS

☐ Patentee is no longer entitled to small entity status. See 37 CFR 1.27(g).

3. MICRO ENTITY

☐ Patentee certifies, or has previously certified, 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.

4. LOSS OF ENTITLEMENT TO MICRO ENTITY STATUS

☐ Patentee is no longer entitled to micro entity status. See 37 CFR 1.29(i).

5. MAINTENANCE FEE (37 CFR 1.20(e)-(g))

The appropriate maintenance fee must be submitted with this petition, unless it was paid earlier.

Undiscounted			Small Entity			Micro Entity		
Amount	Fee	(Code)	Amount	Fee	(Code)	Amount	Fee	(Code)
☐ \$ _____	3½ yr fee	(1551)	☒ \$ 1000	3½ yr fee	(2551)	☐ \$ _____	3½ yr fee	(3551)
☐ \$ _____	7½ yr fee	(1552)	☐ \$ _____	7½ yr fee	(2552)	☐ \$ _____	7½ yr fee	(3552)
☐ \$ _____	11½ yr fee	(1553)	☐ \$ _____	11½ yr fee	(2553)	☐ \$ _____	11½ yr fee	(3553)

MAINTENANCE FEE BEING SUBMITTED \$ 1000

6. PETITION FEE

The petition fee required by 37 CFR 1.17(m) of:

\$ _____ Undiscounted (Fee Code 1558); or

\$ 1050 Small Entity (Fee Code 2558); or

\$ _____ Micro Entity (Fee Code 3558)

must be paid as a condition of accepting an unintentionally delayed payment of a maintenance fee.

PETITION FEE BEING SUBMITTED \$ 1050

7. MANNER OF PAYMENT

☐ Enclosed is a check for the sum of \$ _____

☐ Please charge Deposit Account No. _____ the sum of \$ _____

☒ Payment by credit card. Form PTO-2038 is attached.

☒ Payment made via EFS-Web.

8. AUTHORIZATION TO CHARGE ANY FEE DEFICIENCY

☐ The Director is hereby authorized to charge any maintenance fee or petition deficiency to Deposit Account No. _____

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

Page 3 of 4

9. OVERPAYMENT

As to any overpayment made, please

☐ Credit to Deposit Account No. _____

OR

☐ Send refund check

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information, such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form (PTO-2038) submitted for payment purposes), is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioner/applicant should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms (PTO-2038) submitted for payment purposes are not retained in the application file and therefore are not publicly available.

10. STATEMENT

The delay in payment of the maintenance fee for this patent was unintentional.

Petitioner is reminded that a delay resulting from a deliberately chosen course of action or a change in circumstance is not an unintentional delay.

Petitioner is further reminded that a person seeking reinstatement of an expired patent should not make a statement that the delay in payment of the maintenance fee was unintentional unless the entire delay was unintentional, including the period from discovery that the maintenance fee was not timely paid until payment of the maintenance fee. For example, a statement that the delay in payment of the maintenance fee was unintentional would not be proper when the patentee becomes aware of an unintentional failure to timely pay the maintenance fee and then intentionally delays filing a petition for reinstatement of the patent under 37 CFR 1.378. See MPEP 2590.

NOTE: Where the petition under 37 CFR 1.378 is filed more than two years after the date the patent expired for nonpayment of the maintenance fee, the United States Patent and Trademark Office requires an additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional. This requirement is in addition to the requirement to provide a statement that the entire delay was unintentional. See *Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay*, 85 FR 12222 (March 2, 2020). See MPEP 711.03(c)(II)(C)-(F) for additional guidance on the information required to establish that the entire delay was unintentional.

- ☒ Because this petition under 37 CFR 1.378 is being filed more than two years after the date the patent expired for nonpayment of the maintenance fee, additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional is enclosed herewith.

**PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT
OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))**

Page 4 of 4

11. PETITIONER REQUESTS THAT THE DELAYED PAYMENT OF THE MAINTENANCE FEE BE ACCEPTED AND THE PATENT BE REINSTATED.

8-2-2022

Date

/Unisha Patel/

Signature(s) of Petitioner

72449

Registration Number, if applicable

Unisha Patel

Typed or Printed Name

9088126409

Telephone Number

1655 Delano Street, Unit 32 Milpitas CA 95035

Address

Address

37 CFR 1.378(c) states: "Any petition under this section must be signed in compliance with § 1.33(b)."

12. ENCLOSURES

Maintenance Fee Payment



Petition fee under 37 CFR 1.17(m) (fee for filing the maintenance fee petition)



Additional sheet(s) containing statement establishing unintentional delay



Other: _____

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 this information under authority of 5 CFR 1.290. The information in this system of records is used to manage all records of applicant including name, citizenship, residence, post office address and other information with respect to inventors and their legal representatives pertaining to the applicant's activities in connection with the invention for which a patent is sought. This information is protected from disclosure to third parties in accordance with the Privacy Act.

