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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/543,293	11/30/2021	11188998	MPOR60-34712	9008

25883 7590 11/10/2021

MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

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 Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PAIR WEB site http://pair.uspto.gov for additional inventors):

Michael F. Malone, McKinney, TX;

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

MYPORT IP, INC., McKinney, TX;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

IR103 (Rev. 10/09)

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

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

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

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence 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)

25883 7590 08/16/2021
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/543,293	08/16/2019	Michael F. Malone	MPOR60-34712	9008

TITLE OF INVENTION: METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	11/16/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
SHERALI, ISHRAT I	2667	382-100000

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 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Gregory M. Howison
2
3

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

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

(A) NAME OF ASSIGNEE: MYPORT IP, INC.

(B) RESIDENCE: (CITY and STATE OR COUNTRY): MCKINNEY, TEXAS

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

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

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

☒ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 50-0208

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 /Gregory M. Howison, Reg. #30646/ Date October 21, 2021

Typed or printed name GREGORY M. HOWISON Registration No. 30,646

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Electronic Patent Application Fee Transmittal

Application Number:	16543293
Filing Date:	16-Aug-2019
Title of Invention:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
First Named Inventor/Applicant Name:	Michael F. Malone
Filer:	Gregory Michael Howison/Joselyn Rodriguez
Attorney Docket Number:	MPOR60-34712

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:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
UTILITY APPL ISSUE FEE	1501	1	1200	1200
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1200**

Electronic Acknowledgement Receipt	
EFS ID:	44087639
Application Number:	16543293
International Application Number:	
Confirmation Number:	9008
Title of Invention:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
First Named Inventor/Applicant Name:	Michael F. Malone
Customer Number:	25883
Filer:	Gregory Michael Howison
Filer Authorized By:	
Attorney Docket Number:	MPOR60-34712
Receipt Date:	21-OCT-2021
Filing Date:	16-AUG-2019
Time Stamp:	12:56:36
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1200
RAM confirmation Number	E20210KC57182625
Deposit Account	500208
Authorized User	Gregory Howison
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.21 (Miscellaneous fees and charges) 37 CFR 1.17 (Patent application and reexamination processing fees)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	MPO34712IssueFeeTransmittal.pdf	1657087 ee6be874a12242134a04bc0ba706d4a73651c1d5	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	40290 8a5abe94af0e3c3d626a3c8f4bb39349a815988c	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1697377		

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.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/543,293	08/16/2019	Michael F. Malone	MPOR60-34712	9008

25883 7590 10/20/2021
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

EXAMINER	
SHERALI, ISHRAT I	

ART UNIT	PAPER NUMBER
2667	

NOTIFICATION DATE	DELIVERY MODE
10/20/2021	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):

IPdocketing@munckwilson.com
admin@dalpat.com
eofficeaction@appcoll.com

Response to Rule 312 Communication	Application No.	Applicant(s)	
	16/543,293	Malone, Michael F.	
	Examiner	Art Unit	AIA (FITF) Status
	ISHRAT I SHERALI	2667	No

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

1. ☑ The amendment filed on 29 September 2021 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.

/ISHRAT I SHERALI/
Primary Examiner, Art Unit 2667

Please enter this amendment
10/13/2021 EX /IS/

MPOR60-34712 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	MALONE, Michael F.
Serial No.:	16/543,293
Confirmation No.	9008
Filed:	August 16, 2019
Notice of Allowance Mailed:	August 16, 2021
Group:	2667
Examiner:	SHERALI, Ishrat I.
For:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

AMENDMENT UNDER RULE 312

The above-identified application has been carefully reviewed prior to the payment of the Issue Fee. It is requested that the following amendments be entered under the provisions of Rule 312.

Amendments to the Claims are reflected in the listing of claims beginning on page 2 of this paper.

Remarks begin on page 8 of this paper.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	MALONE, Michael F.
Serial No.:	16/543,293
Confirmation No.	9008
Filed:	August 16, 2019
Notice of Allowance Mailed:	August 16, 2021
Group:	2667
Examiner:	SHERALI, Ishrat I.
For:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

AMENDMENT UNDER RULE 312

The above-identified application has been carefully reviewed prior to the payment of the Issue Fee. It is requested that the following amendments be entered under the provisions of Rule 312.

Amendments to the Claims are reflected in the listing of claims beginning on page 2 of this paper.

Remarks begin on page 8 of this paper.

In the Claims

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

1. (Canceled)

2. (Currently Amended) A method for interfacing with a device and acquiring information with the device from an environment external to the device to be transmitted to a receiving facility and for transmitting the acquired information thereto, comprising:

the device including a capture device and the capture device controlled to capture the information from the external environment where the information is selected from the group consisting of a video segment, a still image and an audio segment, each of which varies in real time in the external environment and relative to time in the external environment prior to capture by the capture device, and converting the information to converted information for storage in a storage area as captured information;

controlling a device processor to create a file comprised of a representation of the captured information associated with a representation of the date and time of the capture of the information as augmented captured information, wherein the ~~said~~ representation of the date and time information in association with the representation of the captured information forms the file containing the augmented captured information;

controlling an encryptor on the device processor to encrypt the augmented captured information as an encrypted file containing encrypted augmented captured information,

controlling the device processor to initiate a signing operation for adding signature information to the file including the encrypted augmented captured information to provide an identifiable encrypted file, wherein the signature information provides information to the receiving facility that allows identification of the party claiming to have created the captured information for later identification of the party,

controlling the device processor to place the identifiable encrypted file including both the encrypted augmented captured information and the unencrypted signature information in association with subscriber information as a transmission file for transmission to a receiving facility requiring the subscriber information, the subscriber

information required at the receiving facility for a lookup operation to obtain additional information to allow further processing of the augmented captured information at the receiving facility;

controlling a transmitter on the device for transmitting the ~~said~~ transmission file to ~~said~~ the receiving facility in order to further process the augmented captured information at the receiving facility; and

receiving the transmission file and accepting the identifiable encrypted file after verification of the subscriber information.

3. (Currently Amended) The method of claim 2, wherein the step of controlling the device processor to create a file associates the captured information with a representation of location information representing the location of the ~~said~~ capture device at the completion of the time of the capture of the information as augmented captured ~~capture~~ information.

4. (Previously Presented) The method of claim 2, wherein the processor includes a geographical position and time-of-day determination (GPS) receiver for providing such location information.

5. (Previously Presented) The method of claim 2, wherein the step of controlling the encryptor encrypts the augmented captured information with a symmetrical encryption algorithm in a first layer to provide the encrypted augmented captured information which is included in the transmission with the signature information and the subscriber information transmitted by the step of controlling the transmitter.

6. (Previously Presented) The method of claim 5, and wherein the step of controlling the encryptor further encrypts the first layer encrypted augmented captured information with a second layer of encryption utilizing an asymmetrical encryption algorithm to provide a two layer encrypted file, which two layered encrypted file has the signature information added thereto to provide the identifiable encrypted file.

7. (Previously Presented) The method of claim 6, wherein the asymmetrical encryption algorithm utilizes a public key for encryption and a private key is required for decryption.

8. (Currently Amended) The method of claim 6, wherein the step of controlling the encryptor further encrypts the identifiable encrypted file including the first and second layer encrypted augmented information with the added signature information with a third layer of encryption with an asymmetrical encryption algorithm to provide a three layer encrypted file that provides a combined encrypted file having encrypted therein the encrypted augmented information and the unencrypted signature information for transmission in the ~~said~~ transmission with the subscriber information.

9. (Previously Presented) The method of claim 8, wherein the third layer asymmetrical encryption algorithm utilizes a public key of a third party.

10. (Currently Amended) A method for acquiring information with a device from an environment external to the device to be transmitted to a receiving facility and for transmitting the acquired information thereto, comprising:

the device including a capture device for capturing the information from the external environment where the information is selected from the group consisting of a video segment, a still image and an audio segment, each of which varies in real time in the external environment and relative to time in the external environment prior to capture, and converting the information to converted information for storage in a storage area as captured information;

associating with the captured information a representation of the date and time of the capture of the information, wherein the ~~said~~ representation of the date and time information in association with the captured information forms a file containing the augmented captured information;

encrypting with an encryptor the augmented captured information with a bottom layer of encryption as a bottom layer encrypted file that provides a first level of encryption of the augmented captured information that is only accessible by a secret key of a party,

in a signing operation, adding signature information to the encrypted file at the bottom layer, wherein the signature information provides information to the receiving facility that allows identification of the party claiming to have created the bottom layer encrypted augmented captured information for later identification of the party,

encrypting with the encryptor the combined encrypted file containing the encrypted augmented captured information and previously unencrypted signature information with a top layer of encryption comprising a second level of encryption different from the first level of encryption as an identifiable encrypted file wherein at least the first level of encryption utilizes a symmetrical encryption algorithm different from the second level of encryption and not associated with the secret key of a party associated with the first level of encryption,

placing the identifiable encrypted file including both the bottom layer encrypted file at the first layer of encryption and the encrypted signature information at the second level of encryption in association with subscriber information as a transmission file for transmission of the identifiable encrypted file to a receiving facility requiring such subscriber information, the subscriber information not encrypted at either the first or second levels of encryption, which subscriber information is required at the receiving facility for a lookup operation to obtain additional information;

transmitting with a transmitter the ~~said~~ augmented captured information formatted for transmission including the identifiable encrypted file and the subscriber information to the ~~said~~ receiving facility; and

receiving at a receiving facility the transmission file and accepting the identifiable encrypted file after verification of the subscriber information.

11. (Previously Presented) The method of claim 10, and wherein the step of encrypting further encrypts the encrypted augmented captured information with a middle layer of encryption utilizing an asymmetrical encryption algorithm to provide a two layer encrypted file, which has the signature information added thereto after encryption to provide the identifiable encrypted file.

12. (Previously Presented) The method of claim 11, wherein the asymmetrical encryption algorithm utilizes a public key for encryption and a private key is required for decryption.

13. (Currently Amended) The method of claim 11, wherein top layer of encryption utilizes an asymmetrical encryption algorithm to provide a three layer encrypted file for transmission in the ~~said~~ transmission with the subscriber information.

14. (Previously Presented) The method of claim 13, wherein the top layer asymmetrical encryption algorithm utilizes a public key of a third party.

15. (Currently Amended) A method for acquiring information with a device from an environment external to the device to be transmitted to a receiving facility and for transmitting the acquired information thereto, comprising:

the device including a capture device for capturing the information from the external environment where the information is selected from the group consisting of a video segment, a still image and an audio segment, each of which varies in real time in the external environment and relative to time in the external environment prior to capture by the capture device, and converting the information to converted information for storage in a storage area as captured information;

creating a file comprised of the captured information associated with a representation of the date and time of the capture of the information as augmented captured information, wherein the ~~said~~ representation of the date and time information in association with the captured information forms the file containing the augmented captured information;

encrypting with an encryptor the augmented captured information as an encrypted file containing encrypted augmented captured information,

in a signing operation, adding signature information to the file including the encrypted augmented captured information to provide an identifiable encrypted file, wherein the signature information provides information to the receiving facility that allows identification of the party claiming to have created the captured information for later identification of the party,

placing the identifiable encrypted file including both the encrypted augmented captured information and the unencrypted signature information in a transmission file for transmission to a receiving facility;

transmitting with a transmitter the ~~said~~ transmission file to the ~~said~~ receiving facility in order to further process the augmented captured information at the receiving facility; and

receiving at the receiving facility the transmission file and accepting the identifiable encrypted file and identifying the encrypted file with the signature information for processing of the encrypted file without removing the encryption therefrom.

REMARKS

Subsequent to the receipt of a Notice of Allowance, this application was carefully reviewed prior to payment of the Issue Fee. The errors noted during this review have been corrected by this Amendment Under Rule 312 of Claims 2, 3, 8, 10, 13 and 15. It is respectfully submitted that the foregoing amendments do not affect the merits of the application and are proper subject matter for an Amendment Under Rule 312.

Entry of this Amendment is respectfully requested.

Respectfully submitted,
MUNCK WILSON MANDALA, LLP
Attorneys for Applicant(s)

/Gregory M. Howison, Reg. #30,646/

Gregory M. Howison
Registration No. 30,646

GMH/als
P.O. Drawer 800889
Dallas, Texas 75380
Tel: 972-628-3600
Fax: 972-628-3616
September 29, 2021

Electronic Acknowledgement Receipt	
EFS ID:	43895586
Application Number:	16543293
International Application Number:	
Confirmation Number:	9008
Title of Invention:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
First Named Inventor/Applicant Name:	Michael F. Malone
Customer Number:	25883
Filer:	Gregory Michael Howison
Filer Authorized By:	
Attorney Docket Number:	MPOR60-34712
Receipt Date:	29-SEP-2021
Filing Date:	16-AUG-2019
Time Stamp:	12:15:41
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		MPO34712AMD312.pdf	108473 1ccfc1a307095d91cae8ae8bcb2f1f64dfdc48c0	yes	8

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment after Notice of Allowance (Rule 312)	1	1
	Claims	2	7
	Applicant Arguments/Remarks Made in an Amendment	8	8
Warnings:			
Information:			
	Total Files Size (in bytes):	108473	

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New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
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.

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
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
16/543,293	08/16/2019	2667	1880	MPOR60-34712	14	3

CONFIRMATION NO. 9008

CORRECTED FILING RECEIPT

25883
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

OC000000127793932

Date Mailed: 08/19/2021

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

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Michael F. Malone, McKinney, TX;

Applicant(s)

MYPORT IP, INC., McKinney, TX;

Power of Attorney: The patent practitioners associated with Customer Number 25883

Domestic Priority data as claimed by applicant

This application is a CON of 15/925,988 03/20/2018 PAT 10387986
which is a CON of 15/450,494 03/06/2017 PAT 9922391
which is a CON of 14/881,696 10/13/2015 PAT 9589309
which is a CON of 14/175,331 02/07/2014 PAT 9159113
which is a CON of 13/306,732 11/29/2011 PAT 8687841
which is a CON of 12/857,731 08/17/2010 PAT 8068638
which is a CON of 11/679,533 02/27/2007 PAT 7778440
which is a CON of 11/325,373 01/04/2006 PAT 7184573
which is a CON of 10/674,910 09/29/2003 PAT 6996251
which claims benefit of 60/414,449 09/30/2002

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

If Required, Foreign Filing License Granted: 07/13/2020

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/543,293**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Title

METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Preliminary Class

382

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor

community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

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

25883 7590 08/16/2021
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

EXAMINER	
SHERALI, ISHRAT I	
ART UNIT	PAPER NUMBER
2667	

DATE MAILED: 08/16/2021

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/543,293	08/16/2019	Michael F. Malone	MPOR60-34712	9008

TITLE OF INVENTION: METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	11/16/2021

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

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

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

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

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence 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)

25883 7590 08/16/2021
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/543,293	08/16/2019	Michael F. Malone	MPOR60-34712	9008

TITLE OF INVENTION: METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	11/16/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
SHERALI, ISHRAT I	2667	382-100000

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 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

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

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

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

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

4a. Fees submitted: ❑ Issue Fee ❑ Publication Fee (if required) ❑ Advance Order - # of Copies _____

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

❑ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/543,293	08/16/2019	Michael F. Malone	MPOR60-34712	9008

25883 7590 08/16/2021

MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

EXAMINER	
SHERALI, ISHRAT I	

ART UNIT	PAPER NUMBER
2667	

DATE MAILED: 08/16/2021

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

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

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

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

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

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

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

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. 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. 16/543,293	Applicant(s) Malone, Michael F.	
	Examiner ISHRAT I SHERALI	Art Unit 2667	AIA (FITF) Status No

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

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

1. ☑ This communication is responsive to 5/10/2021.
   ☐ 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 2-15 (renumbered as 1-14) . 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 _____.

/ISHRAT I SHERALI/
Primary Examiner, Art Unit 2667

Allowable Subject Matter

Claims 2-15 (renumbered as 1-14) are allowed.

The following is an Examiner's statement of reasons for allowance:

The Applicants' replies make evident the reasons for allowance, satisfying the "record as a whole" provision of the rule 37 CFR 1.104(e). Specifically, the substance of applicants' remarks, filed 5/10/2021, are persuasive, as such the reasons for allowance are in all probability evident from the record and no statement is deemed necessary (see MPEP 1302. 14).

Communication

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ISHRAT I SHERALI whose telephone number is (571)272-7398. The examiner can normally be reached on Monday-Friday 8:00AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on 571-272-77787778. 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.

ISHRAT I. SHERALI
Examiner
Art Unit 2667

/ISHRAT I SHERALI/
Primary Examiner, Art Unit 2667

August 11, 2021

Notice of References Cited	Application/Control No. 16/543,293	Applicant(s)/Patent Under Reexamination Malone, Michael F.	
	Examiner ISHRAT I SHERALI	Art Unit 2667	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-10387986-B2	08-2019	Malone; Michael F.	H04N1/32101	1/1
*	B	US-6996251-B2	02-2006	Malone; Michael F.	H04L9/08	382/100
*	C	US-6332193-B1	12-2001	Glass; Randal	H04L9/3234	713/170
*	D	US-20020191087-A1	12-2002	Hashimoto, Yasuhiko	H04N1/00244	348/231.3
*	E	US-20030011684-A1	01-2003	NARAYANASWAMI, CHANDRASEKHAR	H04N5/772	348/207.99
*	F	US-20030048921-A1	03-2003	Cahill, Nathan D.	G06T1/0028	382/100
*	G	US-20040005078-A1	01-2004	Tillotson, Scott Andrew	H04N1/00307	382/100
*	H	US-20040085203-A1	05-2004	Junqua, Jean-Claude	G07B15/00	340/539.11
*	I	US-20110038594-A1	02-2011	Symons; Gary M.	G11B20/0021	386/224
*	J	US-20140049653-A1	02-2014	Leonard; Jon N.	H04N5/44	348/207.1
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC 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.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/543,293	Malone, Michael F.
	Examiner	**Art Unit**
	ISHRAT I SHERALI	2667

CPC - Searched*		
Symbol	**Date**	**Examiner**

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
382	100, 305	08/10/2021	IS

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
SEARCH EAST TEXT LIMITED, INVENTOR/ASSINGEE, IP.COM, GOOGLE	08/10/2021	IS
SEARCH EAST TEXT LIMITED FOLLOWING CPC CLASS/ SUBCLASS: G06T1/005 H04L9/0643 H04L9/302 H04L9/3239 H04L9/3249 H04L9/3221 H04L9/3271 H04L63/045 H04L9/08 H04L9/3263 H04L9/3218 H04N1/32101 H04N1/32272 H04N1/ 32277 H04L2209/6 H04N2201/0084 H04L2209/60 H04L2209/80 H04N2201/3205 H04N2201/3214 H04N2201/3215 H04N2201/ 3233 H04N2201/3235 H04N2201/3253 H04N2201/3274 H04N2201/3281 H04N2201/3283	08/10/2021	IS

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/543,293	Malone, Michael F.
	Examiner	**Art Unit**
	ISHRAT I SHERALI	2667

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
	SEARCH EAST INTERFERENCE TEXT LIMITED	08/10/2021	IS

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/543,293	Malone, Michael F.
	Examiner	**Art Unit**
	ISHRAT I SHERALI	2667

CPC						
Symbol					**Type**	**Version**
G06T	/	1	/	005	F	2013-01-01
H04N	/	1	/	32101	I	2013-01-01
H04N	/	1	/	32272	I	2013-01-01
H04N	/	1	/	32277	I	2013-01-01
H04L	/	9	/	3263	I	2013-01-01
H04L	/	9	/	3218	I	2013-01-01
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H04N	/	2201	/	3283	A	2013-01-01
H04L	/	2209	/	60	A	2013-01-01
H04L	/	2209	/	80	A	2013-01-01
H04N	/	2201	/	0084	A	2013-01-01
H04L	/	2209	/	608	A	2013-01-01

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	14	
/ISHRAT I SHERALI/ Primary Examiner, Art Unit 2667	10 August 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	4

U.S. Patent and Trademark Office — Part of Paper No.: 20210528

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/543,293	Malone, Michael F.
	Examiner	**Art Unit**
	ISHRAT I SHERALI	2667

CPC Combination Sets				
Symbol	**Type**	**Set**	**Ranking**	**Version**
/ /				

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	14	
/ISHRAT I SHERALI/ Primary Examiner, Art Unit 2667	10 August 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	4

U.S. Patent and Trademark Office — Part of Paper No.: 20210528

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/543,293	Malone, Michael F.
	Examiner	**Art Unit**
	ISHRAT I SHERALI	2667

INTERNATIONAL CLASSIFICATION					
CLAIMED					
G06T	/	1	/	00	

NON-CLAIMED					
	/		/		

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
382	100

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 14	
/ISHRAT I SHERALI/ Primary Examiner, Art Unit 2667 (Primary Examiner)	10 August 2021 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 4

U.S. Patent and Trademark Office — Part of Paper No.: 20210528

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/543,293	Malone, Michael F.
	Examiner	**Art Unit**
	ISHRAT I SHERALI	2667

☑ Claims renumbered in the same order as presented by applicant ☐ CPA ☑ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1	9	10												
1	2	10	11												
2	3	11	12												
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6	7														
7	8														
8	9														

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	14	
/ISHRAT I SHERALI/ Primary Examiner, Art Unit 2667	10 August 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	4

U.S. Patent and Trademark Office — Part of Paper No.: 20210528

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/543,293	Malone, Michael F.
	Examiner	**Art Unit**
	ISHRAT I SHERALI	2667

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

☑ Claims renumbered in the same order as presented by applicant ☐ CPA ☑ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	10/28/2020								
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14	15	=								

Bibliographic Data

Application No: 16/543,293

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: Examiner's Signature | Initials

Title: METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
08/16/2019	382	2667	MPOR60-34712
RULE			

APPLICANTS

MYPORT TECHNOLOGIES, INC., McKinney, TX,

INVENTORS

Michael F. Malone, McKinney, TX, UNITED STATES

CONTINUING DATA

This application is a CON of 15925988 03/20/2018 PAT 10387986

15925988 is a CON of 15450494 03/06/2017 PAT 9922391

15450494 is a CON of 14881696 10/13/2015 PAT 9589309

14881696 is a CON of 14175331 02/07/2014 PAT 9159113

14175331 is a CON of 13306732 11/29/2011 PAT 8687841

13306732 is a CON of 12857731 08/17/2010 PAT 8068638

12857731 is a CON of 11679533 02/27/2007 PAT 7778440

11679533 is a CON of 11325373 01/04/2006 PAT 7184573

11325373 is a CON of 10674910 09/29/2003 PAT 6996251

10674910 has PRO of 60414449 09/30/2002

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

07/13/2020

STATE OR COUNTRY

UNITED STATES

ADDRESS

MUNCK WILSON MANDALA L.L.P

P.O. Drawer 800889

DALLAS, TX 75380
UNITED STATES

FILING FEE RECEIVED

$5,020

Main Concept Text
==========

A cell phone is disclosed for acquiring information to be transmitted to a receiving facility and for transmitting such thereto. A capture device captures information from an external source. A processor is provided for associating with the captured information a representation of the date and time of the capture of the information, such that the representation of the date and time information in association with the captured information forms augmented captured information. The processor also places the augmented captured information in association with subscriber information in a transmission of the augmented captured information to a receiving facility requiring such subscriber information. A transmitter transmits the transmission including the augmented captured information and the subscriber information to the receiving facility. An encryptor encrypts the augmented captured information with a symmetrical encryption algorithm to provide encrypted augmented captured information in the transmission with the subscriber information.

