

Search query (14): [SP]: automation of image validation an automated process to determine whether an image has been modified includes receiving an image (e.g., via a web portal), requesting an image validation service to analyze the image to determine whether the image and/or a subject depicted in the image, has been modified from its original form and, based on the analysis of the image validation service, outputting a likelihood that the image has been modified. the image validation service may analyze the image using one or more operations to determine a likelihood that the image has been modified, and provide an indication of the likelihood that the image has been modified to the web portal. the indication of the likelihood that the image has been modified may be presented on a display via the web portal, and various actions may be suggested or taken based on the likelihood that the image has been modified.

Results: 7

1) Family number: 57265061 (US2014244458A)

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Title: SYSTEM AND METHOD FOR PREDICTION OF VALUE ADDED TAX RECLAIM SUCCESS

Priority: US20130769786P 20130227 US20130769800P 20130227 US20130820795P 20130508
 US20130917373P 20131218 WO2014IL50201 20140227 WO2014IL50200 20140227
 US20140272825 20140508 US20140575115 20141218 US20150836230 20150826
 US20150836238 20150826 US20170445249P 20170112 US20180869735 20180112

Family:	Publication number	Publication date	Application number	Application date
	BR112015020146 A2	20170718	BR20151120146	20140227
	CN105074756 A	20151118	CN201480010734	20140227
	DE112014001006 T5	20151126	DE201411001006T	20140227
	DE112014001016 T5	20151203	DE201411001016T	20140227
	GB201514813 A0	20151007	GB20150014813	20140227
	GB201515229 A0	20151014	GB20150015229	20140227
	GB2525365 A1	20151021	GB20150015229	20140227
	GB2525365 A8	20151028	GB20150015229	20140227
	GB2530653 A1	20160330	GB20150014813	20140227
	IN08163DN2015 A	20160722	IN2015DN08163	20150909
	JP2016527572 T2	20160908	JP20150558607T	20140227
	JP6559573 B2	20190814	JP20150558607T	20140227
	US2014244458 AA	20140828	US20140272825	20140508
	US2015106247 AA	20150416	US20140575115	20141218
	US2015363893 AA	20151217	US20150836230	20150826
	US2015363894 AA	20151217	US20150836238	20150826
	US2018137578 AA	20180517	US20180869735	20180112
	WO14132255 A1	20140904	WO2014IL50200	20140227
	WO14132256 A1	20140904	WO2014IL50201	20140227

Probable Assignee: VATBOX LTD

Assignee(s):(std): GUZMAN NOAM ; GUZMAN NOAM AND SAFT ISAAC ; SAFT ISAAC ; VATBOX LTD ; SAFT ISAAC AND GUZMAN NOAM

Assignee(s): SILICON VALLEY BANK ; ISAAC SAFT ; NOAM GUZMAN

Inventor(s):(std): ISAAC SAFT ; NOAM GUZMAN ; GUZMAN NOAM ; SAFT ISAAC

Agent(s): SOGA MICHIHARU; AGASSI OR; OR AGASSI

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): G06K9/00 G06Q10/10 G06Q20/00 G06Q20/40 G06Q30/00 G06Q30/04 G06Q40/00 (Advanced/Invention)

CPC: G06Q40/10 G06Q10/10 G06Q20/401 G06K9/00469 G06K9/2072 G06Q20/00 G06Q30/04 G06Q40/123

US class: 1/1 705/31

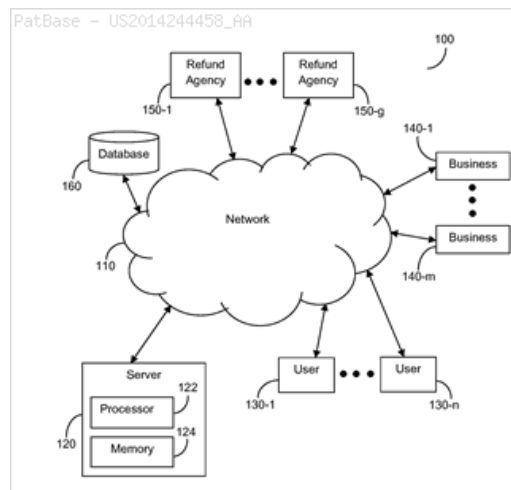
[Classification Explorer](#)

Cited documents: WO11147914 A1, WO11147912 A1, WO11147912, WO06022589 A1, WO03036536 A1, WO03036536, US7769695 BB, US6546373 BA, US2013346142 AA, US2011125561 AA, US2011081051 AA, US2011016043 AA, JP2012519889 T2, JP2012519889 T2, JP2012519889, JP2004213167 A2, JP2004213167, JP2002535755 T2, JP2002535755 T2, JP2002535755, CN1542662 A, CN101848452 A,

Forward Citations: WO19218745, WO18217891, WO18132657, WO18132656, WO18132655, WO18111410, WO17222846, WO17201012, WO17142618, WO17041088, WO16112108, US2017154027, US2015127534, US10387561, US10235723, US10019740, TWI621083, JP2018506087, GB2565014, GB2548734,

Abstract:

A method and system for predicting a likelihood of success of a potential value-added tax (VAT) reclaim are provided. The method includes receiving at least one VAT receipt; analyzing the at least one VAT receipt; retrieving information respective of likelihood of success respective of the VAT receipt analysis; and determining the likelihood of success of the potential VAT reclaim.