However, routine uses of this information may include disclosure to the following: to law enforcement and investigation in the event that the system of records indicates a violation or potential violation of law; to a Federal, state, local, or international agency, in response to its request; to an agency, organization, or individual for the purpose of performing audit or oversight operations as authorized by law; to non-federal personnel under contract to the agency; to a court for adjudication and litigation; to the Department of Justice for Freedom of Information Act (FOIA) assistance; to members of congress working on behalf of an individual; to the Office of Personnel Management (OPM) for personnel research purposes; to National Archives and Records Administration for inspection of records; and to the Office of Management and Budget (OMB) for legislative coordination and clearance. Failure to provide any part of the requested information may result in an inability to process requests for access and information. The applicable Privacy Act System of Records Notice for this information is COMMERCE/PAT-TM-7 Patent Application Files, available at Federal Register / Vol. 78, No. 61 / Friday, March 29, 2013 / Notices 19243. <https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applications of

Inventor: Christopher P. Ricci

Petition under 37 CFR 1.378

Mail Stop Petitions
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**DECLARATION OF GREGG HERSHENSON
IN SUPPORT OF PETITION UNDER 37 CFR 1.378**

I, Gregg Hershenson, hereby declare and state as follows:

1. I am the Chief Executive Officer of AutoConnect Holdings, LLC, and have held that role since the company's inception.
2. AutoConnect focuses on the development of technology for improving vehicular connectivity, including through mobile device integration, remote configuration, formation of vehicle-to-vehicle safety networks, and improved infotainment platforms. AutoConnect's patent portfolio, which currently includes over 70 issued patents in the United States, is a key asset of the company. I have been responsible for ensuring that maintenance fees have been paid on AutoConnect's patent portfolio, which includes **Patent Nos. 9,140,560; 9,142,071; 9,142,072; 9,147,296; 9,147,297; 9,147,298; 9,153,084; 9,159,232; 9,173,100; 9,176,924; and 9,183,685** ("the Subject Patents").
3. On May 15, 2019, AutoConnect entered into a Patent Purchase Agreement ("PPA") with IP Optimum Limited, under which title to AutoConnect's patent portfolio, including the Subject Patents, was assigned to IP Optimum. The agreement included provisions

governing the payment of maintenance fees and, specifically, required that IP Optimum pay any maintenance fees due and payable on the Subject Patents for the period commencing after the closing date for the PPA on May 15, 2019. Based on this provision, it was AutoConnect's understanding that IP Optimum was required to pay maintenance fees for the Subject Patents.

4. The PPA was structured so that AutoConnect had various ongoing interests in the assigned patents, including the Subject Patents. Specifically, AutoConnect had a reversionary right to reacquire the patents for no compensation if certain conditions were not satisfied.

5. On March 27, 2020, AutoConnect exercised its right to reacquire the patents, including the Subject Patents.

6. The Subject Patents all expired during the period between September 23, 2019, and November 12, 2019. This was several months after the execution of the PPA and before AutoConnect required the patents. Maintenance fees for AutoConnect patents that were due after this time frame were timely paid and those patents remain in effect.

7. IP Optimum never requested nor did AutoConnect ever authorize, IP Optimum to abandon any patents for any reason, including through a failure to pay maintenance fees.

8. At no point in time, either before or after execution of the PPA, did AutoConnect intend, or otherwise elect, to abandon the Subject Patents. At all times it was AutoConnect's belief and understanding that all maintenance fees had been paid and the Subject Patents (as with all other patents that were the subject of the PPA) remained in full force and effect.

9. Recently, it was brought to our attention that, despite our belief that the Subject Patents remained in full force and effect, that they had expired due to failure to pay maintenance fees. After learning that the Subject Patents had expired, I promptly undertook efforts to confirm that this was not an intentional decision.

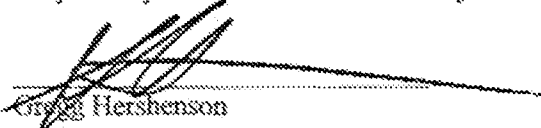
10. My investigation included discussions with my AutoConnect colleagues, who confirmed there was never any decision or intent to allow the Subject Patents to expire. The investigation also included discussions with AutoConnect's patent counsel to confirm there was never an instruction to let the Subject Patents expire. In addition, working with our legal counsel, we received confirmation from persons associated with IP Optimum, including those responsible for the payment of maintenance fees, that IP Optimum was not aware the Subject Patents had expired and never made any decisions to allow any patents, including the Subject Patents, to expire. This was further confirmed by IP Optimum's patent counsel.

11. The expiration of all the Subject Patents during the September through November 2019 time frame is consistent with the fact the neither AutoConnect nor IP Optimum intended for the Subject Patents to expire. Instead, upon information and belief, it appears that the failure to pay maintenance fees was an accident resulting from a misunderstanding between AutoConnect and IP Optimum about who was responsible for paying the maintenance fees for the assigned patents during the September to November 2019 time frame under the PPA.