(No Concept Modifiers)
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(No Filters)
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Options
=======
De-dup: None
Cut-off: None
Sort: Relevance

Content: Patent Publications (164)
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US Patents
US Designs
US Applications
EPO Patents
EPO Applications
China Patents
China Applications
Japan Patents
Japan Applications
Korea Patents
Korea Applications
WIPO Applications
Argentina Patents
Argentina Applications

Brazil Patents
Brazil Applications
Canada Patents
Canada Applications
Chile Patents
Chile Applications
Colombia Applications
Costa Rica Applications
Cuba Patents
Cuba Applications
Dominican Republic Applications
Ecuador Patents
Ecuador Applications
El Salvador Applications
Guatemala Applications
Honduras Applications
Mexico Patents
Mexico Applications
Nicaragua Patents
Panama Applications
Peru Applications
Trinidad & Tobago Patents
Uruguay Applications
Austria Patents
Austria Applications
Belarus Patents
Belgium Patents
Belgium Applications
Bosnia & Herzegovina Patents
Bosnia & Herzegovina Applications
Bulgaria Patents
Bulgaria Applications
Croatia Patents
Croatia Applications
Czech Republic Patents
Czech Republic Applications
Czechoslovakia Patents
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Denmark Patents
Denmark Applications
Estonia Patents
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EUIPO Patents
Finland Patents
Finland Applications
France Patents
France Applications
Germany Patents

Germany Applications
Great Britain Patents
Great Britain Applications
Greece Patents
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Hungary Patents
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Iceland Patents
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Italy Patents
Italy Applications
Latvia Patents
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Malta Patents
Monaco Patents
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Norway Patents
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San Marino Patents
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Serbia Patents
Serbia Applications
Slovakia Patents
Slovakia Applications
Slovenia Patents
Spain Patents
Spain Applications
Sweden Patents
Sweden Applications
Switzerland Patents
Switzerland Applications
Ukraine Patents

Yugoslavia/Serbia and Montenegro Patents
Yugoslavia/Serbia and Montenegro Applications
Armenia Patents
Australia Patents
Australia Applications
Cyprus Patents
Gulf Cooperation Council Patents
Hong Kong Patents
India Patents
India Applications
Indonesia Patents
Indonesia Applications
Israel Applications
Jordan Patents
Kyrgyzstan Patents
Macao Applications
Malaysia Patents
Mongolia Patents
New Zealand Patents
Philippines Patents
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Saudi Arabia Patents
Singapore Patents
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Thailand Applications
Uzbekistan Patents
Vietnam Patents
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ARIPO Applications
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South Africa Patents
Tunisia Applications
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Zimbabwe Patents
EAPO Patents
EAPO Applications
Georgia Patents
Georgia Applications

Kazakhstan Patents
Kazakhstan Applications
Russia Patents
Russia Applications
Turkey Patents
Turkey Applications

Web Search History

date, time	web site	search string
8/9/2021 8:03:17 PM	Google	google patents
8/9/2021 8:04:50 PM	Google Patents	Keyword Group 1 [(~patent/US20180003656A1)]
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8/9/2021 9:01:27 PM	Google Patents	Keyword Group 1 [information] Keyword Group 2 [file] Keyword Group 3 [encrypted] Keyword Group 4 [encryption] Keyword Group 5 [augmented] Before Priority Date: priority:20020930
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date, time	web site	search string
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EAST Search History

EAST Search History (Prior Art)

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EAST Search History (Interference)

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Main Concept Text
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A cell phone is disclosed for acquiring information to be transmitted to a receiving facility and for transmitting such thereto. A capture device captures information from an external source. A processor is provided for associating with the captured information a representation of the date and time of the capture of the information, such that the representation of the date and time information in association with the captured information forms augmented captured information. The processor also places the augmented captured information in association with subscriber information in a transmission of the augmented captured information to a receiving facility requiring such subscriber information. A transmitter transmits the transmission including the augmented captured information and the subscriber information to the receiving facility. An encryptor encrypts the augmented captured information with a symmetrical encryption algorithm to provide encrypted augmented captured information in the transmission with the subscriber information.

(No Concept Modifiers)
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(No Filters)
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Options
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De-dup: None
Cut-off: None
Sort: Relevance

Content: Non-Patent Literature (23)
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IEEE Xplore Publications: IEEE Periodicals
IEEE Xplore Publications: IEEE Conferences
IEEE Xplore Publications: IEEE Standards
IEEE Xplore Publications: IEEE Early Access
IEEE Xplore Publications: SMPTE Periodicals
IEEE Xplore Publications: SMPTE Conferences
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OnePetro.org: Periodicals at OnePetro.org
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Other Literature: arXiv.org

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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 16/543,293	Filing Date 08/16/2019	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $460 =	
☐ 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	05/10/2021	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 14	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0		x $480 =	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 ($)	ADDITIONAL FEE ($)
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	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/JASON B EADDY/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

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

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	MALONE, Michael
Serial No.:	16/543,293
Confirmation No.:	9008
Filed:	August 16, 2019
Group:	2667
Examiner:	SHERALI, Ishrat I.
For:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

AMENDMENT AND RESPONSE TO OFFICE ACTION

This communication is responsive to the Examiner's Office Action dated November 10, 2020. Reconsideration is respectfully requested.

Amendments to the Claims are reflected in the listing of claims beginning on page 2 of this paper.

Remarks/Arguments begin on page 8 of this paper.

PTO/AIA/22 (10-20)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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 FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): MPOR60-34712

Application Number	Filed
16/543,293	August 16, 2019

For: METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Art Unit	Examiner
2667	Ishrat I. SHERALI

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

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

		Fee	Small Entity Fee	Micro Entity Fee	
☐	One month (37 CFR 1.17(a)(1))	$220	$110	$55	$
☐	Two months (37 CFR 1.17(a)(2))	$640	$320	$160	$
☑	Three months (37 CFR 1.17(a)(3))	$1,480	$740	$370	$ 1,480.00
☐	Four months (37 CFR 1.17(a)(4))	$2,320	$1,160	$580	$
☐	Five months (37 CFR 1.17(a)(5))	$3,160	$1,580	$790	$

☐ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☑ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 50-0208.

☑ Payment made via EFS-Web.

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

I am the

☐ applicant.

☑ attorney or agent of record. Registration number 30646.

☐ attorney or agent acting under 37 CFR 1.34. Registration number _____.

/Gregory M. Howison, Reg. #30646/	May 10, 2021
Signature	Date
Gregory M. Howison	972-628-3600
Typed or printed name	Telephone Number

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

☑ * Total of ONE forms are submitted.

This collection of information is required by 37 CFR 1.136(a). 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 6 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: Mail Stop PCT, 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 Patent Application Fee Transmittal

Application Number:	16543293
Filing Date:	16-Aug-2019
Title of Invention:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
First Named Inventor/Applicant Name:	Michael F. Malone
Filer:	Gregory Michael Howison/Joselyn Rodriguez
Attorney Docket Number:	MPOR60-34712

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:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 3 months with $0 paid	1253	1	1480	1480
Miscellaneous:				
		Total in USD ($)		**1480**

Electronic Acknowledgement Receipt	
EFS ID:	42682073
Application Number:	16543293
International Application Number:	
Confirmation Number:	9008
Title of Invention:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
First Named Inventor/Applicant Name:	Michael F. Malone
Customer Number:	25883
Filer:	Gregory Michael Howison
Filer Authorized By:	
Attorney Docket Number:	MPOR60-34712
Receipt Date:	10-MAY-2021
Filing Date:	16-AUG-2019
Time Stamp:	16:38:25
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1480
RAM confirmation Number	E202150G39011362
Deposit Account	500208
Authorized User	Gregory Howison
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.17 (Patent application and reexamination processing fees) 37 CFR 1.21 (Miscellaneous fees and charges)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		MPO34712AMDTD.pdf	110656 541048e2cafe978e1b3ab00943895838 00da3e82	yes	9
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Applicant Arguments/Remarks Made in an Amendment		8	9	
	Claims		2	7	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
Warnings:					
Information:					
2	Extension of Time	MPO34712EOT.pdf	165929 4ed7a8edf618e17dbab812d1b98db064e28bdafe	no	2
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	31272 b6f9584b533192651f80d825b3e138ae089467d2	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	307857		

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.

REMARKS

Applicant has carefully reviewed the Office Action dated November 10, 2020. Applicant has amended Claims 2 and 15 to more clearly point out the present inventive concept. Reconsideration and favorable action is respectfully requested.

Claims 2-15 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-18 of U.S. Patent No. 6,996,251. A Terminal Disclaimer is submitted concurrently with this response with respect to U.S. Patent No. 6,996,251.

Applicant has now made an earnest attempt in order to place this case in condition for allowance. For the reasons stated above, Applicant respectfully requests full allowance of the claims as amended.

If any issues arise, or if the Examiner has any suggestions for expediting allowance of this Application, the Applicant respectfully invites the Examiner to contact the undersigned at the telephone number indicated below or at ghowison@munckwilson.com.

Recognizing that Internet communications are not secure, Applicant hereby authorizes the USPTO to communicate with the undersigned and practitioners in accordance with 37 CFR 1.33 and 37 CFR 1.34 concerning any subject matter of this application by video conferencing, instant messaging, or electronic mail. Applicant understands that a copy of these communications will be made of record in the application file.

Please charge any additional fees or deficiencies in fees or credit any overpayment to Deposit Account No. 50-0208/MPOR60-34712.

Respectfully submitted,
MUNCK WILSON MANDALA, LLP
Attorneys for Applicant

/Gregory M. Howison, Reg. #30,646/

Gregory M. Howison
Registration No. 30,646

GMH/als

P.O. Drawer 800889
Dallas, Texas 75380
Tel: 972-628-3600
Fax: 972-628-3616
May 10, 2021

In the Claims

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

1. (Canceled)

2. (Currently Amended) A method for interfacing with a device and acquiring information with the device from an environment external to the device to be transmitted to a receiving facility and for transmitting the acquired information thereto, comprising:

the device including a capture device and the capture device controlled to capture the information from the external environment where the information is selected from the group consisting of a video segment, a still image and an audio segment, each of which varies in real time in the external environment and relative to time in the external environment prior to capture by the capture device, and converting the information to converted information for storage in a storage area as captured information;

controlling a device processor to create a file comprised of a representation of the captured information associated with a representation of the date and time of the capture of the information as augmented captured information, wherein said representation of the date and time information in association with the captured information forms the file containing the augmented captured information;

controlling an encryptor on the device processor to encrypt the augmented captured information as an encrypted file containing encrypted augmented captured information,

controlling the device processor to initiate a signing operation for adding signature information to the file including the encrypted augmented captured information to provide an identifiable encrypted file, ~~which signature information is not part of the file containing the augmented captured information,~~ wherein the signature information provides information to the receiving facility that allows identification of the party claiming to have created the captured information for later identification of the party,

controlling the device processor to place the identifiable encrypted file including both the encrypted augmented captured information and the unencrypted signature information in association with subscriber information as a transmission file for transmission to a receiving facility requiring the subscriber information, the subscriber

information required at the receiving facility for a lookup operation to obtain additional information to allow further processing of the augmented captured information at the receiving facility;

controlling a transmitter on the device for transmitting said transmission file to said receiving facility in order to further process the augmented captured information at the receiving facility; and

receiving the transmission file and accepting the identifiable encrypted file after verification of the subscriber information.

3. (Previously Presented) The method of claim 2, wherein the step of controlling the device processor to create a file associates the captured information with a representation of location information representing the location of said capture device at the completion of the time of the capture of the information as augmented capture information.

4. (Previously Presented) The method of claim 2, wherein the processor includes a geographical position and time-of-day determination (GPS) receiver for providing such location information.

5. (Previously Presented) The method of claim 2, wherein the step of controlling the encryptor encrypts the augmented captured information with a symmetrical encryption algorithm in a first layer to provide the encrypted augmented captured information which is included in the transmission with the signature information and the subscriber information transmitted by the step of controlling the transmitter.

6. (Previously Presented) The method of claim 5, and wherein the step of controlling the encryptor further encrypts the first layer encrypted augmented captured information with a second layer of encryption utilizing an asymmetrical encryption algorithm to provide a two layer encrypted file, which two layered encrypted file has the signature information added thereto to provide the identifiable encrypted file.

7. (Previously Presented) The method of claim 6, wherein the asymmetrical encryption algorithm utilizes a public key for encryption and a private key is required for decryption.

8. (Previously Presented) The method of claim 6, wherein the step of controlling the encryptor further encrypts the identifiable encrypted file including the first and second layer encrypted augmented information with the added signature information with a third layer of encryption with an asymmetrical encryption algorithm to provide a three layer encrypted file that provides a combined encrypted file having encrypted therein the encrypted augmented information and the unencrypted signature information for transmission in said transmission with the subscriber information.

9. (Previously Presented) The method of claim 8, wherein the third layer asymmetrical encryption algorithm utilizes a public key of a third party.

10. (Previously Presented) A method for acquiring information with a device from an environment external to the device to be transmitted to a receiving facility and for transmitting the acquired information thereto, comprising:

the device including a capture device for capturing the information from the external environment where the information is selected from the group consisting of a video segment, a still image and an audio segment, each of which varies in real time in the external environment and relative to time in the external environment prior to capture, and converting the information to converted information for storage in a storage area as captured information;

associating with the captured information a representation of the date and time of the capture of the information, wherein said representation of the date and time information in association with the captured information forms a file containing the augmented captured information;

encrypting with an encryptor the augmented captured information with a bottom layer of encryption as a bottom layer encrypted file that provides a first level of encryption of the augmented captured information that is only accessible by a secret key of a party,

in a signing operation, adding signature information to the encrypted file at the bottom layer, wherein the signature information provides information to the receiving facility that allows identification of the party claiming to have created the bottom layer encrypted augmented captured information for later identification of the party,

encrypting with the encryptor the combined encrypted file containing the encrypted augmented captured information and previously unencrypted signature information with a top layer of encryption comprising a second level of encryption different from the first level of encryption as an identifiable encrypted file wherein at least the first level of encryption utilizes a symmetrical encryption algorithm different from the second level of encryption and not associated with the secret key of a party associated with the first level of encryption,

placing the identifiable encrypted file including both the bottom layer encrypted file at the first layer of encryption and the encrypted signature information at the second level of encryption in association with subscriber information as a transmission file for transmission of the identifiable encrypted file to a receiving facility requiring such subscriber information, the subscriber information not encrypted at either the first or second levels of encryption, which subscriber information is required at the receiving facility for a lookup operation to obtain additional information;

transmitting with a transmitter said augmented captured information formatted for transmission including the identifiable encrypted file and the subscriber information to said receiving facility; and

receiving at a receiving facility the transmission file and accepting the identifiable encrypted file after verification of the subscriber information.

11. (Previously Presented) The method of claim 10, and wherein the step of encrypting further encrypts the encrypted augmented captured information with a middle layer of encryption utilizing an asymmetrical encryption algorithm to provide a two layer encrypted file, which has the signature information added thereto after encryption to provide the identifiable encrypted file.

12. (Previously Presented) The method of claim 11, wherein the asymmetrical encryption algorithm utilizes a public key for encryption and a private key is required for decryption.

13. (Previously Presented) The method of claim 11, wherein top layer of encryption utilizes an asymmetrical encryption algorithm to provide a three layer encrypted file for transmission in said transmission with the subscriber information.

14. (Previously Presented) The method of claim 13, wherein the top layer asymmetrical encryption algorithm utilizes a public key of a third party.

15. (Currently Amended) A method for acquiring information with a device from an environment external to the device to be transmitted to a receiving facility and for transmitting the acquired information thereto, comprising:

the device including a capture device for capturing the information from the external environment where the information is selected from the group consisting of a video segment, a still image and an audio segment, each of which varies in real time in the external environment and relative to time in the external environment prior to capture by the capture device, and converting the information to converted information for storage in a storage area as captured information;

creating a file comprised of the captured information associated with a representation of the date and time of the capture of the information as augmented captured information, wherein said representation of the date and time information in association with the captured information forms the file containing the augmented captured information;

encrypting with an encryptor the augmented captured information as an encrypted file containing encrypted augmented captured information,

in a signing operation, adding signature information to the file including the encrypted augmented captured information to provide an identifiable encrypted file, ~~which signature information is not part of the file containing the augmented captured information,~~ wherein the signature information provides information to the receiving facility that allows identification of the party claiming to have created the captured information for later identification of the party,

placing the identifiable encrypted file including both the encrypted augmented captured information and the unencrypted signature information in a transmission file for transmission to a receiving facility;

transmitting with a transmitter said transmission file to said receiving facility in order to further process the augmented captured information at the receiving facility; and

receiving at the receiving facility the transmission file and accepting the identifiable encrypted file and identifying the encrypted file with the signature information for processing of the encrypted file without removing the encryption therefrom.

Doc Code: DIST.E.FILE **Document Description: Electronic Terminal Disclaimer - Filed**	PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce

Electronic Petition Request	**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT**
Application Number	16543293
Filing Date	16-Aug-2019
First Named Inventor	Michael Malone
Attorney Docket Number	MPOR60-34712
Title of Invention	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action

☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent Interest
MYPORT IP, INC.	100%

The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)

6996251

as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:
- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

◉ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.