2) Family number: 47098251 (US2010259777A)

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Title: IMAGE FORMING APPARATUS, IMAGE FORMING METHOD, AND STORAGE MEDIUM
Priority: JP20090095124 20090409
Family:

Publication number	Publication date	Application number	Application date
CN101859388 A	20101013	CN201010144500	20100409
CN101859388 B	20130102	CN201010144500	20100409
JP2010246027 A2	20101028	JP20090095124	20090409
US2010259777 AA	20101014	US20100755297	20100406
US8451462 BB	20130528	US20100755297	20100406

Probable Assignee: CANON INC
Assignee(s):(std): CANON KK ; SUZUKI RYOUSUKE
Assignee(s): CANON INC ; CANON K K ; CANON KABUSHIKI KAISHA
Inventor(s):(std): SUZUKI RYOUSUKE ; RYOUSUKE SUZUKI ; SUZUKI RYOSUKE
Agent(s): CANON USA INC INTELLECTUAL PROPERTY DIVISION; CANON U S A INC IP DIVISION; CANON USA INC IP DIVISION

International class (IPC 8-9): G03G21/04 G06F15/00 G06K15/02 G06K9/20 G06T1/00 H04N1/387 H04N1/40 (Advanced/Invention); G06K1/00 (Advanced/Non-invention)

CPC: G06K2209/01 G06K9/2063

European class: G06K9/20R1

US class: 358/1.1 358/1.11 358/1.110P 358/1.13 358/1.9

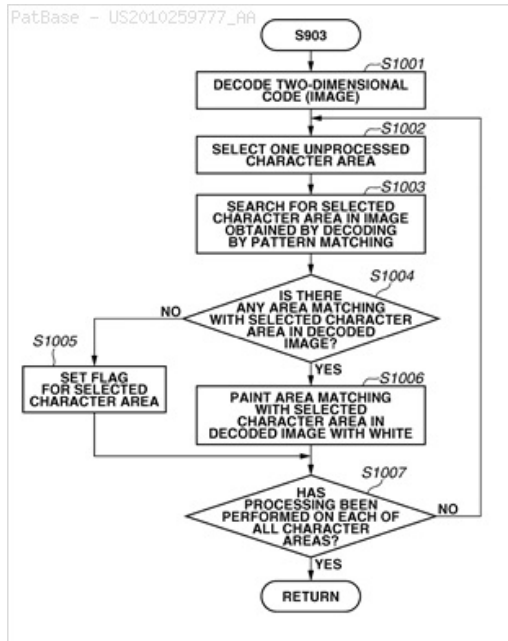
[Classification Explorer](#)

Cited documents: US7440143 BB, US2008267517 AA, US2007217852 AA, US2006053137 AA, US2003169456 AA, JP2008227930 A2, JP2008191703 A2, JP2007296742 A2, JP2004013287 A2, JP2003264685 A2, CN1849813 A, CN101159807 A,

Forward Citations: WO14194800, US9497486, US9378428, US9053359, US2017372322, US2016055552, US2015169973, US2014376828, US2013329965, RU2641452, JP6468105, JP5934174, JP2017027142, JP2014131278, CN106529637, CN104463412, CN103914509, CN103914509, CN103714355, CN103714355, CN103295044, CN103295044, CN102779115,

Abstract:

An apparatus includes a specification unit configured to specify character information included in document data, a generation unit configured to generate image data of the specified character information, a conversion unit configured to convert the generated image data or a parity value of the generated image data into a two-dimensional code, and a printing unit configured to print a printed matter in which the two-dimensional code is combined with the document data, wherein a size of the generated image data is smaller than a size of image data of the document data.



3) Family number: 29050347 (US2003169456A)

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Title: TAMPERING JUDGEMENT SYSTEM, ENCRYPTING SYSTEM FOR JUDGEMENT OF TAMPERING AND TAMPERING JUDGEMENT METHOD

Priority: JP20020062934 20020308

Family:	Publication number	Publication date	Application number	Application date
	JP2003264685 A2	20030919	JP20020062934	20020308
	JP3804012 B2	20060802	JP20020062934	20020308
	US2003169456 AA	20030911	US20020303911	20021126
	US7440143 BB	20081021	US20020303911	20021126

Probable Assignee: OKI DATA CORP

Assignee(s):(std): OKI ELECTRIC IND CO LTD

Assignee(s): OKI ELECTRIC INDUSTRY CO ; OKI ELECTRIC INDUSTRY CO LTD ; SUZAKI MASAHIKO ; OKI DATA CORP ; OKI ELECTRIC IND ; OKI ELECTRIC IND CO