12. I prepared this declaration immediately upon completion of my investigation.

13. I declare that all statements made herein are true to the best of my knowledge, or if made upon information and belief, are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted on this 11th day of July 2022,



Gregg Hershenson

CEO

AutoConnect Holdings, LLC

Electronic Patent Application Fee Transmittal

Application Number:	14253251			
Filing Date:	15-Apr-2014			
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE			
First Named Inventor/Applicant Name:	Christopher P. Ricci			
Filer:	Unisha Patel			
Attorney Docket Number:	51263-00236			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
PET. REVIVE ABANDON APP, DELAY PYMT-RESP	2453	1	1050	1050
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1050

Electronic Acknowledgement Receipt

EFS ID:	46322593
Application Number:	14253251
International Application Number:	
Confirmation Number:	6723
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE
First Named Inventor/Applicant Name:	Christopher P. Ricci
Customer Number:	153965
Filer:	Unisha Patel
Filer Authorized By:	
Attorney Docket Number:	51263-00236
Receipt Date:	02-AUG-2022
Filing Date:	15-APR-2014
Time Stamp:	13:07:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 1050
RAM confirmation Number	E202282D07592462
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition for review by the Office of Petitions	Petitionto revive51263-00236.pdf	24641	no	1
			ec7cf1b833eea6ad92815ebbdfe00cd8be76490f		
Warnings:					
Information:					
2	Petition for review by the Office of Petitions	SB6651263-00236.pdf	318107	no	5
			9dfceb4425fd0571b8c6fe20e4f2122ca8a1df32		
Warnings:					
Information:					
3	Miscellaneous Incoming Letter	GreggDeclaration7-12-2022.pdf	328398	no	4
			33717391aa7932814140f724998b1bc0edc4cccd		
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	37478	no	2
			87871f1f59e1fe0da615f86cfd4b8cd67e9c7322		
Warnings:					
Information:					
Total Files Size (in bytes):			708624		

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 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

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.

Fee Code 1599

PTO/SB/45 (05-22)

MAINTENANCE FEE TRANSMITTAL FORM

(Do not submit this form electronically via USPTO's patent electronic filing system (Patent Center or EFS-Web))

Address to:
Mail Stop Maintenance Fee
Director of the United States
Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Mail Stop Maintenance Fee" address displayed on the left, or being transmitted to the USPTO by facsimile to 571-273-6500, on the date below.

Date 8-2-2022

- OR -

Signature /Unisha Patel/

Fax to: 571-273-6500

Typed or printed name Unisha Patel

Enclosed herewith is the payment of the maintenance fee(s) for the listed patent(s).

1. ☐ A check for the amount of \$ _____ for the full payment of the maintenance fee(s) and any necessary surcharge is enclosed.
2. ☒ Payment by credit card. Form PTO-2038 is enclosed.
3. ☐ The Director is hereby authorized to charge \$ _____ to cover the payment of the fee(s) indicated below to Deposit Account No. _____.
4. ☐ The Director is hereby authorized to charge any deficiency in the payment of the required fee(s) or credit any overpayment to Deposit Account No. _____.

Item	Patent Number*	U.S. Application Number* [e.g., 08/555,555]	Maintenance Fee Amount (37 CFR 1.20(e)-(g))	Surcharge Amount (37 CFR 1.20(h))	Payment Year (select one below) Column 5		
					3.5 yrs	7.5 yrs	11.5 yrs
1	9,147,297	14/253,251	\$1000		X		
2							
3							
4							
5							
Subtotals: Columns 3 & 4					☐ _____ additional sheets attached for listing additional patents.		
Total Payment			1000				

* Information required by 37 CFR 1.366(c) (columns 1 & 2). Information requested under 37 CFR 1.366(d) (columns 3, 4, & 5).

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Respectfully submitted,**

Customer's Signature /Unisha Patel/

Customer's Name Unisha Patel

Registration Number, if applicable: 72449

Telephone: 9088126409

Fax: _____

Note: All correspondence will be forwarded to the "Fee Address" or to the "Correspondence Address" if no "Fee Address" has been provided. See 37 CFR 1.363.

Payment of small entity fee is appropriate if small entity status still exists, see 37 CFR 1.27(g). To establish small entity status or to notify of a loss of entitlement to small entity status, a written assertion is required. See 37 CFR 1.27 and 1.33(b). Payment of micro entity fee is appropriate if patent owner certifies micro entity status. Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously. To notify of a loss of entitlement to micro entity status, a written assertion is required. See 37 CFR 1.29 and 1.33(b).

** WHERE MAINTENANCE FEE PAYMENTS ARE TO BE MADE BY AUTHORIZATION TO CHARGE A DEPOSIT ACCOUNT, BOTH THE NAME AND SIGNATURE OF AN AUTHORIZED USER ARE REQUIRED.

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PTO/SB/92 (05-22)

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- 2.
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- 3.
- ☐
- Transmitted via the USPTO's patent electronic filing system (Patent Center or EFS-Web).

/Unisha Patel/

8-2-2022

Signature

Date

Unisha Patel

9088126409

Typed or printed name

Telephone number

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PTO-2038

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PTO-2038 (06-2021)
United States Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE**Credit Card Payment Form**

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Credit Card Type: ☐ Visa ☐ MasterCard ☒ American Express ☐ Discover			
Credit Card Account #: [REDACTED]			
Credit Card Expiration Date (mm/yyyy): 06/2024			
Name as it Appears on Credit Card: Unisha Patel			
Payment Amount (US Dollars): \$ 1000			
Cardholder Signature: /Unisha Patel/		Date (mm/dd/yyyy): 08-02-2022	
<small>The USPTO accepts a handwritten signature or an s-signature under 37 CFR 1.4(d). Refund Policy: The USPTO may refund a fee paid by mistake or in excess of that required. A change of purpose after the payment of a fee will not entitle a party to a refund of such fee. The USPTO will not refund amounts of \$25.00 or less unless a refund is specifically requested and will not notify the payor of such amounts (37 CFR 1.26). Refund of a fee paid by credit card will be issued as a credit to the credit card account to which the fee was charged. Maximum Daily Limit: There is a \$24,999.99 daily limit per credit card account effective June 1, 2015. There is no daily limit for debit cards.</small>			
Credit Card Billing Address			
Street Address 1: 1655 Delano Street			
Street Address 2: Unit 32			
City: Milpitas			
State/Province: CA		Zip/Postal Code: 95035	
Country: US			
Daytime Phone #: 9088126409		Fax #:	
Request and Payment Information			
Description of Request and Payment Information:			
☐ Patent Fee	☒ Patent Maintenance Fee	☐ Trademark Fee	☐ Other Fee
Application No.	Application No. 14/253,251	Application No.	IDON Customer No.
Patent No.	Patent No. 9,147,297	Registration No.	
Attorney Docket No.		Identify or Describe Mark.	