○ I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.	
Applicant claims the following fee status: ○ Small Entity ○ Micro Entity ◉ Regular Undiscounted I hereby declare that all statements made herein of my own knowledge are true and that all statements made on 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.	
THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES I certify, in accordance with 37 CFR 1.4(d)(4) that I am: ◉ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application Registration Number 30646 ○ A sole inventor ○ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application ○ A joint inventor; all of whom are signing this request	
Signature	/Gregory M. Howison, Reg. #30646/
Name	Gregory M. Howison

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal

Application Number:	16543293
Filing Date:	16-Aug-2019
Title of Invention:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
First Named Inventor/Applicant Name:	Michael F. Malone
Filer:	Gregory Michael Howison
Attorney Docket Number:	MPOR60-34712

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	170	170
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**170**

Doc Code: DISQ.E.FILE
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 16543293

Filing Date: 16-Aug-2019

Applicant/Patent under Reexamination: Malone

Electronic Terminal Disclaimer filed on May 10, 2021

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt	
EFS ID:	42681941
Application Number:	16543293
International Application Number:	
Confirmation Number:	9008
Title of Invention:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
First Named Inventor/Applicant Name:	Michael F. Malone
Customer Number:	25883
Filer:	Gregory Michael Howison
Filer Authorized By:	
Attorney Docket Number:	MPOR60-34712
Receipt Date:	10-MAY-2021
Filing Date:	16-AUG-2019
Time Stamp:	16:34:16
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$170
RAM confirmation Number	E202150G34091227
Deposit Account	500208
Authorized User	Gregory Howison
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.17 (Patent application and reexamination processing fees) 37 CFR 1.21 (Miscellaneous fees and charges)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	33553 b47b0cfd4f166dcfa67927976b4f563db30bac15	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30542 3ec7bec431a2c9988ce2159e4fc5898c9fca2f3c	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	64095		

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.

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.
16/543,293	08/16/2019	Michael F. Malone	MPOR60-34712	9008

25883 7590 11/10/2020
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

EXAMINER	
SHERALI, ISHRAT I	

ART UNIT	PAPER NUMBER
2667	

NOTIFICATION DATE	DELIVERY MODE
11/10/2020	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):

IPdocketing@munckwilson.com
admin@dalpat.com
eofficeaction@appcoll.com

Office Action Summary	**Application No.** 16/543,293	**Applicant(s)** Malone, Michael F.	
	Examiner ISHRAT I SHERALI	**Art Unit** 2667	**AIA (FITF) Status** No

-- 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 _____.

☐ 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) 1-15 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) 1-15 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 _____ 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: _____.

Notice of Pre-AIA or AIA Status

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

Double Patenting

2. The no statutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper time wise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A no statutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file

provisions of the AIA as explained in MPEP § 2159. See MPEP §§ 706.02(l)(1) - 706.02(l)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp.

3. Claim 2-15 are rejected on the ground of non-statutory obviousness-type double patenting as being unpatentable over claim 1-18 of the U.S. Patent No. 6,996,251. Although the conflicting claims are not identical, however they are not patentably distinct from each other because they claim the same subject matter because independent claims 2, 10 and 15 of the instant application include limitations recited in independent claim 12 of U.S. Patent No. 6,996,251. Furthermore independent claims 2, 10 and 15 are obvious in view of independent claim 12 of the U.S. Patent No. 6,996,251.

Regarding claims 2, 10 and 15 of the instant application, claim 12 of US Patent No. 6,996, 251 discloses:

interfacing with a device and acquiring information with the device from an environment external to the device to be transmitted to a receiving facility and

for transmitting the acquired information thereto (US Patent No. 6,996, 251, claim 12, lines 1-3), comprising:

the device including a capture device and the capture device controlled to capture the information from the external environment where the information is selected from the group consisting of a video segment, a still image and an audio segment, each of which varies in real time in the external environment and relative to time in the external environment prior to capture by the capture device, and converting the information to converted information for storage in a storage area as captured information (US Patent No. 6,996, 251, claim 12, lines 1

-3);

controlling a device processor to create a file comprised of the captured information associated with a representation of the date and time of the capture of the information as augmented captured information, wherein said representation of the date and time information in association with the captured information forms the file containing the augmented captured information (US Patent No. 6,996, 251, claim 12, lines 5-10);

controlling an encryptor on the device processor to encrypt the augmented captured information as an encrypted file containing encrypted augmented captured information (US Patent No. 6,996, 251, claim 12, lines 17-18),

controlling the device processor to initiate a signing operation for adding signature information to the file including the encrypted augmented captured information to provide an identifiable encrypted file, which signature information is not part of the file containing the augmented captured information, wherein the signature information

provides information to the receiving facility that allows identification of the party claiming to have created the captured information for later identification of the party (US Patent No. 6,996, 251, claim 12, lines 12-16 and lines 17-27),

controlling the device processor to place the identifiable encrypted file including both the encrypted augmented captured information and the unencrypted signature information in association with subscriber information as a transmission file for transmission to a receiving facility requiring the subscriber information, the subscriber information required at the receiving facility for a lookup operation to obtain additional information to allow further processing of the augmented captured information at the receiving facility (US Patent No. 6,996, 251, claim 12, lines 17-27);

controlling a transmitter on the device for transmitting said transmission file to receiving facility in order to further process the augmented captured information at the receiving facility (US Patent No. 6,996, 251, claim 12, lines 27-30); and

receiving the transmission file and accepting the identifiable encrypted file after verification of the subscriber information (US Patent No. 6,996, 251, claim 12, lines 31-34).

Similarly dependent claims 3-9 and 11-14 are obvious in view of claims 1-18 of the US Patent No. 6,996, 251).

Communication

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ISHRAT I SHERALI whose telephone number is

(571)272-7398. The examiner can normally be reached on Monday-Friday 8:00AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on 571-272-7778. 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.

ISHRAT I. SHERALI

Examiner

Art Unit 2667

/ISHRAT I SHERALI/

Primary Examiner, Art Unit 2624

October 28, 2020

Notice of References Cited	Application/Control No. 16/543,293	Applicant(s)/Patent Under Reexamination Malone, Michael F.	
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Class	Subclass	Date	Examiner
382	100, 305	10/28/2020	IS

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

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✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
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CLAIMS

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
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EAST Search History

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L53	126	(captur$3 or record$3 or camera) near2 (image or video or audio or speech or voice) same (bound$3 or mark$3 or plac$3 or combin$3) with ((time with date with locat$3) or gps) and (transmit$6 or send$3) with (database or library) same (verif$8 or authenticat$3)	US-PGPUB; USPAT	OR	ON	2020/11/05 20:38
L54	216	(captur$3 or record$3 or camera) near2 (image or video or audio or speech or voice) same (bound$3 or mark$3 or plac$3 or combin$3) with ((time with date with locat$3) or gps) and (transmit$6 or send$3) with (database or library or storage) same (verif$8 or authenticat$3)	US-PGPUB; USPAT	OR	ON	2020/11/05 20:40
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		and (water adj2 mark$3 or watermark$3 or encrypt$3)				
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L58	56	56 and (G06T1/005 or H04L9/0643 or H04L9/302 or H04L9/3239 or H04L9/3249 or H04L9/3221 or H04L9/3271 or H04L63/045 or H04L9/08 or H04L9/3263 or H04L9/3218 or H04N1/32101 or H04N1/32272 or H04N1/32277 or H04L2209/608 or H04N2201/0084 or H04L2209/60 or H04L2209/80 or H04N2201/3205 or H04N2201/3214 or H04N2201/3215 or H04N2201/3233 or H04N2201/3235 or H04N2201/3253 or H04N2201/3274 or H04N2201/3281 or H04N2201/3283).cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2020/11/05 20:48
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L61	0	(captur$3 or record$3 or camera) near2 (image or video or audio or speech or voice) same (bound$3 or mark$3 or plac$3 or combin$3) with ((time with date with locat$3) or gps) and (transmit$6 or	EPO; JPO; IBM_TDB	OR	ON	2020/11/05 20:52

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EAST Search History (Interference)

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EAST Search History (Interference)

<This search history is empty>

11/5/2020 8:15:00 PM
C:\Users\isherali\Documents\EAST\Workspaces\xyx.wsp

Bibliographic Data

Application No: 16/543,293

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: _____ (Examiner's Signature) _____ (Initials)

Title: METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
08/16/2019	382	2667	MPOR60-34712
RULE			

APPLICANTS

MYPORT TECHNOLOGIES, INC., McKinney, TX,

INVENTORS

Michael F. Malone, McKinney, TX, UNITED STATES

CONTINUING DATA

This application is a CON of 15925988 03/20/2018 PAT 10387986

15925988 is a CON of 15450494 03/06/2017 PAT 9922391

15450494 is a CON of 14881696 10/13/2015 PAT 9589309

14881696 is a CON of 14175331 02/07/2014 PAT 9159113

14175331 is a CON of 13306732 11/29/2011 PAT 8687841

13306732 is a CON of 12857731 08/17/2010 PAT 8068638

12857731 is a CON of 11679533 02/27/2007 PAT 7778440

11679533 is a CON of 11325373 01/04/2006 PAT 7184573

11325373 is a CON of 10674910 09/29/2003 PAT 6996251

10674910 has PRO of 60414449 09/30/2002

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

07/13/2020

STATE OR COUNTRY

UNITED STATES

ADDRESS

MUNCK WILSON MANDALA L.L.P

P.O. Drawer 800889

DALLAS, TX 75380
UNITED STATES

FILING FEE RECEIVED

$5,020

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United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
16/543,293	08/16/2019	2664	1880	MPOR60-34712	14	3

CONFIRMATION NO. 9008

CORRECTED FILING RECEIPT

25883
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

OC000000118433330

Date Mailed: 07/14/2020

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

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Michael F. Malone, McKinney, TX;

Applicant(s)

MYPORT TECHNOLOGIES, INC., McKinney, TX;

Power of Attorney: The patent practitioners associated with Customer Number 25883

Domestic Priority data as claimed by applicant

This application is a CON of 15/925,988 03/20/2018 PAT 10387986
which is a CON of 15/450,494 03/06/2017 PAT 9922391
which is a CON of 14/881,696 10/13/2015 PAT 9589309
which is a CON of 14/175,331 02/07/2014 PAT 9159113
which is a CON of 13/306,732 11/29/2011 PAT 8687841
which is a CON of 12/857,731 08/17/2010 PAT 8068638
which is a CON of 11/679,533 02/27/2007 PAT 7778440
which is a CON of 11/325,373 01/04/2006 PAT 7184573
which is a CON of 10/674,910 09/29/2003 PAT 6996251
which claims benefit of 60/414,449 09/30/2002

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

If Required, Foreign Filing License Granted: 07/13/2020

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/543,293**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Title

METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Preliminary Class

382

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Michael	F.	Malone	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	McKinney	State/Province	TX	Country of Residence	US

Mailing Address of Inventor:

Address 1	2711 NORTHVIEW DRIVE
Address 2	

City	McKinney	State/Province	TX
Postal Code	75070	Country	US

~~**Inventor 2**~~ Remove

~~**Legal Name**~~

~~Prefix~~	~~Given Name~~	~~Middle Name~~	~~Family Name~~	~~Suffix~~
	~~Frederick~~	~~J.~~	~~Murphy~~	

~~**Residence Information (Select One)**~~ ◉ ~~US Residency~~ ○ ~~Non US Residency~~ ○ ~~Active US Military Service~~

~~City~~	~~FALMOUTH~~	~~State/Province~~	~~MA~~	~~Country of Residence~~	~~US~~

~~**Mailing Address of Inventor:**~~

~~Address 1~~	~~126 AMBLESIDE DRIVE~~
~~Address 2~~	

~~City~~	~~FALMOUTH~~	~~State/Province~~	~~MA~~
~~Postal Code~~	~~02540~~	~~Country~~	~~US~~

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

☐ **An Address is being provided for the correspondence Information of this application.**			
Customer Number	25883		
Email Address	IPDOCKETING@MUNCKWILSON.COM	Add Email	Remove Email

Application Information:

Title of the Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL		
Attorney Docket Number	MPOR60-34712	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		**Suggested Figure for Publication (if any)**	

Filing By Reference:

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

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

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

Publication Information:

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

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

Representative Information:

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

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	25883		

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Domestic Benefit/National Stage Information:

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

Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16/543,293	Continuation of	15/925988	2018-03-20	10387986	2019-08-20
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15/925988	Continuation of	15/450494	2017-03-06	9922391	2018-03-20
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15/450494	Continuation of	14/881696	2015-10-13	9589309	2017-03-07
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14/881696	Continuation of	14/175331	2014-02-07	9159113	2015-10-13
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14/175331	Continuation of	13/306732	2011-11-29	8687841	2014-04-01
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13/306732	Continuation of	12/857731	2010-08-17	8068638	2011-11-29
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12/857731	Continuation of	11/679533	2007-02-27	7778440	2010-08-07
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
11/679533	Continuation of	11/325373	2006-01-04	7184573	2007-02-27
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
11/325373	Continuation of	10/674910	2003-09-29	6996251	2006-02-07

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
10/674910	Claims benefit of provisional	60/414449	2002-09-30
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.			

Foreign Priority Information:

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

			Remove
Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.			

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

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

PTO/AIA/14 (02-18)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Authorization or Opt-Out of Authorization to Permit Access:

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

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

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

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

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

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

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

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

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

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

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

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Applicant Information:

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

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name: ~~MYPORT TECHNOLOGIES, INC.~~ MYPORT IP, INC.

Mailing Address Information For Applicant:

Address 1	2711 NORTHVIEW DRIVE		
Address 2			
City	McKinney	**State/Province**	TX
Country	US	Postal Code	75070
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

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

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Signature:

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

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

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

Signature	/Gregory M. Howison, Reg. #30646/			Date (YYYY-MM-DD)	~~2020-03-30~~ ~~2019-08-16~~ 2020-07-14
First Name	Gregory	Last Name	Howison	Registration Number	30,646

Additional Signature may be generated within this form by selecting the Add button.

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

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

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 the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3 A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent CooperationTreaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

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

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Doc Code: R46C.REQ
Document Description: Request under 37 CFR 1.46(c) to correct, update or change the applicant.

PTO/AIA/41 (04-15)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
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.

REQUEST TO CORRECT OR UPDATE THE NAME OF THE APPLICANT UNDER 37 CFR 1.46(c)(1), OR CHANGE THE APPLICANT UNDER 37 CFR 1.46(c)(2)
(FOR USE ONLY IN APPLICATIONS FILED ON OR AFTER SEPTEMBER 16, 2012)

Application Number	16/543,293
Filing Date	August 16, 2019
First Named Inventor	Michael F. MALONE
Art Unit	2664
Examiner Name	Nay Aung MAUNG
Practitioner Docket Number	MPOR60-34712

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicant hereby **requests that the name of the applicant be corrected or updated under 37 CFR 1.46(c)(1), or that the applicant be changed under 37 CFR 1.46(c)(2),** in the above-identified application. **Requests under 37 CFR 1.46(c)(1) or (c)(2) cannot be submitted after payment of the issue fee or if the application has been patented.**

Please check the applicable box(es) below.

☐ 1. This request is to **correct or update the name of the applicant** (**under 37 CFR 1.46(c)(1)**) and includes:

☐ An application data sheet (ADS) in accordance with 37 CFR 1.76(c) with the corrected or updated information shown with markings (*e.g.*, underlining for insertions, strikethrough for deletions). A Corrected Web-based ADS may be used.

Note: Requests under 37 CFR 1.46(c)(1) may be filed to correct typographical errors in the name of the § 1.46 applicant, or for updating the name of the § 1.46 applicant (*i.e.*, where there is no change in the applicant itself but just in the applicant's name). See the Manual of Patent Examining Procedure (MPEP) section 605.01.

■ 2. This request is to **change the applicant** (**under 37 CFR 1.46(c)(2)**) and includes:

■ An application data sheet (ADS) in accordance with 37 CFR 1.76(c) that identifies the changes with proper markings (underlining for insertions and strikethrough for deletions). A Corrected Web-based ADS may be used.

☐ A Statement Under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent). See MPEP 325.

I am the

☐ applicant* ■ attorney or agent of record Registration number 30646 ☐ attorney or agent acting under 37 CFR 1.34 Registration number _____

Signature /Gregory M. Howison, Reg. #30646/

Typed or printed name Gregory M. Howison

Date July 14, 2020

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. *Juristic entities must be represented by a patent practitioner (See 37 CFR 1.31, applicable to any paper filed on or after September 16, 2012 that is presented on behalf of a juristic entity, regardless of application filing date). Submit multiple forms if more than one signature is required, see below**.

■ ** Total of ONE forms are submitted.

This collection of information is required by 37 CFR 1.36. 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 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.

Electronic Acknowledgement Receipt

EFS ID:	39993403
Application Number:	16543293
International Application Number:	
Confirmation Number:	9008
Title of Invention:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
First Named Inventor/Applicant Name:	Michael F. Malone
Customer Number:	25883
Filer:	Gregory Michael Howison
Filer Authorized By:	
Attorney Docket Number:	MPOR60-34712
Receipt Date:	14-JUL-2020
Filing Date:	16-AUG-2019
Time Stamp:	14:30:31
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	Application Data Sheet	MPO34712CORRADS.pdf	152927 26788e7e297e743c7bc022500c2a9908e1eb024e	no	9

Warnings:

Information:					
This is not an USPTO supplied ADS fillable form					
2	Req to correct/update/change appl name until pay issue fee	MPO34712REQUESTCORRECTEDAPPLICANT.pdf	195053 92ee2def5d26189e64ff36f21f34cde706afa2c0	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	347980	

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.

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
16/543,293	08/16/2019	Michael F. Malone	MPOR60-34712

CONFIRMATION NO. 9008

25883
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

PUBLICATION NOTICE

OC000000118336503

Title:SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Publication No.US-2020-0219221-A1
Publication Date:07/09/2020

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently https://portal.uspto.gov/pair/PublicPair. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

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	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
16/543,293	08/16/2019	2667	1880	MPOR60-34712	14	3

CONFIRMATION NO. 9008

UPDATED FILING RECEIPT

25883
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

OC000000115892293

Date Mailed: 04/03/2020

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

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Michael F. Malone, McKinney, TX;

Applicant(s)

MYPORT TECHNOLOGIES, INC., McKinney, TX;

Power of Attorney: The patent practitioners associated with Customer Number 25883

Domestic Priority data as claimed by applicant

This application is a CON of 15/925,988 03/20/2018 PAT 10387986
which is a CON of 15/450,494 03/06/2017 PAT 9922391
which is a CON of 14/881,696 10/13/2015 PAT 9589309
which is a CON of 14/175,331 02/07/2014 PAT 9159113
which is a CON of 13/306,732 11/29/2011 PAT 8687841
which is a CON of 12/857,731 08/17/2010 PAT 8068638
which is a CON of 11/679,533 02/27/2007 PAT 7778440
which is a CON of 11/325,373 01/04/2006 PAT 7184573
which is a CON of 10/674,910 09/29/2003 PAT 6996251
which claims benefit of 60/414,449 09/30/2002

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

Projected Publication Date: 07/09/2020
Non-Publication Request: No
Early Publication Request: No
Title

SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Preliminary Class

382

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop

technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

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
16/543,293	08/16/2019	Michael F. Malone	MPOR60-34712

CONFIRMATION NO. 9008

25883
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

37 CFR 1.48(f)
ACKNOWLEDGEMENT LETTER

OC000000115892297

Date Mailed: 04/03/2020

NOTICE OF ACCEPTANCE OF REQUEST UNDER 37 CFR 1.48(f)

This is in response to the applicant's request under 37 CFR 1.48(f) submitted on 03/30/2020.

The request under 37 CFR 1.48(f) to correct the inventorship, to correct or update the name of an inventor, or to correct the order of names of joint inventors is accepted.

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**.

/dgela/

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
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
16/543,293	08/16/2019	2688	1880	MPOR60-34712	14	3

CONFIRMATION NO. 9008

UPDATED FILING RECEIPT

25883
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

OC000000115892192

Date Mailed: 04/03/2020

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

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Michael F. Malone, McKinney, TX;

Applicant(s)

MYPORT TECHNOLOGIES, INC., McKinney, TX;

Power of Attorney: The patent practitioners associated with Customer Number 25883

Domestic Priority data as claimed by applicant

This application is a CON of 15/925,988 03/20/2018 PAT 10387986
which is a CON of 15/450,494 03/06/2017 PAT 9922391
which is a CON of 14/881,696 10/13/2015 PAT 9589309
which is a CON of 14/175,331 02/07/2014 PAT 9159113
which is a CON of 13/306,732 11/29/2011 PAT 8687841
which is a CON of 12/857,731 08/17/2010 PAT 8068638
which is a CON of 11/679,533 02/27/2007 PAT 7778440
which is a CON of 11/325,373 01/04/2006 PAT 7184573
which is a CON of 10/674,910 09/29/2003 PAT 6996251
which claims benefit of 60/414,449 09/30/2002

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

Projected Publication Date: 07/09/2020
Non-Publication Request: No
Early Publication Request: No
Title

SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Preliminary Class

369

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

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technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 16/543,293

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	300
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	660
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	760
TOTAL CLAIMS (37 CFR 1.16(i))	14 minus 20 =	*			OR	x 100 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 460 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1720

APPLICATION AS AMENDED - PART II

AMENDMENT A

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

AMENDMENT B

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

Doc Code: R48.REQ
Document Description: Request under Rule 48 correcting inventorship

PTO/AIA/40 (04-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
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.

REQUEST FOR CORRECTION IN A PATENT APPLICATION RELATING TO INVENTORSHIP OR AN INVENTOR NAME, OR ORDER OF NAMES, OTHER THAN IN A REISSUE APPLICATION (37 CFR 1.48)

Application Number	16/543,293
Filing Date	August 16, 2019
First Named Inventor	Michael F. MALONE
Art Unit	2688
Examiner Name	Unassigned
Practitioner Docket Number	MPOR60-34712

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicant hereby **requests that the inventorship be corrected or changed, or that the name of the inventor or a joint inventor, or the order of the names of joint inventors, be changed,** in the above-identified application. **Note**: 37 CFR 1.48 applies to any request to correct inventorship filed on or after September 16, 2012, regardless of the application filing date. **Do not submit this form after payment of the issue fee or if the application has been patented.** See 37 CFR 1.324 for correction of inventorship in a patent.

Please check the applicable box(es) below.

For a nonprovisional application:

☒ 1. This request is to correct or change the inventorship in a **nonprovisional** application (**under 37 CFR 1.48(a)**) and includes:

☒ An application data sheet (ADS) in accordance with 37 CFR 1.76(c) with the corrected or updated information shown with markings (*e.g.*, underlining for insertions, strikethrough for deletions). See the Manual of Patent Examining Procedure (MPEP) section 601.05(a) for information about filing an ADS in an application filed on/after September 16, 2012. For information about filing a Supplemental ADS in an application filed before September 16, 2012, see MPEP 601.05(b).

☒ The processing fee set forth in 37 CFR 1.17(i). $ 140.00

☐ An inventor is being added. An inventor's oath or declaration by any actual inventor who has not yet executed an oath or declaration is required (see 37 CFR 1.48(b)). See MPEP 602.01(a) for information about an inventor's oath or declaration for an application filed on/after September 16, 2012 (*e.g.*, form **PTO/AIA/01**). For information about an inventor's oath or declaration for an application filed before September 16, 2012 (*e.g.*, form **PTO/SB/01**), see MPEP 602.01(b).

☐ This request is being filed after the first Office action on the merits has been given or mailed (see 37 CFR 1.48(c) and 1.17(d)). Check one of the following:

☐ This request to correct or change the inventorship is due solely to the cancellation of claims in the application.

OR

☐ The fee set forth in 37 CFR 1.17(d) is due (in addition to the fee set forth in 37 CFR 1.17(i)). $ _____

This collection of information is required by 37 CFR 1.48. 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 1 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

if you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/AIA/40 (04-18)
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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
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REQUEST FOR CORRECTION IN A PATENT APPLICATION RELATING TO INVENTORSHIP OR AN INVENTOR NAME, OR ORDER OF NAMES, OTHER THAN IN A REISSUE APPLICATION (37 CFR 1.48)

☐ 2. This request is to correct or update the name of the inventor or a joint inventor, or the order of names of joint inventors, in a **nonprovisional** application (**under 37 CFR 1.48(f)**) and includes:

☐ An application data sheet in accordance with 37 CFR 1.76(c) identifying the complete inventive entity, including the corrected or updated name of the inventor, or the new order of names shown with markings (*e.g.*, underlining for insertions, strikethrough for deletions). See the MPEP 601.05(a) for information about filing an ADS in an application filed on/after September 16, 2012. For information about filing a Supplemental ADS in an application filed before September 16, 2012, see MPEP 601.05(b).

☐ The processing fee set forth in 37 CFR 1.17(i). $ _____

For a provisional application:

☐ This request is to change or correct the inventorship, or correct or update the name of the inventor or a joint inventor, in a **provisional** application (**under 37 CFR 1.48(d)**) and includes:

☐ **Attached hereto** is a document that is signed by a party set forth in 37 CFR 1.33(b) and identifies each inventor by his or her legal name, in the preferred order. Note: the document may be an application data sheet in accordance with 37 CFR 1.76(c) that identifies the changes with markings (underlining for insertions, strikethrough for deletions).

☐ The processing fee set forth in 37 CFR 1.17(q). $ _____

Fee Payment Information:

☐ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 50-0208.

☒ Payment made via EFS-Web.

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

I am the

☐ Applicant*

☒ attorney or agent of record
Registration number 30,646

☐ attorney or agent acting under 37 CFR 1.34
Registration number _____

Signature /Gregory M. Howison, Reg. #30646/

Typed or printed name Gregory M. Howison

Date March 30, 2020

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. *Juristic entities must be represented by a patent practitioner (See 37 CFR 1.31, applicable to any paper filed on or after September 16, 2012 that is presented on behalf of a juristic entity, regardless of application filing date). Submit multiple forms if more than one signature is required, see below**.

☒ ** Total of ONE forms are submitted.

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.

In the Claims

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

1. (Canceled)

2. (New) A method for interfacing with a device and acquiring information with the device from an environment external to the device to be transmitted to a receiving facility and for transmitting the acquired information thereto, comprising:

the device including a capture device and the capture device controlled to capture the information from the external environment where the information is selected from the group consisting of a video segment, a still image and an audio segment, each of which varies in real time in the external environment and relative to time in the external environment prior to capture by the capture device, and converting the information to converted information for storage in a storage area as captured information;

controlling a device processor to create a file comprised of the captured information associated with a representation of the date and time of the capture of the information as augmented captured information, wherein said representation of the date and time information in association with the captured information forms the file containing the augmented captured information;

controlling an encryptor on the device processor to encrypt the augmented captured information as an encrypted file containing encrypted augmented captured information,

controlling the device processor to initiate a signing operation for adding signature information to the file including the encrypted augmented captured information to provide an identifiable encrypted file, which signature information is not part of the file containing the augmented captured information, wherein the signature information provides information to the receiving facility that allows identification of the party claiming to have created the captured information for later identification of the party,

controlling the device processor to place the identifiable encrypted file including both the encrypted augmented captured information and the unencrypted signature

information in association with subscriber information as a transmission file for transmission to a receiving facility requiring the subscriber information, the subscriber information required at the receiving facility for a lookup operation to obtain additional information to allow further processing of the augmented captured information at the receiving facility;

controlling a transmitter on the device for transmitting said transmission file to said receiving facility in order to further process the augmented captured information at the receiving facility; and

receiving the transmission file and accepting the identifiable encrypted file after verification of the subscriber information.

3. (New) The method of claim 2, wherein the step of controlling the device processor to create a file associates the captured information with a representation of location information representing the location of said capture device at the completion of the time of the capture of the information as augmented capture information.

4. (New) The method of claim 2, wherein the processor includes a geographical position and time-of-day determination (GPS) receiver for providing such location information.

5. (New) The method of claim 2, wherein the step of controlling the encryptor encrypts the augmented captured information with a symmetrical encryption algorithm in a first layer to provide the encrypted augmented captured information which is included in the transmission with the signature information and the subscriber information transmitted by the step of controlling the transmitter.

6. (New) The method of claim 5, and wherein the step of controlling the encryptor further encrypts the first layer encrypted augmented captured information with a second layer of encryption utilizing an asymmetrical encryption algorithm to provide a two layer encrypted file, which two layered encrypted file has the signature information added thereto to provide the identifiable encrypted file.

7. (New) The method of claim 6, wherein the asymmetrical encryption algorithm utilizes a public key for encryption and a private key is required for decryption.

8. (New) The method of claim 6, wherein the step of controlling the encryptor further encrypts the identifiable encrypted file including the first and second layer encrypted augmented information with the added signature information with a third layer of encryption with an asymmetrical encryption algorithm to provide a three layer encrypted file that provides a combined encrypted file having encrypted therein the encrypted augmented information and the unencrypted signature information for transmission in said transmission with the subscriber information.

9. (New) The method of claim 8, wherein the third layer asymmetrical encryption algorithm utilizes a public key of a third party.

10. (New) A method for acquiring information with a device from an environment external to the device to be transmitted to a receiving facility and for transmitting the acquired information thereto, comprising:

the device including a capture device for capturing the information from the external environment where the information is selected from the group consisting of a video segment, a still image and an audio segment, each of which varies in real time in the external environment and relative to time in the external environment prior to capture, and converting the information to converted information for storage in a storage area as captured information;

associating with the captured information a representation of the date and time of the capture of the information, wherein said representation of the date and time information in association with the captured information forms a file containing the augmented captured information;

encrypting with an encryptor the augmented captured information with a bottom layer of encryption as a bottom layer encrypted file that provides a first level of encryption of the augmented captured information that is only accessible by a secret key of a party,

in a signing operation, adding signature information to the encrypted file at the bottom layer, wherein the signature information provides information to the receiving

facility that allows identification of the party claiming to have created the bottom layer encrypted augmented captured information for later identification of the party,

encrypting with the encryptor the combined encrypted file containing the encrypted augmented captured information and previously unencrypted signature information with a top layer of encryption comprising a second level of encryption different from the first level of encryption as an identifiable encrypted file wherein at least the first level of encryption utilizes a symmetrical encryption algorithm different from the second level of encryption and not associated with the secret key of a party associated with the first level of encryption,

placing the identifiable encrypted file including both the bottom layer encrypted file at the first layer of encryption and the encrypted signature information at the second level of encryption in association with subscriber information as a transmission file for transmission of the identifiable encrypted file to a receiving facility requiring such subscriber information, the subscriber information not encrypted at either the first or second levels of encryption, which subscriber information is required at the receiving facility for a lookup operation to obtain additional information;

transmitting with a transmitter said augmented captured information formatted for transmission including the identifiable encrypted file and the subscriber information to said receiving facility; and

receiving at a receiving facility the transmission file and accepting the identifiable encrypted file after verification of the subscriber information.

11. (New) The method of claim 10, and wherein the step of encrypting further encrypts the encrypted augmented captured information with a middle layer of encryption utilizing an asymmetrical encryption algorithm to provide a two layer encrypted file, which has the signature information added thereto after encryption to provide the identifiable encrypted file.

12. (New) The method of claim 11, wherein the asymmetrical encryption algorithm utilizes a public key for encryption and a private key is required for decryption.

13. (New) The method of claim 11, wherein top layer of encryption utilizes an asymmetrical encryption algorithm to provide a three layer encrypted file for transmission in said transmission with the subscriber information.

14. (New) The method of claim 13, wherein the top layer asymmetrical encryption algorithm utilizes a public key of a third party.

15. (New) A method for acquiring information with a device from an environment external to the device to be transmitted to a receiving facility and for transmitting the acquired information thereto, comprising:

the device including a capture device for capturing the information from the external environment where the information is selected from the group consisting of a video segment, a still image and an audio segment, each of which varies in real time in the external environment and relative to time in the external environment prior to capture by the capture device, and converting the information to converted information for storage in a storage area as captured information;

creating a file comprised of the captured information associated with a representation of the date and time of the capture of the information as augmented captured information, wherein said representation of the date and time information in association with the captured information forms the file containing the augmented captured information;

encrypting with an encryptor the augmented captured information as an encrypted file containing encrypted augmented captured information,

in a signing operation, adding signature information to the file including the encrypted augmented captured information to provide an identifiable encrypted file, which signature information is not part of the file containing the augmented captured information, wherein the signature information provides information to the receiving facility that allows identification of the party claiming to have created the captured information for later identification of the party,

placing the identifiable encrypted file including both the encrypted augmented captured information and the unencrypted signature information in a transmission file for transmission to a receiving facility;

transmitting with a transmitter said transmission file to said receiving facility in order to further process the augmented captured information at the receiving facility; and

receiving at the receiving facility the transmission file and accepting the identifiable encrypted file and identifying the encrypted file with the signature information for processing of the encrypted file without removing the encryption therefrom.

REMARKS

The amendment to the specification is to correct typographical errors and no new matter is introduced into the application.

Claim 1 has been canceled and new claims 2-15 have been added.

Recognizing that Internet communications are not secure, Applicant hereby authorizes the USPTO to communicate with the undersigned and practitioners in accordance with 37 CFR 1.33 and 37 CFR 1.34 concerning any subject matter of this application by video conferencing, instant messaging, or electronic mail. Applicant understands that a copy of these communications will be made of record in the application file.

Please charge any additional fees or deficiencies in fees or credit any overpayment to Deposit Account No. 50-0208/MPOR60-34712.

Respectfully submitted,
MUNCK WILSON MANDALA, LLP
Attorneys for Applicant(s)

/Gregory M. Howison, Reg. #30,646/

Gregory M. Howison
Registration No. 30,646

GMH/jsr
P.O. Drawer 800889
Dallas, Texas 75380
Tel: 972-628-3600
Fax: 972-628-3616
March 30, 2020

Electronic Patent Application Fee Transmittal

Application Number:	16543293
Filing Date:	16-Aug-2019
Title of Invention:	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
First Named Inventor/Applicant Name:	Michael F. Malone
Filer:	Gregory Michael Howison/Joselyn Rodriguez
Attorney Docket Number:	MPOR60-34712

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY APPLICATION FILING	1011	1	300	300
UTILITY SEARCH FEE	1111	1	660	660
UTILITY EXAMINATION FEE	1311	1	760	760
Pages:				
Claims:				
Miscellaneous-Filing:				
LATE FILING FEE FOR OATH OR DECLARATION	1051	1	160	160
PROCESSING FEE, EXCEPT PROV. APPLS.	1830	1	140	140

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 5 months with $0 paid	1255	1	3000	3000
Miscellaneous:				
		Total in USD ($)		**5020**

Electronic Acknowledgement Receipt	
EFS ID:	39002534
Application Number:	16543293
International Application Number:	
Confirmation Number:	9008
Title of Invention:	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
First Named Inventor/Applicant Name:	Michael F. Malone
Customer Number:	25883
Filer:	Gregory Michael Howison
Filer Authorized By:	
Attorney Docket Number:	MPOR60-34712
Receipt Date:	30-MAR-2020
Filing Date:	16-AUG-2019
Time Stamp:	19:08:46
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$5020
RAM confirmation Number	E20203TJ12088212
Deposit Account	500208
Authorized User	Gregory Howison
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	MPO34712CorrectedADS.pdf	104250 6ef2ed4ce6fe28914abb973a8ff335218acfa6f3	no	9
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
2	Extension of Time	MPO34712EOT.pdf	140937 7166e8f0217c017a867263544633563b7360e22d	no	2
Warnings:					
Information:					
3	Transmittal Letter	MPO34712MISSINGPARTSSubmission.pdf	77902 fc8fb43fe0955d084f2742bc087e611b70a4c40f	no	1
Warnings:					
Information:					
4	Request under Rule 48 correcting inventorship	MPO34712RequestCorrectInventorship.pdf	208385 1103c2e25a41885a9c74ac185ec6d813d3a288b2	no	3
Warnings:					
Information:					
5		MPO34712PAM.pdf	110666 d7f1dedb995d1e47d75ef26f5a75b2ee0fa5ac26	yes	9

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Preliminary Amendment	1	2
	Claims	3	8

	Applicant Arguments/Remarks Made in an Amendment		9	9	
Warnings:					
Information:					
6	Fee Worksheet (SB06)	fee-info.pdf	40592 5b4300f7fde09d7197b7213b9ded78c02fc31e98	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	682732		

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.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Michael	F.	Malone	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	McKinney	State/Province	TX	Country of Residence	US

Mailing Address of Inventor:

Address 1	2711 NORTHVIEW DRIVE		
Address 2			
City	McKinney	State/Province	TX
Postal Code	75070	Country	US

~~**Inventor 2**~~ ~~Remove~~

~~**Legal Name**~~

~~Prefix~~	~~Given Name~~	~~Middle Name~~	~~Family Name~~	~~Suffix~~
	~~Frederick~~	~~J.~~	~~Murphy~~	

~~**Residence Information (Select One)**~~ ◉ ~~US Residency~~ ○ ~~Non US Residency~~ ○ ~~Active US Military Service~~

~~City~~	~~FALMOUTH~~	~~State/Province~~	~~MA~~	~~Country of Residence~~	~~US~~

~~**Mailing Address of Inventor:**~~

~~Address 1~~	~~126 AMBLESIDE DRIVE~~		
~~Address 2~~			
~~City~~	~~FALMOUTH~~	~~State/Province~~	~~MA~~
~~Postal Code~~	~~02540~~	~~Country~~	~~US~~

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	25883		
Email Address	IPDOCKETING@MUNCKWILSON.COM	Add Email	Remove Email

Application Information:

Title of the Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL		
Attorney Docket Number	MPOR60-34712	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		**Suggested Figure for Publication (if any)**	

Filing By Reference:

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

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

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

Publication Information:

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

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

Representative Information:

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

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	25883		

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Domestic Benefit/National Stage Information:

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

Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16/543,293	Continuation of	15/925988	2018-03-20	10387986	2019-08-20
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15/925988	Continuation of	15/450494	2017-03-06	9922391	2018-03-20
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15/450494	Continuation of	14/881696	2015-10-13	9589309	2017-03-07
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14/881696	Continuation of	14/175331	2014-02-07	9159113	2015-10-13
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14/175331	Continuation of	13/306732	2011-11-29	8687841	2014-04-01
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13/306732	Continuation of	12/857731	2010-08-17	8068638	2011-11-29
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12/857731	Continuation of	11/679533	2007-02-27	7778440	2010-08-07
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
11/679533	Continuation of	11/325373	2006-01-04	7184573	2007-02-27
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
11/325373	Continuation of	10/674910	2003-09-29	6996251	2006-02-07

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
10/674910	Claims benefit of provisional	60/414449	2002-09-30
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.			

Foreign Priority Information:

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

			Remove
Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.			

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

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Authorization or Opt-Out of Authorization to Permit Access:

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

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

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

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

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

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

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

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

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

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

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

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Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Applicant Information:

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

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	MYPORT TECHNOLOGIES, INC.

Mailing Address Information For Applicant:

Address 1	2711 NORTHVIEW DRIVE		
Address 2			
City	McKinney	**State/Province**	TX
Country	US	Postal Code	75070
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	16/543,293
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Signature:

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

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

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

Signature	/Gregory M. Howison, Reg. #30646/			Date (YYYY-MM-DD)	2020-03-30 ~~2019-08-16~~
First Name	Gregory	Last Name	Howison	Registration Number	30,646

Additional Signature may be generated within this form by selecting the Add button.

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	
Title of Invention	~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

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

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 the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3 A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent CooperationTreaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

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

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/AIA/22 (03-13)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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 FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): MPOR60-34712

Application Number: 16/543,293

Filed: August 16, 2019

For: METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Art Unit: 2688

Examiner: Unassigned

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

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

		Fee	Small Entity Fee	Micro Entity Fee	
☐	One month (37 CFR 1.17(a)(1))	$200	$100	$50	$
☐	Two months (37 CFR 1.17(a)(2))	$600	$300	$150	$
☐	Three months (37 CFR 1.17(a)(3))	$1,400	$700	$350	$
☐	Four months (37 CFR 1.17(a)(4))	$2,200	$1,100	$550	$
☑	Five months (37 CFR 1.17(a)(5))	$3,000	$1,500	$750	$ 3,000.00

☐ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☑ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 50-0208.

☑ Payment made via EFS-Web.

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

I am the

☐ applicant.

☑ attorney or agent of record. Registration number 30,646.

☐ attorney or agent acting under 37 CFR 1.34. Registration number _____.

/Gregory M. Howison, Reg. #30646/ — Signature

March 30, 2020 — Date

Gregory M. Howison — Typed or printed name

972-628-3600 — Telephone Number

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

☑ * Total of ONE forms are submitted.

This collection of information is required by 37 CFR 1.136(a). 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 6 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: Mail Stop PCT, 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	MALONE, Michael F.
Serial No.:	16/543,293
Confirmation No.:	9008
Filed:	August 16, 2019
Group:	2688
Examiner:	To be assigned
For:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL (as amended)

Mail Stop: Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

RESPONSE TO MISSING PARTS NOTICE

In response to the Notice of Missing Parts dated August 28, 2019, the Applicant submits fees in the amount of $1880.00 to cover the required fees.