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,251	04/15/2014	Christopher P. Ricci	51263-00236	6723
153965	7590	02/15/2023	EXAMINER	
Patent Ventures, LLC 1655 Delano Street, 32 Milpitas, CA 93035			DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3667	
			NOTIFICATION DATE	DELIVERY MODE
			02/15/2023	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):

USPTO@dockettrak.com
mo@patvent.com
unisha@patvent.com



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
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In re :
Flextronics AP, LLC : **DECISION ON PETITION**
Application No. 14/253,251 :
Filed: 15 Apr 2014 :
Patent No. 9,147,297 :
Issued: 29 Sep 2015 :
Docket No. 51263-00236

This is a decision on the petition to accept an unintentionally delayed payment of the maintenance fee in an expired patent under 37 CFR 1.378(b), filed August 2, 2022.

The petition under 37 CFR 1.378(b) is **DISMISSED**.

Any request for reconsideration of this decision must be submitted within TWO (2) MONTHS from the mail date of this decision. Extensions of time under 37 CFR 1.136(a) are permitted. The reconsideration request should include a cover letter entitled “Renewed Petition under 37 CFR 1.378(b).” This is **not** a final agency action within the meaning of 5 U.S.C. § 704. No further petition fee or maintenance fee is required.

The above-identified patent issued September 29, 2015. Accordingly, the three and a half year maintenance fee could have been paid during the period from September 29, 2018 through March 29, 2019 without surcharge, or with a 6 month late payment surcharge during the period from March 30, 2019 through September 29, 2019. No three and a half year maintenance fee having been received, the patent expired on September 30, 2019.

37 CFR 1.378(b) provides that:

Any petition to accept an unintentionally delayed payment of a maintenance fee must include:

- (1) The required maintenance fee set forth in 37 CFR 1.20(e) through (g);
- (2) The petition fee set forth in 37 CFR 1.17(m); and
- (3) A statement that the delay in payment of the maintenance fee was unintentional.

The instant petition has not met requirement (3) above.

Petitioner has submitted the required statement of unintentional delay. However, the Director may require additional information where there is a question whether the delay was unintentional.

The USPTO requires additional information concerning whether a delay in seeking acceptance of a delayed maintenance fee payment was unintentional where the petition to accept such maintenance fee payment was filed more than two years after the date the patent expired for nonpayment. *See Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay*, 85 FR 12222 (March 2, 2020).

In this instance, a petition under 37 CFR 1.378(b) was filed more than two years after the patent expired for nonpayment of a maintenance fee. Therefore, petitioner must provide sufficient information of the facts and circumstances surrounding the entire delay to support a conclusion that the entire delay was unintentional. *Id.* at 12223. Details regarding the cause of petitioner's nonpayment of a maintenance fee that resulted in expiration of the patent, when the expiration of the patent was discovered, and the delay between discovery of the expiration of the patent and filing of the petition under 37 CFR 1.378(b) are of particular relevance. Petitioner should provide relevant dates and identify responsible parties where appropriate.

Petitioner should note that the party whose delay is relevant is the party having the right or authority to make the timely maintenance fee payment in the above-identified patent. When the entire right, title, and interest in patent have been assigned to a third party (and thus does not retain any legal or equitable interest in the invention), the delay of the patentee to whom the patent was issued is irrelevant in evaluating whether the delay was unintentional. *See Kim v. Quigg*, 718 F. Supp. 1280, 1284, 12 USPQ2d 1604, 1607-08 (E.D. Va. 1989).

See MPEP §§ 711.03(c)(II)(C)-(H) and 2590(I) for additional guidance on the information required to establish that the entire delay was unintentional.

Here, the petition has included a declaration of Gregg Hershenson, CEO of Assignee AutoConnect Holdings, LLC (the assignment was recorded with the Office on August 28, 2015). Hershenson states that on May 15, 2019, AutoConnect entered into a Patent Purchase Agreement with IP Optimum Limited, under which title to the instant patent was assigned to IP Optimum. The agreement required that IP Optimum pay any maintenance fees due. The agreement was also structured so that AutoConnect had ongoing interests in the patent, including a reversionary right to reacquire the patent for no compensation if certain conditions were not satisfied. Hershenson further states that failure to pay the maintenance fee in the instant patent appears to have resulted from a misunderstanding between AutoConnect and IP Optimum about who was responsible for paying the maintenance fee.