Additionally, Applicant submits a Request to Correct Inventorship. The Request to Correct Inventorship removes Frederick J. Murphy as an Inventor. A Corrected Application Data Sheet reflecting this change is submitted concurrently.

Please charge any additional fees or deficiencies in fees or credit any overpayment to Deposit Account No. 50-0208/MPOR60-34712.

Respectfully submitted,
MUNCK WILSON MANDALA, L.L.P.
Attorneys for Applicant(s)

/Gregory M. Howison, Reg. #30646/

Gregory M. Howison
Registration No. 30,646

GMH/jsr
P.O. Drawer 800889
Dallas, Texas 75380
Tel: 972-628-3600
Fax: 972-628-3616
March 30, 2020

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Michael F. MALONE
Serial No.:	16/543,293
Confirmation No.:	9008
Filed:	August 16, 2019
Group:	2688
Examiner:	To be Assigned
For:	METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL (as amended)

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

PRELIMINARY AMENDMENT

Prior to the initial review, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims begin on page 3 of this paper.

Remarks begin on page 9 of this paper.

In the Specification

In accordance with 37 C.F.R. § 1.125, Applicant submits herewith a Substitute Specification. The Substitute Specification includes no new matter.

Please amend the title as following:

~~SYSTEM~~ METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

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
16/543,293	08/16/2019	Michael F. Malone	MPOR60-34712

CONFIRMATION NO. 9008

25883
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

FORMALITIES LETTER

OC000000110700491

Date Mailed: 08/28/2019

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
- The application search fee must be submitted.
- The application examination fee must be submitted.
- Surcharge as set forth in 37 CFR 1.16(f) must be submitted.
  The surcharge is due for any one of:
  - late submission of the basic filing fee, search fee, or examination fee,
  - late submission of inventor's oath or declaration,
  - filing an application that does not contain at least one claim on filing, or
  - submission of an application filed by reference to a previously filed application.

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. No entity status discount is in effect. If applicant is qualified for small entity status, a written assertion of small entity status must be submitted to establish small entity status. (See 37 CFR 1.27). If applicant is qualified for micro entity status, an acceptable Certification of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- $ **300** basic filing fee.
- $ **160** surcharge.
- $ **660** search fee.
- $ **760** examination fee.
- $(**0**) previous unapplied payment amount.
- $ **1880** TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  Frederick J. Murphy

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice". https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

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**.

/mabebe/

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 16/543,293

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	300
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	660
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	760
TOTAL CLAIMS (37 CFR 1.16(i))	1 minus 20 =	*			OR	x 100 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*				x 460 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1720

APPLICATION AS AMENDED - PART II

AMENDMENT A

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

AMENDMENT B

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

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	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
16/543,293	08/16/2019	2688	0.00	MPOR60-34712	1	1

CONFIRMATION NO. 9008

25883
MUNCK WILSON MANDALA L.L.P
P.O. Drawer 800889
DALLAS, TX 75380

FILING RECEIPT

OC000000110700490

Date Mailed: 08/28/2019

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

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Michael F. Malone, McKinney, TX;
Frederick J. Murphy, FALMOUTH, MA;

Applicant(s)

MYPORT TECHNOLOGIES, INC., McKinney, TX;

Power of Attorney: The patent practitioners associated with Customer Number 25883

Domestic Priority data as claimed by applicant

This application is a CON of 15/925,988 03/20/2018 PAT 10387986
which is a CON of 15/450,494 03/06/2017 PAT 9922391
which is a CON of 14/881,696 10/13/2015 PAT 9589309
which is a CON of 14/175,331 02/07/2014 PAT 9159113
which is a CON of 13/306,732 11/29/2011 PAT 8687841
which is a CON of 12/857,731 08/17/2010 PAT 8068638
which is a CON of 11/679,533 02/27/2007 PAT 7778440
which is a CON of 11/325,373 01/04/2006 PAT 7184573
which is a CON of 10/674,910 09/29/2003 PAT 6996251
which claims benefit of 60/414,449 09/30/2002

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

If Required, Foreign Filing License Granted: 08/27/2019
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/543,293**
Projected Publication Date: To Be Determined - pending completion of Missing Parts
Non-Publication Request: No
Early Publication Request: No
Title

SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Preliminary Class

369

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

Doc Code: PA..
Document Description: Power of Attorney

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NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	
Filing Date	
First Named Inventor	MALONE, Michael F.
Title	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
Art Unit	
Examiner Name	
Attorney Docket Number	MPOR60-34712

SIGNATURE of Applicant or Patent Practitioner

Signature	/Gregory M. Howison, Reg. #30646/	Date (Optional)	
Name	Gregory M. Howison	Registration Number	30646
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ *Total of ONE forms are submitted.

This collection of information is required by 37 CFR 1.131, 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: PA..
Document Description: Power of Attorney

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POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 25883

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☑ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

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

MyPort Technologies, Inc.

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☑ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

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

Signature		Date (Optional)	1-9-14
Name	MICHAEL E MALONE		
Title	CEO		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ Total of 1 forms are submitted.

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FIG 1

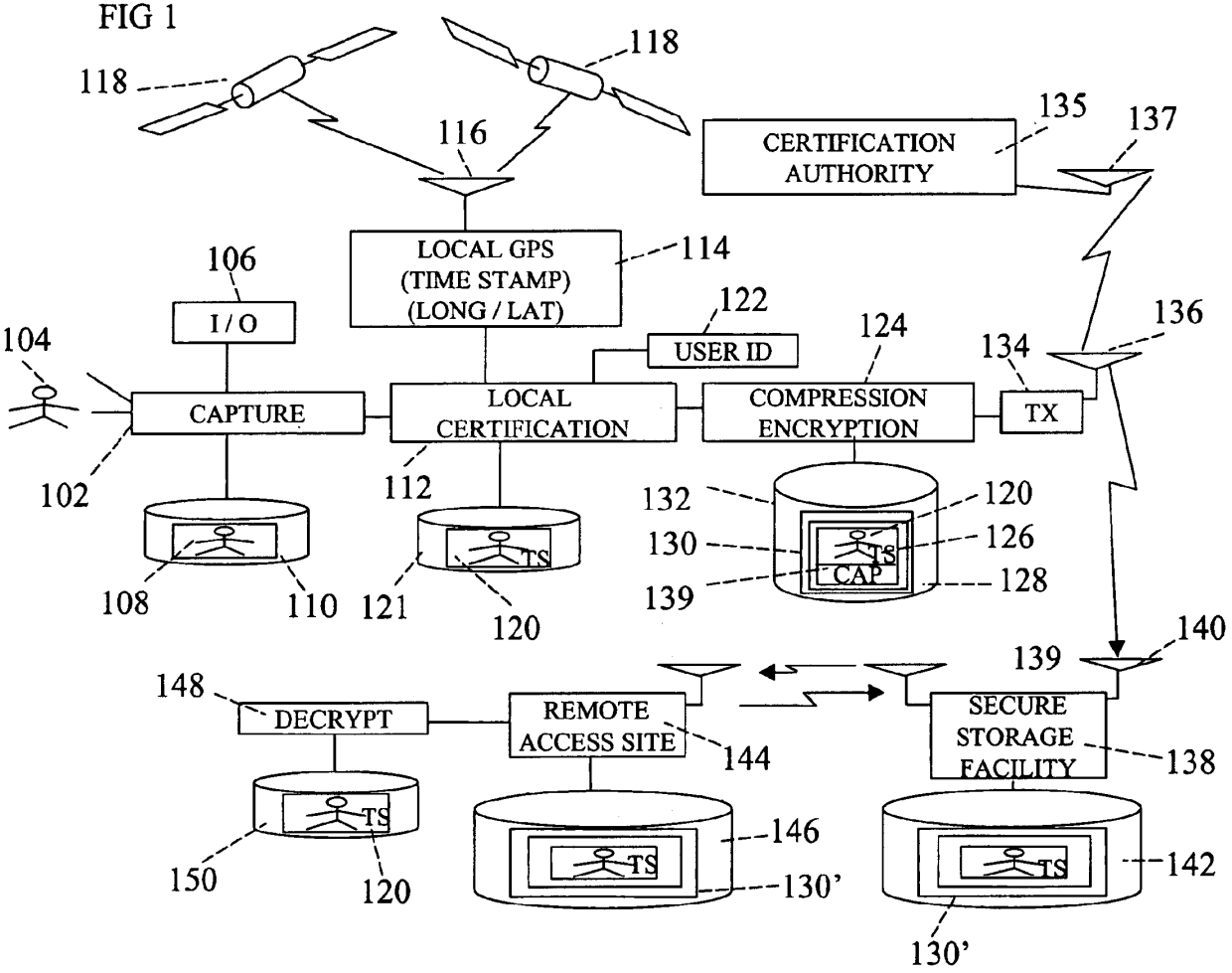

118
118
116
CERTIFICATION AUTHORITY
135
137
LOCAL GPS (TIME STAMP) (LONG / LAT)
114
106
I / O
122
USER ID
124
134
136
104
CAPTURE
LOCAL CERTIFICATION
COMPRESSION ENCRYPTION
TX
102
112
132
120
130
126
TS
CAP
128
139
108
110
121
120
140
139
148
DECRYPT
REMOTE ACCESS SITE
144
SECURE STORAGE FACILITY
138
146
150
120
130'
142
130'

FIG 2

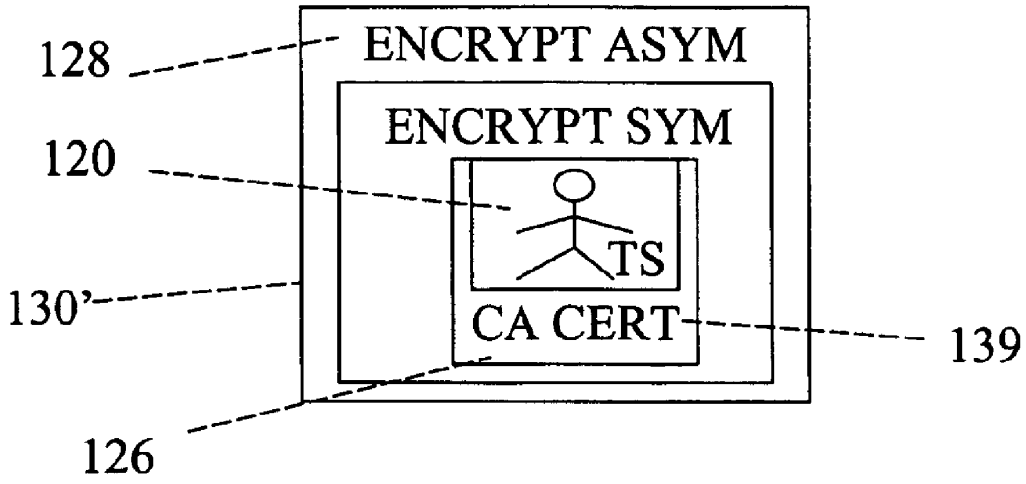


FIG 3

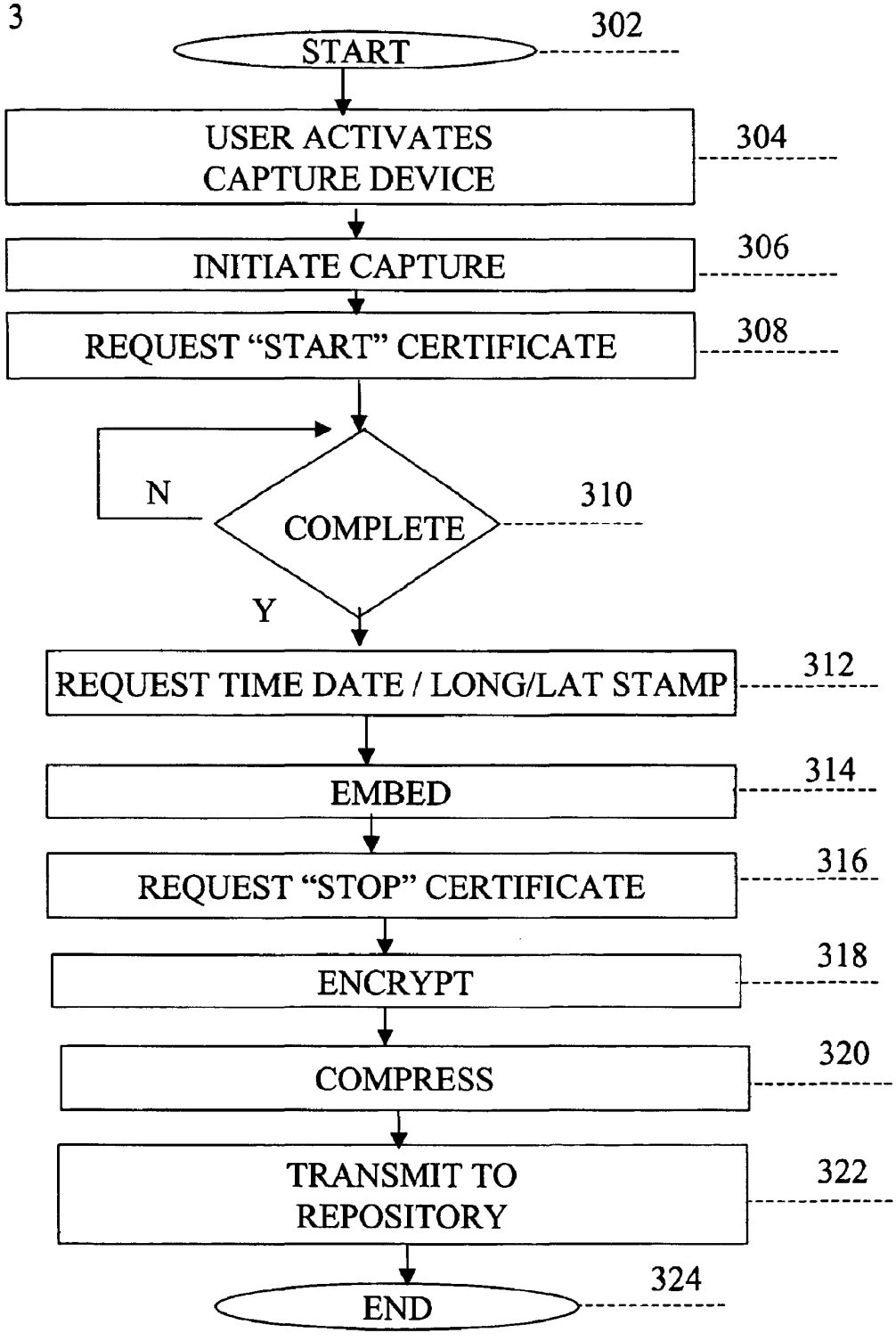

START
302
USER ACTIVATES CAPTURE DEVICE
304
INITIATE CAPTURE
306
REQUEST "START" CERTIFICATE
308
N
COMPLETE
310
Y
REQUEST TIME DATE / LONG/LAT STAMP
312
EMBED
314
REQUEST "STOP" CERTIFICATE
316
ENCRYPT
318
COMPRESS
320
TRANSMIT TO REPOSITORY
322
END
324

FIG 4

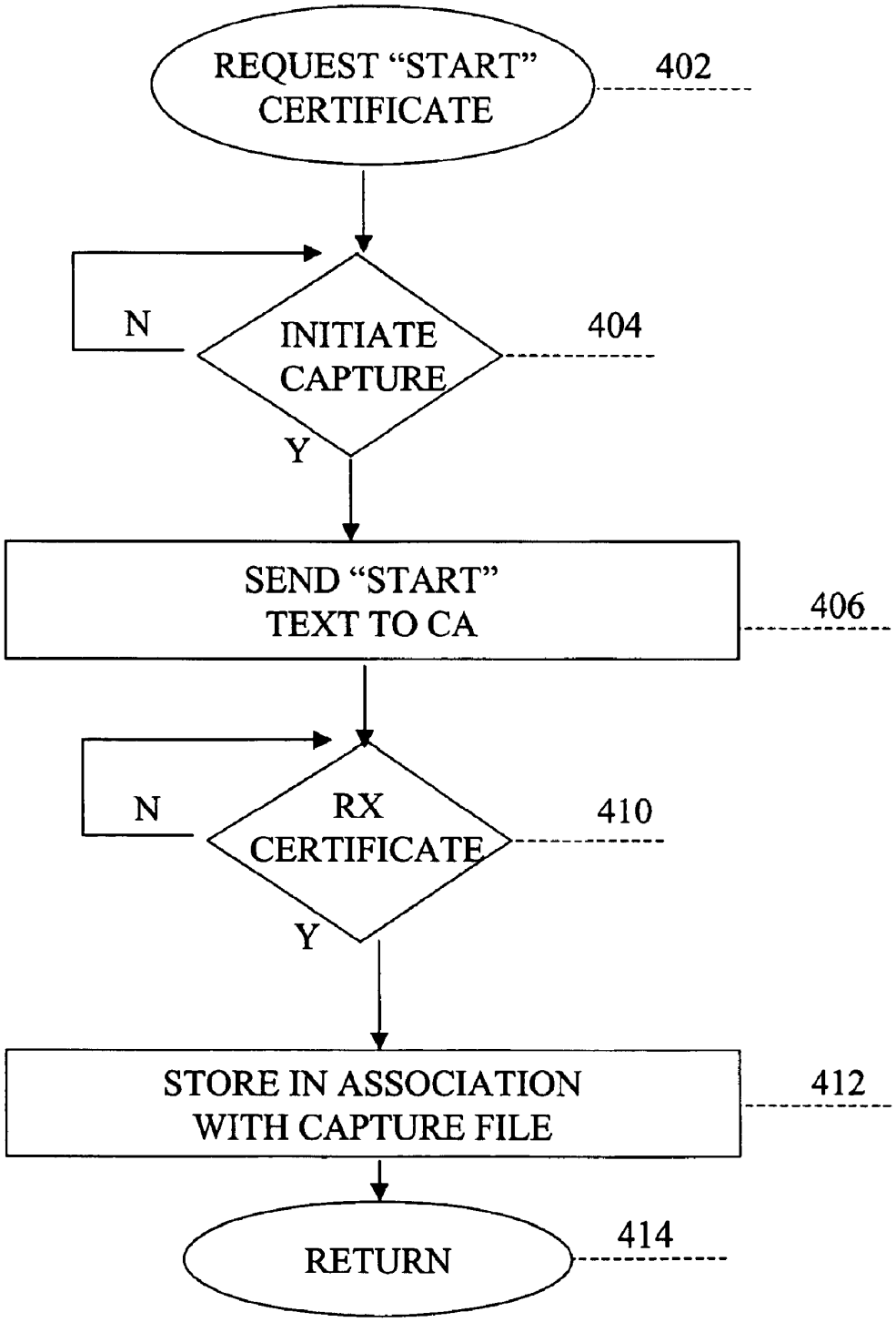

REQUEST "START" CERTIFICATE
402
INITIATE CAPTURE
404
N
Y
SEND "START" TEXT TO CA
406
RX CERTIFICATE
410
N
Y
STORE IN ASSOCIATION WITH CAPTURE FILE
412
RETURN
414

FIG 5

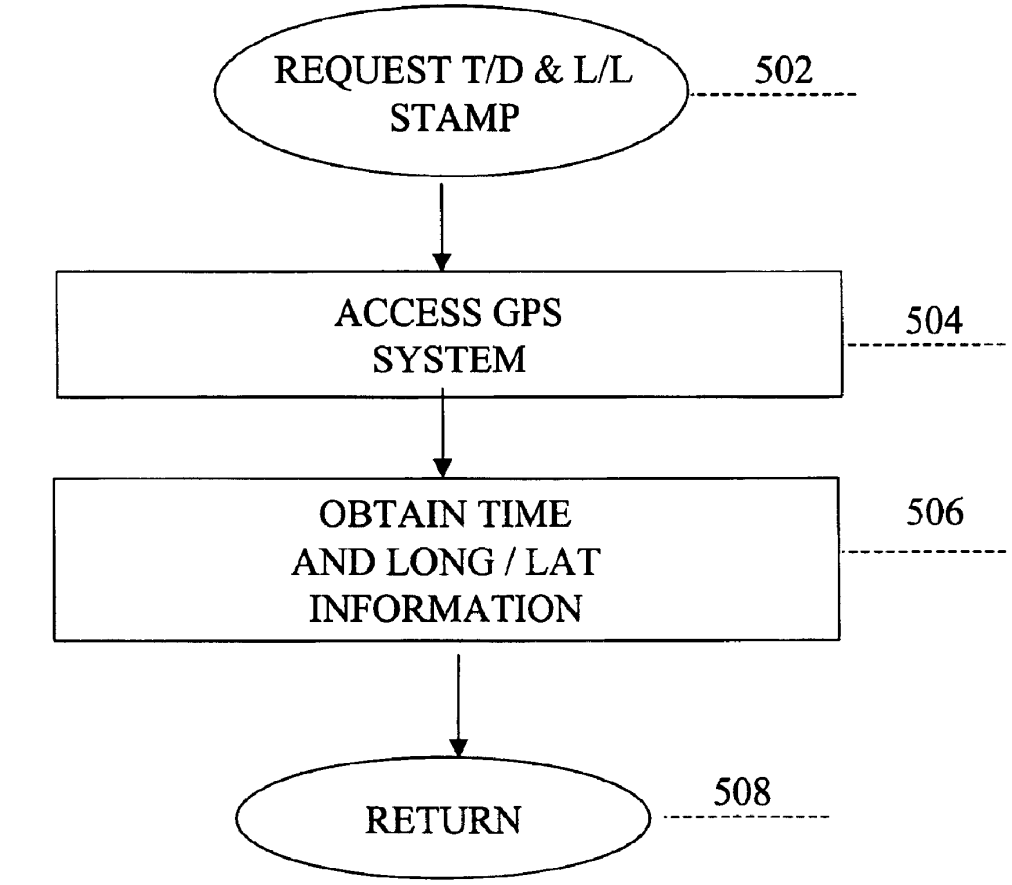

REQUEST T/D & L/L STAMP
502
ACCESS GPS SYSTEM
504
OBTAIN TIME AND LONG / LAT INFORMATION
506
RETURN
508

FIG 6

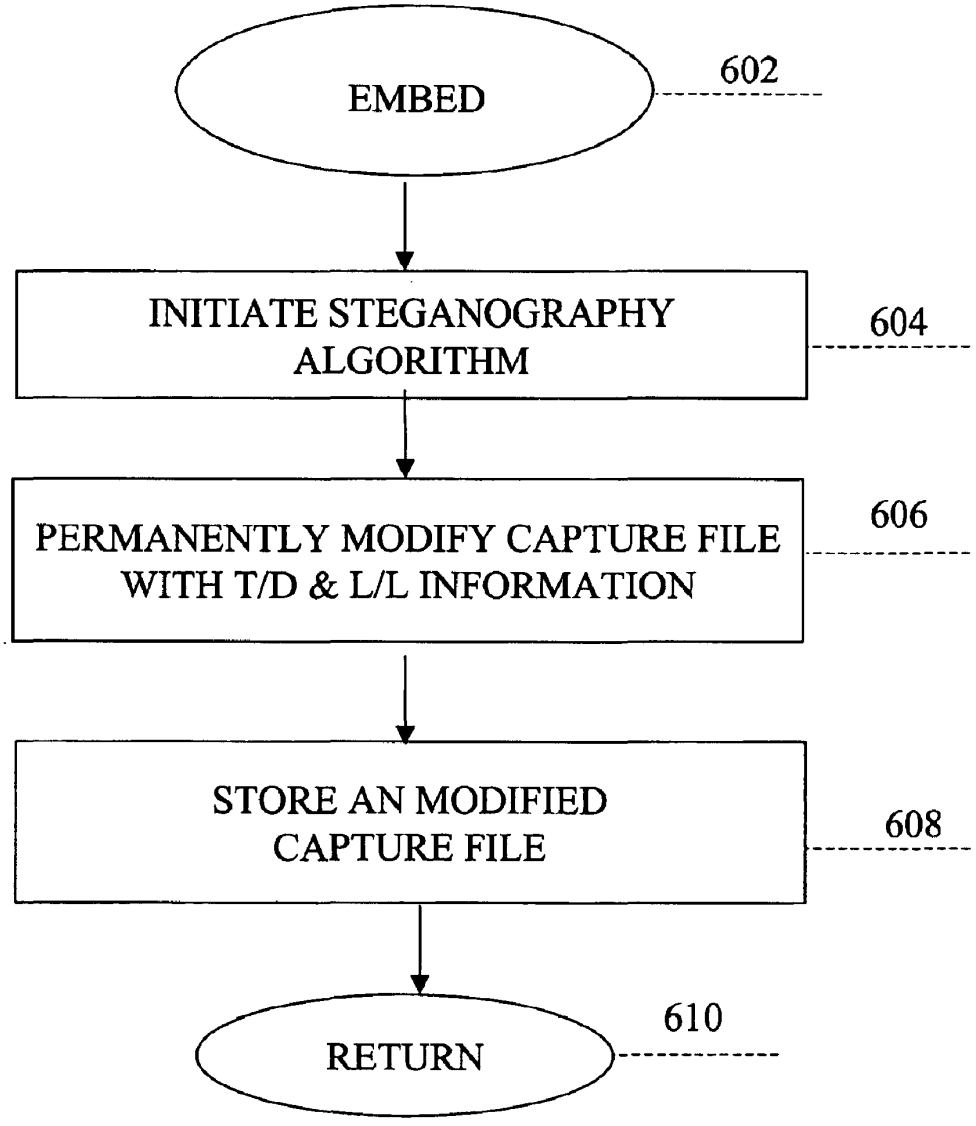

EMBED
602
INITIATE STEGANOGRAPHY ALGORITHM
604
PERMANENTLY MODIFY CAPTURE FILE WITH T/D & L/L INFORMATION
606
STORE AN MODIFIED CAPTURE FILE
608
RETURN
610

FIG 7

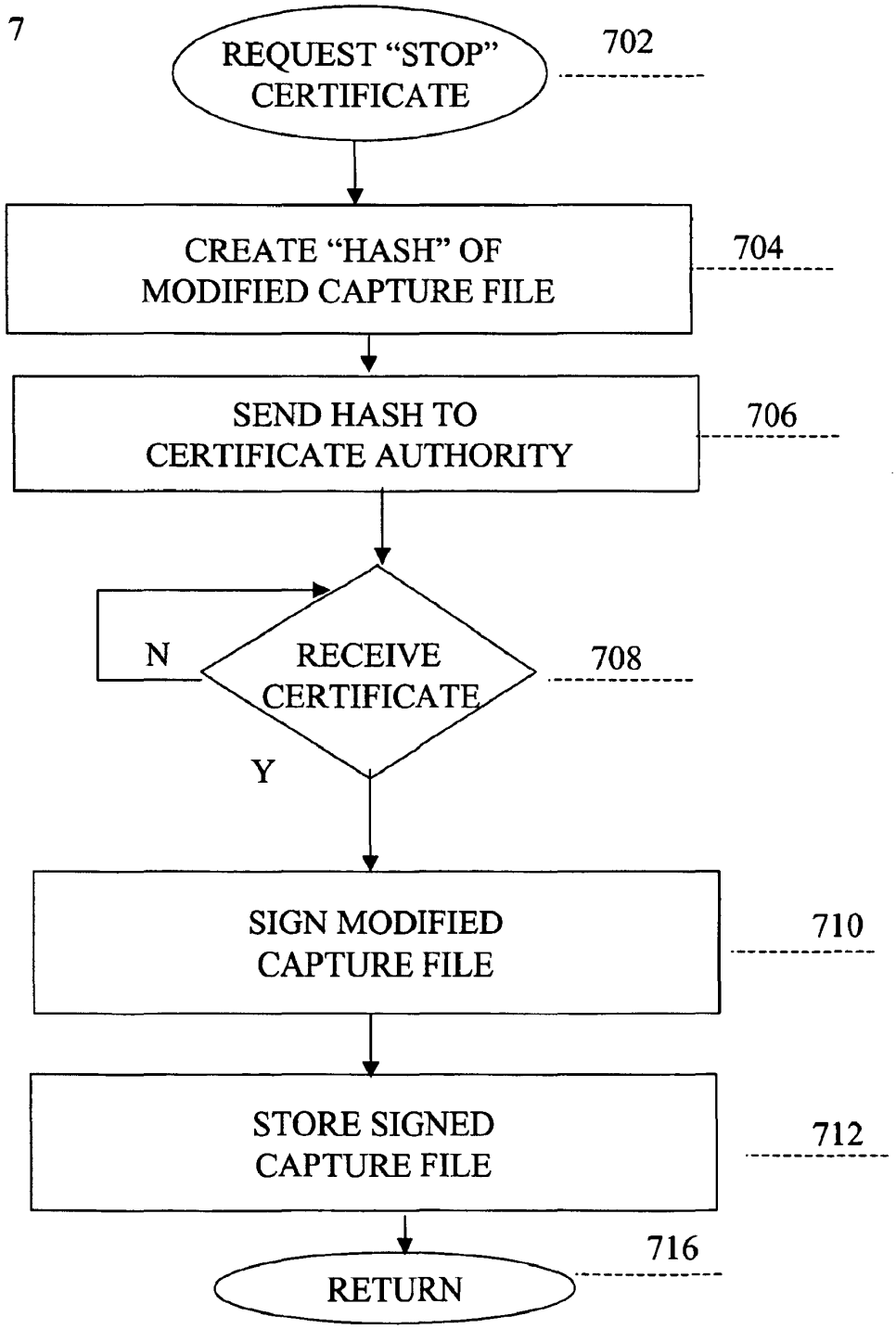
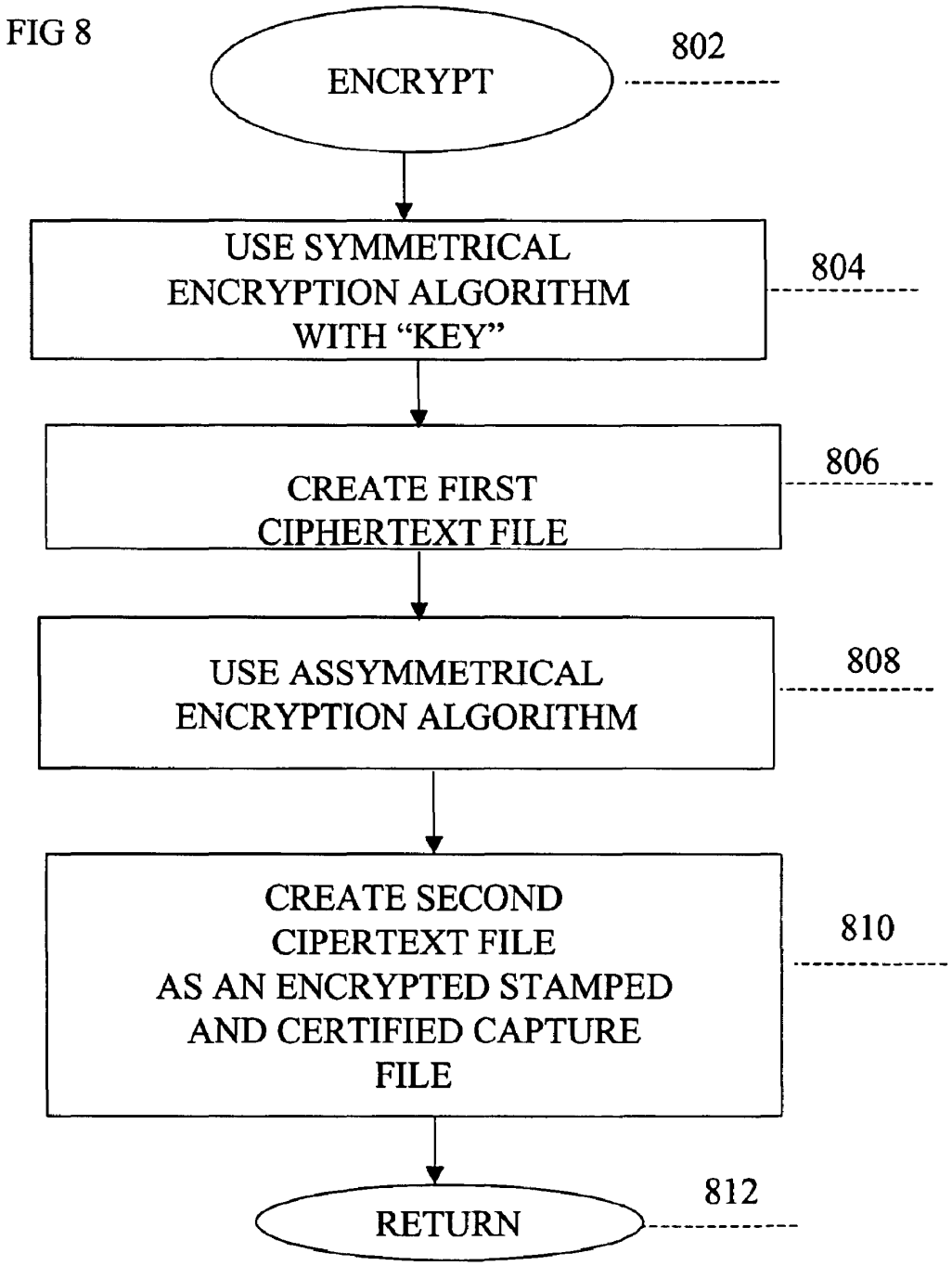

REQUEST "STOP" CERTIFICATE
702
CREATE "HASH" OF MODIFIED CAPTURE FILE
704
SEND HASH TO CERTIFICATE AUTHORITY
706
N
RECEIVE CERTIFICATE
708
Y
SIGN MODIFIED CAPTURE FILE
710
STORE SIGNED CAPTURE FILE
712
716
RETURN

FIG 8


ENCRYPT
802
USE SYMMETRICAL ENCRYPTION ALGORITHM WITH "KEY"
804
CREATE FIRST CIPHERTEXT FILE
806
USE ASSYMMETRICAL ENCRYPTION ALGORITHM
808
CREATE SECOND CIPERTEXT FILE AS AN ENCRYPTED STAMPED AND CERTIFIED CAPTURE FILE
810
RETURN
812

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	
Title of Invention	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Michael	F.	Malone	

Residence Information (Select One) ● US Residency Non US Residency Active US Military Service

City	State/Province	Country of Residence
McKinney	TX	US

Mailing Address of Inventor:

Address 1	2711 NORTHVIEW DRIVE
Address 2	
City	McKinney
State/Province	TX
Postal Code	75070
Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Frederick	J.	Murphy	

Residence Information (Select One) ◉ US Residency Non US Residency Active US Military Service

City	State/Province	Country of Residence
FALMOUTH	MA	US

Mailing Address of Inventor:

Address 1	126 AMBLESIDE DRIVE
Address 2	
City	FALMOUTH
State/Province	MA
Postal Code	02540
Country	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	
Title of Invention	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	25883		
Email Address	IPDOCKETING@MUNCKWILSON.COM	Add Email	Remove Email

Application Information:

Title of the Invention	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL		
Attorney Docket Number	MPOR60-34712	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		**Suggested Figure for Publication (if any)**	

Filing By Reference:

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

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

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

Publication Information:

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

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

Representative Information:

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

Please Select One:	● Customer Number	US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	25883		

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	
Title of Invention	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Domestic Benefit/National Stage Information:

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

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
	Continuation of	15/925988	2018-03-20	10387986	2019-08-20
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15/925988	Continuation of	15/450494	2017-03-06	9922391	2018-03-20
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15/450494	Continuation of	14/881696	2015-10-13	9589309	2017-03-07
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14/881696	Continuation of	14/175331	2014-02-07	9159113	2015-10-13
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14/175331	Continuation of	13/306732	2011-11-29	8687841	2014-04-01
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13/306732	Continuation of	12/857731	2010-08-17	8068638	2011-11-29
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12/857731	Continuation of	11/679533	2007-02-27	7778440	2010-08-07
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
11/679533	Continuation of	11/325373	2006-01-04	7184573	2007-02-27
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
11/325373	Continuation of	10/674910	2003-09-29	6996251	2006-02-07

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	
Title of Invention	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
10/674910	Claims benefit of provisional	60/414449	2002-09-30
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.			Add

Foreign Priority Information:

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

			Remove
Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.			Add

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

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	
Title of Invention	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Authorization or Opt-Out of Authorization to Permit Access:

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

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

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

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

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

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

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

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

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

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

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	
Title of Invention	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

Applicant Information:

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

Applicant 1 — Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

● Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor
Person to whom the inventor is obligated to assign.	Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	MYPORT TECHNOLOGIES, INC.		
Mailing Address Information For Applicant:			
Address 1	2711 NORTHVIEW DRIVE		
Address 2			
City	McKinney	**State/Province**	TX
Country	US	Postal Code	75070
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button. Add

Assignee Information including Non-Applicant Assignee Information:

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

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Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

Remove

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add

Signature:

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

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

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

Signature	/Gregory M. Howison, Reg. #30646/			Date (YYYY-MM-DD)	2019-08-16
First Name	Gregory	Last Name	Howison	Registration Number	30,646

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MPOR60-34712
	Application Number	
Title of Invention	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL	

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

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 the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3 A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent CooperationTreaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

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

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ASSIGNMENT

WHEREAS, we, Michael F. Malone and Frederick J. Murphy, citizens of the U.S.A., have invented certain new and useful improvements in "FORENSIC COMMUNICATION APPARATUS AND METHOD" for which we have filed an application for United States Letters Patent on September 29, 2003, and this application has been accorded Serial No.: 10/674,910; and

WHEREAS, MyPort Technologies, Inc., a corporation of the State of Delaware, which has a business address of 2711 Northview Drive, McKinney, Texas 75070, (hereinafter referred to as "Assignee"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interests are concerned, to said Assignee of our entire right, title and interest.

We also hereby sell and assign to said Assignee, its successors, assigns and legal representatives the full and exclusive right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said Assignee, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements, and, at the expense of said Assignee, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said Assignee and to aid said Assignee, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Name of First Joint Inventor: **Michael F. Malone**

Residence (City, State): **McKinney, Texas**

Signature: _____

Date: 10/27/03

STATE OF TEXAS §

COUNTY OF COLLIN § ss:

BEFORE ME, a Notary Public, on this 27th day of OCT, 2003, personally appeared Michael F. Malone, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL of office this 27th day of OCT A.D., 2003.

KAMBIZ ADIB
Notary Public
STATE OF TEXAS
My Comm. Exp. 02-10-2006

_____
Notary Public

Commission Expires:
02/10/2006

Name of Second Joint Inventor: **Frederick J. Murphy**

Residence (City, State): **Falmouth, Massachusetts**

Signature: F. J. Murphy

Date: Nov 4, 2003

STATE OF MA §

COUNTY OF Barnstable § ss:

BEFORE ME, a Notary Public, on this 4th day of November, 2003, personally appeared Frederick J. Murphy, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL of office this 4 day of NOV A.D., 2003.

Notary Public

Commission Expires

Bhawana D. Chitkara
Notary Public
My Commission Expires November 20, 2009

PTO/AIA/01 (06-12)
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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	APPARATUS AND METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, TRANSMISSION, STORAGE AND RETRIEVAL

As the below named inventor, I hereby declare that:

This declaration is directed to:

- [x] The attached application, or
- [ ] United States application or PCT international application number _____ filed on _____.

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

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

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

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, petitioners/applicants 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.