However, as set forth above, the party whose delay is relevant is the party having the right or authority to make the timely payment of the maintenance fee. Accordingly, on renewed petition, Petitioner must provide a verified statement from an authorized representative of IP Optimum concerning their failure to timely pay the maintenance fee. In addition, the renewed petition

should explain how AutoConnect became aware of the expiration of the patent, as well as explain when and how AutoConnect reacquired the patent.

Receipt of the \$1050 petition fee and \$1000 maintenance fee is acknowledged. No further fees are due on renewed petition.

Further correspondence with respect to this matter should be delivered through one of the following mediums:

By mail: Mail Stop PETITIONS
 Commissioner for Patents
 Post Office Box 1450
 Alexandria, VA 22313-1450

By fax: (571) 273-8300
 ATTN: Office of Petitions

By internet: EFS-Web or Patent Center

Telephone inquiries related to this decision should be directed to the undersigned at (571)272-3207.

/Cliff Congo/

Cliff Congo
Attorney Advisor – Office of Petitions

To: mo@patvent.com,unisha@patvent.com,USPTO@dockettrak.com
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 153965

Feb 22, 2023 12:50:32 PM

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Patent Ventures, LLC
1655 Delano Street, 32
Milpitas, CA 93035
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 153965 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

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Application	Document	Mailroom Date	Attorney Docket No.
14253251	PETDEC	02/15/2023	51263-00236

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If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent No. 9,147,297

Inventor: Christopher P. Ricci

Confirmation Number: 6219

Application No.: 14/253,251

Filed: April 15, 2014

Title: INFOTAINMENT SYSTEM BASED ON USER PROFILE

Renewed Petition Under 37 CFR 1.378(b)

Mail Stop Petitions
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Madam/Sir:

This Renewed Petition is filed in response to the February 15, 2023, Decision on Patent Owner's Petition under 37 CFR 1.378 to revive Patent No. 9,147,297 for the unintentional failure to pay maintenance fees. Patent Owner respectfully submits that this Petition should be granted because the delayed payment of maintenance fees was unintentional and Petitioner has diligently worked to resolve the mistake since it was first discovered. At no time did anyone with an ownership interest in the patent intend to abandon the patent for failure to pay maintenance fees. This Request for Reconsideration is supported by (1) the December 28, 2022 Declaration from Mr. Gregg Hershenson, CEO of AutoConnect, and (2) the January 27, 2023 Declaration from Mr. Pascal Asselot, the person responsible for managing the commercialization of the AutoConnect patent portfolio while it was held by IP Optimum.

1. Patent Owner Discovered that the Patent Expired for Failure to Pay Maintenance Fees on About May 6, 2022

As confirmed in the December 28, 2022 Hershenson Declaration, on about May 6, 2022, Patent Owner learned from outside legal counsel that the patent had been declared abandoned for failure to pay the 3.5 year maintenance fees. Outside counsel notified AutoConnect immediately after discovering the patent had expired. Thereafter, Patent Owner diligently investigated the facts surrounding the untimely payment of maintenance fees and filed a renewed petition to revive without delay.

2. Patent Owner Conducted an Investigation Immediately Upon Discovery of the Expiration of the Patent, Which Confirmed that the Failure to Pay Maintenance Fees Was Unintentional

Mr. Hershenson immediately started his investigation after learning from outside counsel about the expiration of the patent on about May 6, 2022. He completed that investigation on about July 11, 2022, when he signed a declaration summarizing the results of his investigation.

As part of Mr. Hershenson's investigation, he looked into activities at AutoConnect as well as activities that occurred at IP Optimum. IP Optimum held title to the AutoConnect patent portfolio, including the patent at issue, from May 15, 2019, until March 27, 2020. Specifically, on May 15, 2019, AutoConnect and IP Optimum entered into a Patent Purchase Agreement ("PPA"), under which AutoConnect's patent portfolio, including the patent at issue, was assigned to IP Optimum. The parties structured the PPA so that AutoConnect had various ongoing interests in the patent at issue, including the right to reacquire its patents under certain conditions. On March 27, 2020, AutoConnect exercised its right to reacquire the patents, including the patent at issue.¹

During his investigation, Mr. Hershenson confirmed with his AutoConnect co-owners that no one ever intentionally failed to pay maintenance fees or otherwise intended to let the patent lapse. As for IP Optimum, Mr. Hershenson spoke with three different people who supported IP Optimum's efforts to commercialize the AutoConnect patent portfolio, including the patent at issue. He spoke with IP Optimum's outside patent counsel, Darrin Auito, Esq., who confirmed that he never received an instruction not to pay the patent's maintenance fees (or any instruction to otherwise abandon the patent). He also spoke with Kathy Grubbs, Esq., who was involved with IP Optimum in the relevant time frame, and she too was unaware of any decisions or instructions not to pay maintenance fees. In addition, Mr. Hershenson spoke with Pascal Asselot, who was involved with the commercialization of the patent portfolio while held by IP Optimum, and he was also unaware of intention or any decision to abandon the patent, whether to avoid paying maintenance fees or for any other reason. Mr. Asselot's Declaration confirms this fact and further explains that there would not "have been any reason to abandon those applications because we were actively trying to commercialize them."

3. The Failure to Pay Maintenance Fees Was A Mistake

Patent Owner's investigation confirmed that the failure to pay maintenance fees was not an intentional decision but instead the result of a mistaken application of a contract.