LEGAL NAME OF INVENTOR

Inventor: Michael F. MALONE Date (Optional): 1-8-14

Signature: _____

Note: An application data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/SB/AIA01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1 minute 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
APPLICATION FOR UNITED STATES PATENT

SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

Inventors:

Michael F. Malone – McKinney, Texas

Frederick J. Murphy – Falmouth, Massachusetts

MUNCK WILSON MANDALA L.L.P.
600 Banner Place
12770 Coit Road
Dallas, Texas 75251
(972) 628-3600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation of U.S. Application No. 15/925,988, filed March 20, 2018, and entitled SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL, published on January 1, 2019, as U.S. Patent Application Publication No. US 2019-0005599 A1, now U.S Patent No. 10,387,986. U.S. Application No. 15/925,988 is a continuation of U.S. Patent Application No. 15/450,494, filed on March 6, 2017, and entitled SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL, published on June 22, 2017, as U.S. Patent Application Publication No. US 2017/0178271, now U.S. Patent No. 9,922,391. U.S. Patent Application No. 15/450,494 is a continuation of U.S. Patent Application No. 14/881,696, filed on October 13, 2015, and entitled APPARATUS AND METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, TRANSMISSION, STORAGE AND RETRIEVAL, published as U.S. Patent Application Publication No. US/2016/0267619, now U.S. Patent No. 9,589,309 (Atty. Dkt. No. MPOR-32821). U.S. Patent Application No. 14/881,696 is a continuation of U.S. Patent Application No. 14/175,331, filed February 7, 2014, and entitled APPARATUS AND METHOD FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, TRANSMISSION, STORAGE AND RETRIEVAL, published as U.S. Patent Application Publication No. US/2014/0153721, now U.S. Patent No. 9,159,113 (Atty. Dkt. No. MPOR-31942), which application is a continuation of U.S. Patent Application No. 13/306,732, filed November 29, 2011, and entitled APPARATUS AND METHOD FOR EMBEDDING SEARCHABLE INFORMATION INTO A FILE, ENCRYPTION, TRANSMISSION, STORAGE AND RETRIEVAL, published as U.S. Patent Application Publication No. US/2012/0071133, now U.S. Patent No. 8,687,841 (Atty. Dkt. No. MPOR-30961), which application serial no. 13/306,732 is a continuation of U.S. Patent

Application Serial No. 12/857,731, filed August 17, 2010, and entitled APPARATUS AND METHOD FOR EMBEDDING SEARCHABLE INFORMATION INTO A FILE FOR TRANSMISSION, STORAGE AND RETRIEVAL, published as U.S. Patent Application Publication No. US 2010/0310071, now U.S. Patent No. 8,068,638 (Atty. Dkt. No. MPOR-30215), which application no. 12/857,731 is a continuation of U.S. Patent Application Serial No. 11/679,533, filed February 27, 2007, and entitled APPARATUS AND METHOD FOR EMBEDDING SEARCHABLE INFORMATION INTO A FILE FOR TRANSMISSION, STORAGE AND RETRIEVAL, published as U.S. Patent Application Publication No. US 2007/0201721, now U.S. Patent No. 7,778,440 (Atty. Dkt. No. MPOR-27808), which application no. 11/679,533 is a continuation of U.S. Patent Application Serial No. 11/325,373, filed January 4, 2006, and entitled APPARATUS FOR CAPTURING INFORMATION AS A FILE AND ENHANCING THE FILE WITH EMBEDDED INFORMATION, published as U.S. Patent Application Publication No. US 2006/0115111, now U.S. Patent No. 7,184,573 (Atty. Dkt. No. MPOR-27243), which application no. 11/325,373 is a continuation of U.S. Patent Application Serial No. 10/674,910, filed September 29, 2003, and entitled FORENSIC COMMUNICATION APPARATUS AND METHOD, published as U.S. Patent Application Publication No. US 2004/0125208, now U.S. Patent No. 6,996,251 (Atty. Dkt. No. MPOR-26491), which application no. 10/674,910 claims the benefit of expired U.S. Provisional Application No. 60/414,449, filed September 30, 2002, and entitled FORENSIC COMMUNICATION APPARATUS AND METHOD, all of the above of which are incorporated by reference.

[0002] U.S. Patent Application Publication Nos. US 2019-0005599 A1, US 2014/0153721, US 2012/0071133, US 2010/0310071, US 2007/0201721, US 2006/0115111, US 2004/0125208, US 2016/0267619, US 2017/0178271, and U.S. Patent Nos. 6,996,251, 7,778,440, 7,184,573, 8,068,638, 8,687,841, 9,159,113, 9,589,309 and 9,922,391 are incorporated by reference herein.

TECHNICAL FIELD OF THE INVENTION

[0003] This invention is related in general to information transmission systems and, more particularly, to an information transmission system that is operable to be stored at a remote location as a secure file in a trusted environment.

BACKGROUND OF THE INVENTION

[0004] With the popularity of wireless "digital" computing devices, such as, Personal Digital Assistants (PDA's) cell phones, cameras, video, audio recorders and other digital recorders, users have been afforded the ability to record and transmit digital media within seconds.

[0005] With the advent of digital media, it has become increasingly easy to copy, counterfeit, falsify and misuse digital information of all kinds. This includes digital photographs, video & audio recordings of speech or musical performances, motion pictures and recordings of physical phenomena, such as meter readings or "black box" records. This digital media can be altered in ways that defy detection, audio recordings can be compressed and anonymously offered to the public with impunity, and time and date stamps on any of the media just listed can be easily changed with freely available tools.

[0006] An attendant problem is that of secure storage. While a flash memory card within these digital recording devices (in any of its currently popular forms) can hold hundreds of pictures, images, video and audio, the problem with securely storing, indexing and retrieving thousands of media files has still not been solved. When the works of intellectual property (music, software, images and movies, to name a few) are much more valuable than the equipment on which they reside, the temptation for theft and alteration becomes great.

[0007] Furthermore, this invention provides for the secure non-repudiation by embedding Certificate Authorities non-repudiation Digital Certificates of the digital files for forensic or other evidentiary purposes that are sent and received across the transmission networks.

[0008] This works for any kind of media file – photographs, images, music, audio spoken word, video, physical phenomena – anything. Obvious applications range from taking a photograph, video clip to "black boxes" embedded in transportation facilities. Following an incident, information could be transmitted using the above schemes to a storage facility. Only authorized personnel could then retrieve the encrypted messages and return the data to cleartext form.

SUMMARY OF THE INVENTION

[0009] The present invention disclosed and claimed herein, in one aspect thereof, comprises an apparatus for acquiring information to be transmitted to a receiving facility and for transmitting such thereto. A capture device captures information from a first source. A processor is provided for associating with the captured information the date and time of the capture of the information, such that the date and time information in association with the captured information forms augmented captured information. The processor is provided for placing the augmented captured information in association with subscriber information in a transmission of the augmented captured information to a receiving facility requiring such subscriber information. A transmitter transmits the transmission including the augmented captured information and the subscriber information to the receiving facility. An encryptor encrypts the augmented captured information with a symmetrical encryption algorithm to provide encrypted augmented captured information in the transmission with the subscriber information.

BRIEF DESCRIPTION OF THE DRAWINGS

[0010] For a more complete understanding of the present invention and the advantages thereof, reference is now made to the following description taken in conjunction with the accompanying drawings in which:

[0011] Fig. 1 illustrates a block diagram of the overall operation of the system in accordance with the present disclosure;

[0012] Fig. 2 illustrates a diagrammatic view of the captured and encrypted file;

[0013] Fig. 3 illustrates a flow chart depicting the overall operation of the capture operation;

[0014] Fig. 4 illustrates a flow chart depicting the operation of the request operation for the start certificate;

[0015] Fig. 5 illustrates a flow chart depicting the operation of requesting information from the GPS;

[0016] Fig. 6 illustrates a flow chart depicting the operation of embedding information into the captured file;

[0017] Fig. 7 illustrates a flow chart depicting the operation of requesting the stop certificate; and

[0018] Fig. 8 illustrates a flow chart depicting the encryption algorithm operation.

DETAILED DESCRIPTION OF THE INVENTION

[0019] Referring now to Fig. 1, there is illustrated a block diagram of the overall operation of the system in accordance with the present disclosure. The system generally is directed toward a capture device 102 that is operable to capture, in this embodiment, an image of an individual; for example, the individual denoted by the reference numeral 104. This can be any type of scene or any type of information that is captured. This could be a video segment, a still picture or an audio segment. It should be understood that the capture device 104 could capture any type of information, not just video information. As will be described herein below, the purpose of the system of the present disclosure will be to not only capture information but to store the information in a secure and certifiable manner such that it is non-repudiable. The capture device is controlled by a user through an input/output (I/O) interface 106. The image104, in this example, will be captured in the form of a capture file 108 stored in a storage area 110, this being a buffer area. The capture device 102 could be a cell phone that has a video camera associated therewith, any type of device having a digital camera associated therewith, an audio system for capturing an audio file, etc. The phone, in one example, can capture and digitize the image, or even a video segment.

[0020] Once the captured image 108 is formed and temporarily stored, it then goes to the next step of the operation. In this step of the operation, a process block 112 is provided to obtain local certification. Local certification, in this example, is some certification that is viewed as providing information in such a manner that there is a high level of confidence in that information which is to be associated with the image as an integral part thereof and will, as described herein below, follow the image. For example, the information that is obtained will be time and date information and longitude and latitude information that is received from a GPS system (global positioning system), a conventional system. The time information, the date information and the longitude and latitude information are provided in such a manner that, when associated with the capture file 108, this provides some current validation that the file was created at that particular time and, at a later time, it could be identified by the fact that it has that information associated therewith. For example, a user could make a log, either printed or electronic of the image captured and, at a later time, by merely knowing what the time and data information was and the longitude and latitude information was, this would provide a higher

degree of confidence that the later viewed file and the original captured file was the same and had not been tampered with or had not been reproduced at a later time and location.

[0021] In order to provide this verification, the trusted entity is the GPS system, since this is a system that provides a time stamp and a longitude and latitude from the calibrated system. If this is implemented in such a manner that it is an integral part of the capture operation, i.e., it is integrated into the phone, for example, then a high degree of confidence is maintained that this was obtained basically at the time the capture was complete. The GPS system, as noted herein above, is a conventional system that utilizes a GPS receiver 114 that has an antenna 116 that is operable to receive information from a plurality of satellites 118. Typically, there can be anywhere from three to ten or more satellites from which information can be received to obtain an accurate location. Alternate techniques for recovering time, date and position information includes differential and Doppler analysis of very precise timing signals coming from a plurality of cellular/PCS base stations. A third technique for recovering time, date and position information includes retrieving information directly from the Mobility Management (MM) sub layer of the cellular protocol, where the mobile telephone service provider is a party to the transactions. Finally, another technique of retrieving accurate time and date information include use of a network time server.

[0022] The result of the local certification is a locally certified captured image 120 which is illustrated with the image and a time stamp, "TS," disposed on the edge thereof, this location by way of example only, as other methods of disposing this information are described herein below. This "TS" indicates that there is some information that is "embedded" into the captured file or captured image that is now part of the file. For example, as will be described in more detail herein below, there is a science of embedding information referred to as "Steganography" that allows information to be embedded in some expression of intellectual property (a photograph, a musical recording, or other expression,) such that (a) the information is hidden from casual observers and (b) the information is not easily altered or destroyed. One such type is a "water mark" that basically is disposed in the background of a document, for example. In images, there are encoding techniques such as "glifs" that can be disposed in the image which is an optical type encoding that appears as a random background to a viewer, but actually contains digitized

information. The result is that the document, file image, etc., is indelibly marked with the date, the time and the location, in addition to associating therewith information about the user in the form of a user ID, which is provided in a user ID block 122. The local certification block 112, therefore, is operable to merge the captured file 108, the GPS information as to time stamp and location and the user information into the single document 120. At this point, the document 120 is still a "clear" document such that it can be viewed by any individual. The image 120 is stored in a temporary image buffer 121.

[0023] After the document 120 has been created with the local certification, the system then compresses the file using any of a number of well-known methods. In the case of an image, the compression technique may be a lossy algorithm such as JPEG or (in the case of motion pictures) MPEG, or for a data set, the compression technique may be a lossless method such as Lempel-Ziv-Welch.

[0024] After compression, the file 120 is processed through an encryption operation wherein the file is first encrypted in accordance with predetermined encryption algorithms, this being performed in a block 124. The encryption, as will be described herein below, is a double encryption operation which wraps the local certified captured file with a first level of encryption 126 and a second level of encryption 128 to provide an encrypted document 130. This is then stored in a temporary storage buffer 132. The file 130 is then subjected to a non-repudiation certification process to acquire a Certificate of Authenticity (CA) from a certification authority 135, this certification authority 135 being a trusted third party that can "digitally sign" a file, image, etc. and provide a level of authenticity to that file. This is conventional technology. The document 130, in its encrypted form, is converted to a "hash" file and this hash file, which is a representation of the encrypted file, is sent to the certification authority 135 via a transmitter and antenna 136 along a wireless path, and received by an antenna 137 at the certification authority 135 location. Again, this is a wireless operation. The hash file is then signed and a combination hash file and certificate of authenticity is then sent back to the antenna 136 which is then stored in a temporary memory 133 as a certified document. This is illustrated with the attached certification authority certificate 139. This is the file that is sent to the secure storage facility, this being a file 130'.

[0025] After encryption, certification by the CA and compression, the encrypted file is then passed to the transmitter 134 for transmission via the antenna 136 along a wireless path to a secure storage facility 138 having a receiving antenna 140 associated therewith. The secure storage facility 138 is a repository. In one embodiment, this repository 138 does nothing more than to store the image 130 in a large database 142 for access at a later time. Additionally, the secure storage facility 138 could be a trusted storage facility, which trusted storage facility has the ability to "unwrap" the encryption from the document 120 such that it can transmit the document 120 at a later time upon request. Alternatively, the secure storage facility 138 could merely be a place to store the information with secure measures as to restricting access to only authorized individuals. In that scenario, the secure storage facility 138 would not be able to decrypt the image 130 and would merely be able to transfer the image to the individual or entity authorized to access that information.

[0026] For access, a remote access site 144 is operable to send requests to the secure storage facility 138, identify themselves with the appropriate passwords to comply with the security procedures of the secure storage facility 138 and then have the image requested sent thereto. This image can then be stored in a memory 146 and decrypted with a decryption algorithm in a block 148 for storage of the decrypted file 120 in a storage space 150. This can then be extracted by a user for whatever purpose. In general, all of the encryption ensures that there has been no "tampering" with the file before it is decrypted. Once decrypted, then the time date stamp and location information, in addition to the user information, is still embedded in the picture, document, audio file, etc. that makes up the captured file to show that there was some local indelible certification that verifies the captured file as being authentic and which was embedded at the time of creation.

[0027] Referring now to Fig. 2, there is illustrated a diagrammatic view of the captured and encrypted file 130 which, as noted herein above, is comprised of the locally certified captured file 120 wrapped by the first layer of encryption 126 and the second layer of encryption 128. As will be described herein below, the first layer of encryption is a symmetrical encryption algorithm and the second layer 128 is an asymmetrical encryption layer 128. The symmetrical encryption layer is something that can be unwrapped merely by having access to various public

keys. This is a fairly conventional PKI system. The second layer of encryption, the asymmetrical encryption layer, is a layer that requires a private key in order to extract this layer. Therefore, in order to gain access to the file at the second layer of encryption, the individual must have the private key to unwrap the first layer and the other key to unwrap the second layer. Again, this will be described in more detail herein below.

[0028] Referring now to Fig. 3, there is illustrated a flow chart depicting the overall operation of the capture operation, which is initiated at a start block 302 and then proceeds to a function block 304 in order to allow the user to activate the capture device 102. The user activates the capture device 102 and then a capture operation is initiated at a block 306. Upon initiation of a capture, there is, in one embodiment, a "start" request sent out to the certification authority 135. The certification authority 135 receives the request generated at the block 308 for a certification certificate as to the "start" information that was sent to it. This can merely be the text "start" that is certified. This is sent back to the system during the capture operation. A decision block 310 indicates that this operation which will wait for the receipt of the certificate. However, during the time that this certificate is being generated, the capture is continuing. Once the program, after the start request is generated, then flows to a decision block 310 to wait for the completion of the capture operation. As soon as this is complete, the program flows along a "Y" path to a function block 312 in order to request the time, date, longitude, latitude information and then embed this information along with user information, as indicated by a function block 314. This is embedded into the captured file as described herein above. The program then flows to a function block 316 in order to request a "stop" certificate from the certification authority 135. In this operation, the certificate is requested prior to encryption such that the "clear" file can be certified prior to encryption with the certificate 139. However, the file could be encrypted first and then certified. The program then flows to an encryption block 318 to encrypt the file and then to a function block 320 to compress the file. This compressed file is then transmitted to the repository, as indicated by a function block 322 and then the program proceeds to an End block 324.

[0029] Referring now to Fig. 4, there is illustrated a flow chart depicting the operation of the request operation for the start certificate, as initiated at a block 402. The program then proceeds

to decision block 404 in order to initiate the capture operation. When the capture operation is initiated, the program flows along a "Y" path to a function block 406 to send the "start" text to the certification authority 135. Of course, this could be a "hash" of a certain initial part of the capture file, but just the text would be sufficient. The program then flows to a decision block 410 to determine if the certificate has been received for this "start" text and, when it has been received, the program will flow along the "Y" path to a function block 412 to store this received certificate in association with the captured file. Of course, this may not be disposed in association therewith until the capture is complete. Additionally, although not illustrated in this flow chart, the start time could also have time and date information as well as longitude and latitude information associated therewith such that there would be local certification of both the start time and the stop time which is received from a trusted authority, i.e., the GPS system. Once this information is determined as stored in association with the captured file, the program flows to a return block 414. Again, this information may merely be stored in a temporary buffer until the capture is complete.

[0030] Referring now to Fig. 5, there is illustrated a flow chart depicting the operation of requesting information from the GPS, which is initiated at a block 502. The program then flows to a function block 504 in order to access the GPS system. This, again, is a conventional operation which will obtain both accurate time information and location information. This access of information is indicated in a function block 506. The program then stores this information and flows back to a Return block 508.

[0031] Referring now to Fig. 6, there is illustrated a flow chart depicting the operation of embedding information into the captured file, which is initiated at a block 602. The program then flows to a function block 604 to initiate a steganography algorithm. The steganography operation is operable to permanently modify the captured file with the time/date information and longitude and latitude information as well as user ID information, this indicated at a function block 606. The program then flows to a function block 608 to store a modified captured file with this local certification information embedded therein. Again, this local certification information provides some level of authenticity to a "clear" file. The program then flows to a Return block 610.

[0032] Referring now to Fig. 7, there is illustrated a function block or a flow chart depicting the operation of requesting the stop certificate, which is initiated at a start block 702 and then proceeds to a function block 704 to create the "hash" file of a modified capture file. This hash file is then sent to the certification authority 135, as indicated by a function block 706. The program then flows to decision block 708 to wait for the receipt of the certificate and, once received, flows to a function block 710 to basically sign the modified capture file and associate with the modified capture file a certificate of authority. Since the hash file is a digital representation of the actual captured file, the actual capture file does not have to be transmitted to the certification authority 135. The reason for this is that one would like to prevent the transmission over any wireless link of "clear" information. As such, the hash file has no discernable information associated therewith and, as such, it only has meaning when associated with the original file from which it was generated, since the algorithm for generating a hash file will clearly identify the two. As such, the certificate generated by the certification authority 135 is sufficient to ensure that a trusted authority has in fact verified the authenticity of the file, this indicated by a function block 712 wherein the captured file is signed and then the program flows to a Return block 716.

[0033] Referring now to Fig. 8, there is illustrated a flow chart depicting the encryption algorithm operation, which is initiated at a block 802 and then proceeds to a function block 804. This is the operation wherein symmetrical encryption is utilized with a "public and private key system." The symmetrical encryption is an operation in which a plaintext message is transformed by a well-known algorithm operating under control of a key. The key is a short (less than 1000 bits, usually) data string that instructs the encryption algorithm how to transform the plaintext into an unreadable form called ciphertext. This type of encryption is called "symmetrical" because the same key that is used to encrypt the plaintext is used to decrypt the ciphertext, resulting in a plaintext file once again.

[0034] After encryption in the "first layer," the program then flows to function block 806 to create the first ciphertext file. This first ciphertext file is then processed with an asymmetrical encryption algorithm, as indicated by a function block 808 to further encrypt or protect the captured file. The second general type of cryptosystem is asymmetrical encryption. This

encryption scheme uses mathematical functions called one-way or trapdoor functions that are easy to perform but extremely difficult to reverse. Examples of these one-way functions are factoring large composite numbers (two large numbers are easy to multiply, but finding the two large numbers given the product alone is difficult) and the discrete logarithm problem (raising a number to a power modulo some value is easy, but finding the number given the result is difficult). In an asymmetrical cryptosystem, one key (referred to as the public key) is used to encrypt the plaintext and a second, related key (called the private key) is used to decrypt the ciphertext. In a public-key encryption scheme, it is common to publish the public key. In this way, anyone can send a secure message, but only the holder of the private key can decrypt the message and reveal the plaintext.

[0035] Asymmetrical cryptosystems have another use as well: by encrypting a file under his or her private key, a party can prove that he or she is the author of the message. If others can decrypt the file using the associated public key, then nobody but the holder of the private key could have created the message. This leads to properties favorable to the present invention: proof of ownership and non-repudiation. The result of the asymmetrical encryption step will be the creation of the second ciphertext file as an encrypted stamped and certified captured file, as indicated by function block 810. The program then proceeds to a Return block 812.