AutoConnect and IP Optimum included provisions in the PPA to ensure payment of any

¹ Patent Owner understands that IP Optimum is no longer a going concern.

maintenance fees due and payable on the assigned patents. AutoConnect, however, misapplied the provisions in the PPA governing the parties' respective obligations to pay maintenance fees. Section 5.5 of the agreement states that "[IP Optimum] will pay any maintenance fees, annuities, and the like due and payable on the Patents for the period commencing after the [May 20, 2019] Closing Date." Based on this provision, AutoConnect understood that IP Optimum was required to pay maintenance fees for the Subject Patents. But in its investigation, AutoConnect discovered another provision, Section 6.11, which states that AutoConnect, as the Seller, agreed it has paid all maintenance fees "due or payable . . . within ninety (90) days following the [May 20, 2019] Closing Date" which "includes payment of . . . maintenance . . . fees for which the fee payment window has opened even if the surcharge date is in the future." AutoConnect misapplied the terms of the PPA, using the *deadline for payment of maintenance fees* as the operative date for determining which of Seller and Purchaser was responsible for paying maintenance fees while it appears that the *date on which the window for payment first opened* was the operative date. It was this misunderstanding that appears to have caused the failure to timely pay the maintenance fees.

Thus, as established by the December 28, 2022 Hershenson Declaration and the January 27, 2023 Asselot Declaration, (1) there was no intentional failure or delay in paying the 3.5 year maintenance fee or submitting a petition to revive, and (2) promptly upon discovering the fact the patent had expired for failure to pay maintenance fees, Patent Owner thoroughly investigated the issue and confirmed there was no intent to allow the patent to go abandoned for failure to pay maintenance fees, and (3) promptly prepared and submitted a renewed petition to revive. For this reason, Applicant requests that the Office revive the patent.

4. Patent Owner Diligently Completed and Filed the Petition to Revive

Petitioner filed its original petition to revive promptly after the completion of Mr. Hershenson's investigation and the preparation of the petition and supporting documents for submission to PTO.

5. Patent Owner Diligently Completed and Filed the Request for Reconsideration

The decision denying the petition to revive was mailed on February 15, 2023 and sets forth requests for additional information. This Renewed Petition is being filed within the two-month deadline identified therein.

6. No Further Payment of Fees Required

The Decision on Petition indicates that the appropriate fees have been paid, and that "no

further fees are due on renewed petition.”

In view of the foregoing, Patent Owner respectfully requests that the Office deem the identified patent revived.

Respectfully submitted,

/Unisha Patel/

Unisha Patel

Registration No.: 72449

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applications of

Inventor: Christopher P. Ricci

Petition under 37 CFR 1.378

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Alexandria, VA 22313-1450

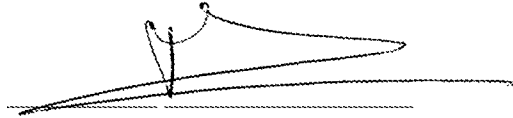
**DECLARATION OF PASCAL ASSELOT
IN SUPPORT OF PETITION UNDER 37 CFR 1.378**

I, Pascal Asselot, hereby declare and state as follows:

1. I co-founded IPwe in January 2018 and served as Managing Director from then until September 2021. I was responsible for the commercialization of patent portfolios. In particular, I managed the commercialization of a vehicular technology patent portfolio brought by an entity called IP Optimum and acquired from AutoConnect Holdings, LLC. I understand that IP Optimum is no longer a going concern.
2. In my role commercializing the patent portfolio, I am unaware of any decisions to abandon any patents in the AutoConnect patent portfolio, whether to avoid paying maintenance fees or for any other reason. Nor would there have been any reason to abandon those applications because we were actively trying to commercialize them.
3. I declare that all statements made herein are true to the best of my knowledge, or if made upon information and belief, are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United

States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted on this 27th day of January 2023.

A handwritten signature in black ink, appearing to read 'Pascal Asselot', written over a horizontal line.

Pascal Asselot
69B, boulevard de Courcelles
75008 Paris
FRANCE

**IN THE UNITED STATES PATENT AND TRADEMARK
OFFICE**

In re Applications of

Inventor: Christopher P. Ricci

Petition under 37 CFR 1.378

Mail Stop Petitions
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**DECLARATION OF GREGG HERSHENSON
IN SUPPORT OF PETITION UNDER 37 CFR 1.378**

I, Gregg Hershenson, hereby declare and state as follows:

1. I am the Chief Executive Officer of AutoConnect Holdings, LLC, and have held that role since the company's inception. On June 15, 2022, AutoConnect submitted petitions under 37 CFR 1.378(b) to accept unintentionally delayed payments of the 3 ½ year maintenance fee for several patents owned by AutoConnect. An October 28, 2022, communication dismissed one of the petitions relating to U.S. Patent No. 9,123,058 (application 13/678,710) and requested additional information regarding the delay in a renewed petition. Additional facts concerning when AutoConnect discovered maintenance fees were not paid and the filing of petitions to revive are addressed herein.

2. AutoConnect focuses on the development of technology for improving vehicular connectivity, including through mobile device integration, remote configuration, formation of vehicle-to-vehicle safety networks, and improved infotainment platforms. AutoConnect's patent portfolio, which currently includes over 70 issued patents in the United States, is a key asset of the company. I have been responsible for ensuring that maintenance

fees have been paid on AutoConnect's patent portfolio, which includes **Patent Nos. 9,140,560; 9,142,071; 9,142,072; 9,147,296; 9,147,297; 9,147,298; 9,153,084; 9,159,232; 9,173,100; 9,176,924; and 9,183,685** ("the Subject Patents").