[0036] To illustrate how the system of the present disclosure operates, one example of an application of the capture device 102– a wireless digital camera – will be described.

[0037] The user takes a picture, video, audio, or acquires any other data set, or any combination of these. The apparatus then sends a request to a certificate authority to obtain a certification of the time and date of the recording. This certificate, as well as time, date and location information obtained from the GPS receiver or other techniques for determining this information, as well as an identifying number unique to the wireless digital video camera, is steganographically encoded onto the image and/or audio files.

[0038] The image is now marked, but it is still "in the clear." That is, anyone who gains access to the image file will be able to reproduce the image. It must now be secured so that unauthorized parties cannot view the image.

[0039] After compression, the next step is to encrypt the file in such a way that the file cannot be used without access to a secret key.

[0040] Once the image file has been indelibly marked and compressed, and it is about to be encrypted using a symmetrical cryptosystem, a decision must be made as to what key to use. There are several methods of establishing a key. The first is to have a single, fixed key assigned to the wireless digital recorder (i.e. camera) at the factory. The problem with this method is that if this key becomes compromised, then all images taken by the wireless digital recorder (i.e. camera) are compromised. A second method is to create a new, random key each time a photograph is taken, and store the table of keys in the wireless digital recorder (i.e. camera) for subsequent download. This, although feasible, may be undesirable for the same reason that storing the images themselves in the wireless digital recorder (i.e. camera) is undesirable: memory in the wireless digital recorder (i.e. camera) is fragile, and if the keys are lost, the images are useless.

[0041] Instead, a preferred method of key management is used. In this scheme, the serial number of the wireless digital recorder (i.e. camera) and other pertinent information that can be recovered without recovering the file (like the filename, the time and date, etc.) are securely hashed. Hashing refers to a practice of creating a short dataset that represents a larger dataset. For example, if one were to assign all the letters in a document a number (A=1, B=2, etc.), add those numbers together modulo 26, one would come up with a single number between 0 and 25. If any letter in the document changed, the result of the function would change as well, and thus could be used as an indication that the document had changed. In a way, the short dataset (the modulo sum) would stand in for the larger dataset (the document). Note that the short dataset cannot be used to reproduce the document, but that changing the document in a way that doesn't affect the modulo sum is difficult.

[0042] Hashing works in just this way, but with much larger numbers. In the disclosed system, the serial number is hashed with other information to create a key. If the key is compromised (by technical or legal means) then no other photograph taken by the wireless digital recorder (i.e. camera) is compromised. It is impossible – not just difficult – to go from the

hashed key to the source material, in the same way it is impossible to deduce this document from one modulo sum character.

[0043] Now the file is encrypted, and only the holder of the secret key can unlock the file. Two more steps remain before the file is transmitted to the secure storage facility. First, the entire encrypted file is passed through a message authentication algorithm, which produces a hash (similar to the way the symmetrical encryption key was calculated, above) over the whole file. In this way, if any byte of the message file is corrupted in transmission, it will be discovered. The file is then encrypted using an asymmetrical cryptosystem under the user's private key, effectively signing the file.

[0044] Finally, identifying information is added to the (now doubly) encrypted file, and the file is encrypted again – this time, under the storage facility's public key. Now, observe the properties of the file thus created:

- The file is secure. Nobody but the storage facility can open the outer wrapper.
- The file is anonymous to casual observers. There is no identifying information outside of the outer wrapper.
- The file is signed. The storage facility can open the outer wrapper and discover an identifier of the party who claims to have created the file.
- The signature is irrefutable and cannot be repudiated. The storage facility can look up the public key of the party claiming to be the author of the file, and can attempt to open the middle wrapper. Inside, they will find an encrypted file and a hash of the file. If the calculated hash matches the given hash, then the photograph without question belongs to that party.
- Even after two wrappers have been removed, the picture is still secret. The storage facility keeps only encrypted files. They have no means of removing the final wrapper.

[0045] Should it become necessary to prove the authenticity of the photograph, the storage facility 138 can testify to all the above facts. Additionally, the originator of the photograph is the only one who can unlock the inner wrapper and produce the photograph. Finally, the photograph itself is steganographically marked, and this final information is clinching proof that the provenance of the photograph is accurate.

[0046] To return to the example wherein the picture is ready for transmission at this point, the wireless digital recorder (i.e. camera) attempts to connect to the server at the secure storage facility 138 or other recipients who have access the network (i.e. PDA's, other wireless digital devices) using any of a number of well-known wireless methods. Among these are data channels associated with IS-95 CDMA, IS-136 TDMA, CDPD, GSM as well as purely data paths such as 802.11b. The exact mechanism of data transmission is not germane.

[0047] However the data is transmitted, the storage facility 138 receives the triply-encrypted data file and performs the following steps:

- Remove the outer wrapper and extract an encrypted file and plain-text subscriber identification.
- Look up the subscriber information and recover his/her public key.
- Remove the middle wrapper using the public key to reveal an encrypted file and a hash value.
- Pass the encrypted file through a message digest algorithm to produce a computed hash.
- If the computed hash does not match the received hash, send a negative acknowledge and discard the file; otherwise…
- Calculate a message digest of (1) the received hash, (2) the time and date, and (3) a random number.
- Return an affirmative acknowledgment and a certificate containing the message digest calculated in (6), above.
- Store the encrypted photograph along with the received time and date and the random number produced in (6). In this way, if the certificate is ever challenged, the storage facility will be able to verify that it sent the certificate.

[0048] The user can also transmit these files over various networks to other recipients (PDA's, cell camera phones, "IP Addresses, E-mail to name a few) for their review and storage. However the users' unique identity and other certificates described in this document are embedded within the file(s).

[0049] The wireless digital recorder (i.e. camera), upon receipt of the certificate, transmits an acknowledgment and removes the photograph from its temporary store. The certificate can be stored or discarded – it is not required to retrieve the photograph. If stored, it becomes further evidence of the provenance of the photograph.

[0050] Image retrieval from the storage facility 138 is simple. At login, the storage facility presents a random string encrypted under the user's public key. The user must decrypt the string and re-encrypt it under the storage facility's public key. Only the holder of the secret key can do this and it proves beyond doubt to the storage facility that they are communicating with the owner of the photograph.

[0051] Once identity is established, the user can download any file from the storage facility. Once downloaded, the user can open the final wrapper and extract the image.

[0052] Again, this works for any kind of media file – photographs, images, music, audio spoken word, video, physical phenomena – anything. An obvious application would be in "black boxes" embedded in transportation facilities. Following an accident, information could be transmitted using the above schemes to a storage facility. Only authorized personnel could then retrieve the encrypted messages and return the data to cleartext form.

[0053] Some of the features provided by the system of the present disclosure are as follow:

- An apparatus for the purpose of recording image or other data in real time; indelibly marking the data with the date, time, location and information identifying the creator of the data; transmitting the data in real time to a storage facility; and receiving and verifying acknowledgment of the receipt of the data from the storage facility. The apparatus consists of an image-recording device or other data recording device, a geographical position and time-of-day determination device, a data processing unit and a communication device.
- Additionally the image-recording device is a digital camera.
- Additionally the image-recording device is a video camera.
- Additionally where the digital image capture device is an image scanner.
- Additionally the digital image capture device is a facsimile machine.

- Additionally the data-recording device is a digital voice recorder.
- Additionally the data-recording device is a real-time data acquisition system.
- Additionally the geographical position and time-of-day determination device is a GPS receiver.
- Additionally the data processing unit is a microcontroller.
- Additionally the data processing unit is a field-programmable gate array.
- Additionally the data processing unit is an application-specific integrated circuit.
- Additionally the communication device is a cellular telephone chipset.
- A method is also provided of recording images, sounds or other data and indelibly marking the images, sounds, or other data with the date, time, location, authentication certificate, and information identifying the creator of the data.
- The method further includes the step in which the authentication certificate is obtained by polling a certificate authority by means of the communication device.
- The method further includes the step in which the method of indelibly marking images is steganography.
- The method further includes the step in which the method of indelibly marking sounds is watermarking.
- Another method is provided of encrypting images and other data such that unauthorized parties cannot render the images and other data in usable form; the images and other data cannot be repudiated by the creator; and that date, time, location and creator metadata can be verified by third parties.
- The method further includes the step in which the image or other data is first compressed using a well-known compression algorithm, producing a compressed image or other data.
- The method further includes the step in which the compression algorithm is the Lempel-Ziv-Welch algorithm.
- The method further includes the step in which the compression algorithm is the JPEG algorithm.
- The method further includes the step in which the compression algorithm is the MPEG algorithm.
- The method further includes the step in which the compressed image or other data is encrypted under a symmetrical, single-key cryptosystem.

- The method further includes the step in which the cryptosystem is DES.
- The method further includes the step in which the cryptosystem is IDEA.
- The method further includes the step in which the cryptosystem is Triple-DES.
- The method further includes the step in which the cryptosystem is AES.
- The method further includes the step in which the image or other data, having been encrypted under the symmetrical cryptosystem, is then applied to a message digest algorithm.
- The method further includes the step in which the output data of the message digest algorithm are then appended to the symmetrically encrypted data.
- The method further includes the step in which the message digest algorithm is the Secure Hash Algorithm.
- The method further includes the step in which the image or other data, having been symmetrically encrypted and having a message digest appended is then further encrypted using an asymmetrical (public-key) algorithm.
- The method further includes the step in which the image or other data is encrypted using the creator's private key.
- The method further includes the step in which the asymmetrical algorithm is the RSA algorithm.
- The method further includes the step in which the image or other data, having been encrypted under the symmetrical algorithm and the asymmetrical algorithm, is then augmented with personal identifying information belonging to the creator of the data.
- The method further includes the step in which the personal identifying information is a serial number.
- The method further includes the step in which the image or other data, having been encrypted and with said personal identifying information appended is then further encrypted using a public-key encryption algorithm.
- A storage facility operation is also provided for the purpose of receiving and storing images, audio and other data from a multiplicity of information sources.
- The method further includes the step in which the encryption is performed under the public key belonging to the storage facility.
- The method further includes the step in which the public-key encryption algorithm is the RSA algorithm.

- The method further includes the step in which the image or other data encrypted according to the method of above under the public key belonging to the storage facility is then transmitted to the storage facility using a transmission medium.
- The method further includes the step in which the transmission medium is cellular digital packet data.
- The method further includes the step in which the transmission medium is a CDMA data channel.
- The method further includes the step wherein the storage facility verifies the origin of information received that has been transmitted according to the above methods.
- The method further includes the step in which the information received is decrypted under the private key belonging to the storage facility.
- The method further includes the step in which the decrypted information consists of an encrypted data set and identifying information.
- The method further includes the step in which the identifying information is used as an index into a database that contains the public encryption keys of all parties authorized to store information in the storage facility.
- The method further includes the step in which the identifying information is used to locate a unique public key contained in the data base of and belonging to the purported originator of the data.
- The method further includes the step in which the key obtained by the above methods is used to decrypt the encrypted data set of, creating a decrypted data set.
- The method further includes the step in which the decrypted data set consists of a symmetrically encrypted data set and a received message digest.
- The method further includes the step in which the symmetrically encrypted data set is presented to a message digest algorithm to produce a computed message digest.
- The method further includes the step in which the received message digest is compared to the computed message digest.
- The method further includes the step in which verification of the message is determined to be successful if the received message digest and the computed message digest are identical.
- The method further includes the step of transmitting an acknowledgment of receipt to the originator of the image or other data.

- The method further includes the step in which the acknowledgment of receipt consists of the received message digest encrypted under the private key of the storage facility and the public key of the originator.
- The method further includes the step in which the certificate authority is a public certificate authority.
- The method further includes the step in which the certificate authority is a private certificate authority.
- The method further includes the step in which the certificate authority is a government agency.
- The method further includes the step in which the time, date and location information is obtained from the GPS receiver.
- The method further includes the step in which the time, date and location information is derived from signaling obtained from the cellular telephone chipset .
- The method further includes the step in which the time, date and location information is derived directly from information contained in the MM layer of the mobile telephone service provider.
- The method further includes the step in which the time and date information is derived from a network time server.
- The method further includes the step where the secure server or image data repository is Data Base server.
- The method further includes the step where the secure server or image data repository is Web server.
- The method further includes the step where the secure server or image data repository is e-mail server.
- The method further includes the step where the secure server or image data repository is FTP server
- The method further includes the step for securely retrieving data stored at the storage facility.
- The method further includes the step in which the method is a challenge-response mechanism.

- The method further includes the step in which the request includes the identity of the requestor and the identity of the data set to be retrieved.
- The method further includes the step in which the storage facility creates a random bit stream as a challenge.
- The method further includes the step in which the storage facility determines the public key of the requestor by means of looking up the public key in the database.
- The method further includes the step in which the storage facility encrypts the random bit stream with the public key belonging to the requestor.
- The method further includes the step in which the storage facility transmits the encrypted random bit stream to the requestor.
- The method further includes the step in which the requestor decrypts the random bit stream using the private key corresponding to the public key under which the bit stream was encrypted.
- The method further includes the step in which the recovered random bit stream is then re-encrypted in the public key belonging to the storage facility.
- The method further includes the step in which the re-encrypted random bit stream is transmitted back to the storage facility.
- The method further includes the step in which the storage facility then decrypts the random bit stream using its private key.
- The method further includes the step in which the storage facility determines whether the requestor is authentic by comparing the random bit stream recovered from the response of the requestor and the random bit stream.
- The method further includes the step in which the storage facility transmits the requested data set only if the random bit streams match.
- The method further includes the step in which the method is biometric.
- The method further includes the step in which the storage facility sends a zero knowledge challenge to the requestor.
- The method further includes the step in which the requestor performs a biometric measurement to determine the response to the zero-knowledge challenge.
- The method further includes the step in which the requestor returns the requested data set only if some number of challenges is answered correctly.

- The method further includes the step in which the method is by means of a password or passphrase.
- The method further includes the step in which the method is by means of an electronic key or other electronic identification device.

[0054] With the disclosed system, this provides for a method of storing, cataloging, viewing, playback and printing of images, video, audio and photographs change as well. Instead of relying on photo finishers, anyone with an inexpensive printer can reproduce images, anyone with a CD reader/writer can reproduce audio, and anyone with a DVD player/recorder can reproduce both images and audio.

[0055] Additionally, instead of a fireproof safe, image, video, audio and photograph storage involves digital media. And, instead of couriers and the mail, transmitting images, video, audio and photographs from one place to another is likely to involve the Internet.

[0056] This new world of opportunities has its problems as well. Once images, video, audio and photographs are in the digital domain, there are opportunities to modify these so that it no longer represents the events that actually occurred. Digital cameras or other digital recorders at the time of this submission, typically include a clock of dubious accuracy that can, in any event, be set back or forward to make it seem as though an event occurred at a time other than the actual time of the event. And the metadata – the time, date, and location of the images, video, audio and photographs – is not stored using any secure method. Anyone knowledgeable in the field can modify the metadata to make the images, video, audio and photographs appear that it was taken at a time and place other than the real time and place.

[0057] Another problem solved with the system of the present disclosure is that of storage. For many users (photographers, musicians, forensic, video / audio personnel, governmental, military personnel, public service, professional and non professional personnel and others) the value of the images, video, audio and photographs taken far exceeds the value of the equipment used to take them. For these users, it is important that the images, video, audio and photographs themselves be transported to a secure location at the earliest possible opportunity. Digital recording devices (i.e. digital cameras and other digital recording devices) rely on memory cards

that contain non-volatile solid-state memory that, while robust for a solid-state device, is easily damaged by mechanical shock or static electricity. Unlike film, in which a defect may only cause a minor blemish in the image, a single defect in the memory card of a digital recording device may be enough to render all the information on the card useless.

[0058] It is noted that the images, video, audio and photographs not be disclosed to an unauthorized third party. While traditional analog film images, video and audio recordings can be physically locked into a secure facility, digital images, audio, and video reside on computers. These computers can be the subjects of network attacks and information on them can be compromised in two ways. First, a knowledgeable opponent can read information from an internet-connected computer – that is, an opponent can view images, video, audio and photographs he or she is unauthorized to view. Second, a knowledgeable opponent can obtain write permission and modify the images, video, audio and photographs in a way that is difficult to detect.

[0059] Finally, the user is provided the ability to attach, mix, and modify media files easily and indelibly mark each image, video, audio, photograph or media file as his or her own work, to eliminate the possibility of plagiarism and to provide a certificate authority while wirelessly transmitting said media files for secure storage or to another recipient or source.

[0060] In the days of film cameras (analog), security usually meant placing the negatives into a photo safe. Prints made from the negatives could be marked with an identifier that clearly indicated the pedigree of the photograph. Those who would use the photograph without permission of the owner would be subject to a copyright infringement suit – and it would be sufficient evidence in court for the user to produce the negatives and testifies that, in fact, he or she took the photographs.

[0061] With the advent of digital media and the proliferation of the Internet, images, video, audio, photographs and other forms of digital documents stored on digital computers are no longer secure.

[0062] This invention addresses all of these concerns. It provides a mechanism for recording, attaching, mixing, appending to, modifying images, video, audio and photographs, marking the images, video, audio and photographs indelibly with a provable time, date, location and identity of the individual taking the images, video, audio and photographs. It then provides a means to transport the images, video, audio and photographs to a secure, off-site storage facility and to obtain positive confirmation that the transmission occurred error-free. It provides a method for securely rendering the image, video, and audio and photograph useless to anyone but the original user. Finally, it provides the ability to demonstrate, with legal certainty, that the image, video, audio and photograph was taken at the location and at the time indicated, and that the image or audio file has not been altered, as well as, tracks ongoing changes made by the originator or other user identities within the original file.

[0063] Although the preferred embodiment has been described in detail, it should be understood that various changes, substitutions and alterations can be made therein without departing from the spirit and scope of the invention as defined by the appended claims.

WHAT IS CLAIMED IS

1. An apparatus for recording image or other data in real time, comprising:

a capture device for capturing the image or other information;

a local verification device for indelibly marking the captured image or other information with the date, time, location and information identifying the creator of the data;

a transmitter for transmitting the locally verified captured image or other information in real time to a secure storage facility; and

said capture device receiving and verifying acknowledgment of the receipt of the transmitted locally verified captured image or other information to the storage facility.

ABSTRACT

A cell phone is disclosed for acquiring information to be transmitted to a receiving facility and for transmitting such thereto. A capture device captures information from an external source. A processor is provided for associating with the captured information a representation of the date and time of the capture of the information, such that the representation of the date and time information in association with the captured information forms augmented captured information. The processor also places the augmented captured information in association with subscriber information in a transmission of the augmented captured information to a receiving facility requiring such subscriber information. A transmitter transmits the transmission including the augmented captured information and the subscriber information to the receiving facility. An encryptor encrypts the augmented captured information with a symmetrical encryption algorithm to provide encrypted augmented captured information in the transmission with the subscriber information.

Electronic Acknowledgement Receipt

EFS ID:	36902850
Application Number:	16543293
International Application Number:	
Confirmation Number:	9008
Title of Invention:	SYSTEM FOR EMBEDDING SEARCHABLE INFORMATION, ENCRYPTION, SIGNING OPERATION, TRANSMISSION, STORAGE AND RETRIEVAL
First Named Inventor/Applicant Name:	MICHAEL F. MALONE
Customer Number:	25883
Filer:	Gregory Michael Howison/Joselyn Rodriguez
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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	Power of Attorney	MPO34712POAEXE.pdf	1483423 daa44cdfebaf80265a706014215f05a3143c30a7	no	2
Warnings:					

Information:					
2	Drawings-only black and white line drawings	MPO34712FRMLDWGS.pdf	724052 3f93550411d58136be885a2066a9cd8f452184a3	no	8
Warnings:					
Information:					
3	Application Data Sheet	MPO34712ADS.pdf	1227448 e055c216c4f99bec28a9780af369d4c7e54658bf	no	9
Warnings:					
Information:					
4	Oath or Declaration filed	MPO34712ASSMTSEXE.pdf	115880 561cf62331a489e53808354e3562027bd73c1611	no	3
Warnings:					
Information:					
5	Oath or Declaration filed	MPO34712DECMaloneEXE1.pdf	1175297 8752b9c8b2ad8b7d28615436d8a249f3c6c7b30c	no	1
Warnings:					
Information:					
6		MPO34712CONAPP.pdf	154496 f6176c29932a738e44f92652e51994b111c52c51	yes	29

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Specification	1	27
	Claims	28	28
	Abstract	29	29

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Total Files Size (in bytes):	4880596

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New International Application Filed with the USPTO as a Receiving Office

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