3. On May 15, 2019, before any of the Subject Patents had expired for failure to pay maintenance fees, AutoConnect entered into a Patent Purchase Agreement ("PPA") with IP Optimum Limited, under which title to AutoConnect's patent portfolio, including the Subject Patents, was assigned to IP Optimum. AutoConnect and IP Optimum included provisions in the PPA to ensure the payment of any maintenance fees due and payable on the Subject Patents for the period commencing after the closing date for the PPA on May 20, 2019. Specifically, Section 5.5 of the agreement states that "Purchaser will pay any maintenance fees, annuities, and the like due and payable on the Patents for the period commencing after the [May 20, 2019] Closing Date." Based on this provision, AutoConnect understood that IP Optimum was required to pay maintenance fees for the Subject Patents.

4. The PPA was structured so that AutoConnect had various ongoing interests in the assigned patents, including the Subject Patents. Specifically, AutoConnect secured a reversionary right to reacquire the patents for no compensation if certain conditions were not satisfied. On March 27, 2020, AutoConnect exercised its right to reacquire the patents, including the Subject Patents.

5. The Subject Patents all expired during the period between September 23, 2019, and November 12, 2019. This was several months after the execution of the PPA and before AutoConnect required the patents. Maintenance fees for AutoConnect patents that were due after this time frame were timely paid and those patents remain in effect.

6. Earlier this year, around May 6, 2022, outside counsel discovered and brought to our attention that the Subject Patents had expired due to failure to pay maintenance fees. Until this date, AutoConnect was unaware that any the Subject Patents had expired as a result of a failure to pay maintenance fees, and so had no reason to pay the outstanding maintenance fees or file a petition under 37 CFR 1.378(b) seeking to revive them. After learning that the Subject Patents had expired, I immediately undertook efforts to investigate the missing maintenance fee payments. Consistent with the provisions in the PPA where both AutoConnect and IP Optimum agreed that all maintenance fees on the patent should be paid, I have confirmed that the failure to pay maintenance fees on the Subject Patents was unintentional.

7. During my investigation, I confirmed with the co-owners of AutoConnect, Christopher Ricci and Peter Sousa, that there was never any decision or intent to allow the Subject Patents to expire. Similarly, I confirmed that AutoConnect never authorized or instructed IP Optimum to abandon any patents for any reason, including through a failure to pay maintenance fees.

8. My investigation also included discussions with AutoConnect's patent counsel, who confirmed there was never an intention or instruction to let the Subject Patents expire.

9. In addition, upon learning of the expiration of the Subject Patents, I contacted several persons that were either employed by or associated with IP Optimum during the relevant time frame, including those who would have been knowledgeable about decisions to pay maintenance fees. I confirmed that IP Optimum's outside patent counsel, Darrin Auito, Esq., never received instructions not to pay maintenance fees or any instruction to otherwise abandon the Subject Patents. I also spoke with Kathy Grubbs, Esq., who was also involved

with IP Optimum in the relevant time frame. Ms. Grubbs also confirmed she was unaware of any decisions or instructions not to pay maintenance fees. More recently, I contacted Pascal Asselot and Erich Spangenberg, who were also involved with IP Optimum during the relevant time frame. Both confirmed they were unaware of intention or any decision to abandon patents. These discussions with individuals formerly associated with IP Optimum are consistent with the requirement to pay maintenance fees by the PPA and further confirm that the nonpayment of maintenance fees was unintentional.

10. In summary, at no point in time, either before or after execution of the PPA, did AutoConnect or IP Optimum intend, or otherwise elect, to abandon the Subject Patents. At all times it was AutoConnect's belief and understanding that all maintenance fees had been paid and the Subject Patents (as with all other patents that were the subject of the PPA) remained in full force and effect.

11. Based on our investigation, the failure to pay maintenance fees was accidental and appears to have resulted from confusion over provisions of the PPA that covered the payment of maintenance fees with a final deadline in the September to November 2019 time frame. For example, in addition to Section 5.5 of the agreement, which states that "Purchaser will pay any maintenance fees, annuities, and the like due and payable on the Patents for the period commencing after the [May 20, 2019] Closing Date," Section 6.11 of the PPA also addressed the payment of maintenance fees:

6.11 Prosecution Obligations; Fees. No undisclosed actions must be taken by Seller before any governmental entity (including the United States Patent and Trademark Office or equivalent authority anywhere in the world) within ninety (90) days of the Closing Date with respect to any of the Assigned Patent Rights. All maintenance fees, annuities, and the like due or payable on the Patents until the lapse of ninety (90) days following the Closing Date have been timely paid. For the avoidance of doubt, such timely payment includes payment of registration, maintenance, and renewal fees for which the fee payment window has opened even if the surcharge date is in the future. Notwithstanding the forgoing, responsibility for obligation to respond to prosecution matters, and associated expenses, will transfer to Purchaser immediately upon closing. At least sixty (60) days prior to the date by which action must be taken to avoid abandonment of a pending application, Purchaser shall provide Seller with notice if it intends to abandon such application and provide Seller an opportunity to reacquire the application at no cost ("Reacquired Applications"). Purchaser shall retain a non-exclusive license to Reacquired Applications with the right to grant a sublicense to any third party who receives a license to part or all of the remaining Patents.

Under Section 6.11, AutoConnect (Seller) agreed it has paid all maintenance fees "due or payable . . . within ninety (90) days following the [May 20, 2019] Closing Date." The agreement then states that "For the avoidance of doubt, such timely payment includes payment of . . . maintenance . . . fees for which the fee payment window has opened even if the surcharge date is in the future." AutoConnect misapplied this Section of the PPA and used *the deadline* for payment of maintenance fees as the operative date for determining which of Seller and Purchaser was responsible for paying maintenance fees. Section 6.11 appears to indicate that the operative date for payment by AutoConnect was when *the window for the payment of maintenance fees first opened*, not the payment deadline, which was several months after the parties executed the PPA.

12. My investigation began immediately after May 6, 2022, when I first learned that the Subject Patents had expired and finished just before our original petition to revive on July 11, 2022. I completed my investigation and AutoConnect filed its petition to revive as diligently as possible. The only reason for the passage of time between May 6, 2022, and the date AutoConnect filed petitions to revive under 37 CFR 1.378 was to perform an investigation into the issue and prepare the paperwork necessary to support the petition.

13. I declare that all statements made herein are true to the best of my knowledge, or if made upon information and belief, are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted on this 28th day of December 2022.

A handwritten signature in black ink, appearing to read 'GH', is written over a horizontal dotted line.

Gregg Hershenson
CEO
AutoConnect Holdings, LLC

Electronic Acknowledgement Receipt

EFS ID:	47599040
Application Number:	14253251
International Application Number:	
Confirmation Number:	6723
Title of Invention:	INFOTAINMENT SYSTEM BASED ON USER PROFILE
First Named Inventor/Applicant Name:	Christopher P. Ricci
Customer Number:	153965
Filer:	Unisha Patel
Filer Authorized By:	
Attorney Docket Number:	51263-00236
Receipt Date:	27-FEB-2023
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Time Stamp:	18:37:03
Application Type:	Utility under 35 USC 111(a)

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition for review by the Office of Petitions	Petition1378B51263-002362-27-2023.pdf	45609 4b495c78bc377c7c601a5fb2e96d799e96efebad	no	4

Warnings:

Information:					
2	Miscellaneous Incoming Letter	AsselotDeclaration2-27-2023.pdf	84326	no	2
			3bda50f86ad5ba9c6896113363f0d30f4af35218		
Warnings:					
Information:					
3	Miscellaneous Incoming Letter	HershensonDeclaration51263-02362-27-2023.pdf	934804	no	6
			de8da8604fbe1cb4dce3aed95be3f4abb0ef1a72		
Warnings:					
Information:					
Total Files Size (in bytes):			1064739		
<p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p>					



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/253,251	04/15/2014	Christopher P. Ricci	51263-00236	6723
153965	7590	03/22/2023		
Patent Ventures, LLC 1655 Delano Street, 32 Milpitas, CA 93035			EXAMINER DUNN, ALEX C	
			ART UNIT	PAPER NUMBER
			3667	
			NOTIFICATION DATE	DELIVERY MODE
			03/22/2023	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):

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In re Application of :
Flextronics AP, LLC : **DECISION ON PETITION**
Application No. 14/253,251 :
Filed: 15 Apr 2014 :
Patent No. 9,147,297 :
Issued: 29 Sep 2015 :
Docket No. 51263-00236 :

This is a decision on the renewed petition to accept an unintentionally delayed payment of the maintenance fee in an expired patent under 37 CFR 1.378(b), filed February 27, 2023.

The petition under 37 CFR 1.378(b) is **GRANTED**.

The above-identified patent issued September 29, 2015. Accordingly, the three and a half year maintenance fee could have been paid during the period from September 29, 2018 through March 29, 2019 without surcharge, or with a 6 month late payment surcharge during the period from March 30, 2019 through September 29, 2019. No three and a half year maintenance fee having been received, the patent expired on September 30, 2019. Patentee filed a petition to accept the unintentionally delayed payment of the maintenance fee under 37 CFR 1.378(b) on August 2, 2022. However, the petition was dismissed in a decision mailed on February 15, 2023. The decision explained that the patent had been expired for longer than two years, and requested that Patentee more thoroughly explain the delay in filing the petition.

With the instant renewed petition, Petitioner has satisfactorily accounted for the delay in filing the initial petition. The other requirements for a grantable petition (payment the petition fee and maintenance fee) were previously met with the petition filed August 2, 2022.

The maintenance fee in this case is accepted and the above-identified patent is hereby reinstated as of the mail date of this decision.

Telephone inquiries related to this decision should be directed to the undersigned at (571)272-3207.

/Cliff Congo/

Cliff Congo
Attorney Advisor – Office of Petitions

To: mo@patvent.com,unisha@patvent.com,USPTO@dockettrak.com
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
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Mar 22, 2023 03:28:55 AM

Dear PAIR Customer:

Patent Ventures, LLC
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UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 153965 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

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Application	Document	Mailroom Date	Attorney Docket No.
14253251	PETDEC	03/22/2023	51263-00236

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Thank you for prompt attention to this notice,

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