Inventor(s):(std): SUZAKI MASAHIKO

Agent(s): VENABLE LLP; SARTORI MICHAEL A; VOORHEES CATHERINE M; CATHERINE M; MICHAEL A

International class (IPC 8-9): B41J29/38 B41J5/30 G06T1/00 G09C1/00 G09C5/00 H04N1/387 H04N1/40 (Advanced/Invention); G09C3/00 (Advanced/Non-invention); B41J29/38 B41J5/30 G06T1/00 G09C1/00 G09C5/00 H04N1/387 H04N1/40 (Core/Invention); G09C3/00 (Core/Non-invention)

International class (IPC 1-7): B41J29/38 B41J5/30 G06K15/02 G06K9/46 G06T1/00 G06T7/00 G09C5/00 H04N1/387

CPC: H04L9/0861 G06T1/0028 G06T2201/0051 G06T2201/0061 G09C5/00

European class: G06T1/00W G06T1/00W2 G09C5/00 H04L9/08 S06T201/0051 S06T201/0061

US class: 358/3.28 358/3.280P 380/55 380/55S 382/100 382/100S 382/19 382/190 382/190S

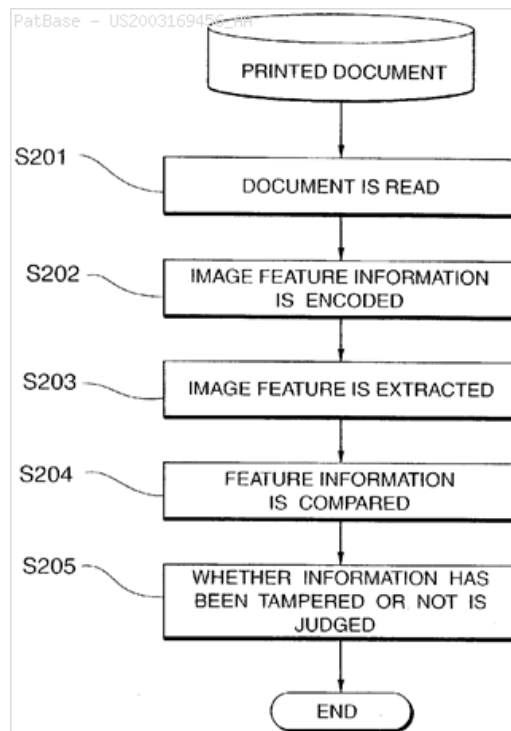
[Classification Explorer](#)

Cited documents: US7159177 BB, US7159117 BB, US6859545 BA, US6813367 BA, US6700990 BA, US6345104 BA, US6085323 A, US5948103 A, US2002051577 AA, JP9179494 A2, JP9154007 A2, JP2002044429 A2, JP2001309157 A2, JP2001078070 A2, JP11327438 A2,

Forward Citations: WO06059681, WO06035677, WO05081514, US9940572, US9922389, US9904888, US9378206, US9152810, US9094204, US9047586, US8950662, US8528817, US8451462, US8282001, US8181850, US8157173, US8038073, US8018635, US7942328, US7934641, US7798417, US7783080, US7706026, US7628318, US7328847, US7309017, US2017372322, US2016132985, US2013251143, US2011127321, US2011096984, US2010259777, US2010046753, US2008260200, US2008017714, US2007246538, US2007165257, US2007086060, US2007019260, US2007016789, US2006210193, US2005053236, US2004148261, US2004134994, US10482303, US10387703, US10380601, US10332243, US10235597, US10061958, JP5600973, JP5347646, JP5343659, JP4426617, JP4319157, JP4088717, JP3999778, JP3812744, JP2011188418, JP2010233151, JP2010233150, JP2008211769, JP2007053644, JP2006245980, JP2006101161, JP2005198158, JP2005142971, CN100464564,

Abstract:

A tampering judgement system is provided which is capable of easily checking whether or not a printed document has been tampered. An image feature information extracting section extracts image feature information from a document image. An image feature information embedding section gives image feature information integrally as original image feature information to a document and a document image output section outputs the information as a printed document. When the printed document is given to the tampering judgement system, the image data is read by a document image reading section. An image feature information extracting section extracts image feature information contained in a document being an object for judgement on tampering. An embedding information extracting section extracts original image feature information from image data. A judging section compares original feature information with image feature information contained in the printed document and if a difference between them exceeds a predetermined threshold value, the document is judged to have been tampered.



4) Family number: 68007410 (US2017372322A)

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Title: AUTOMATION OF IMAGE VALIDATION

Priority: US20160189823 20160622 WO2017US36935 20170612

Family:

Publication number	Publication date	Application number	Application date
AU2017280904 AA	20181122	AU20170280904	20170612
BR112018074017 A2	20190226	BR20181174017	20170612
CA3023500 AA	20181106	CA20173023500	20170612
CL2018003612 A1	20190322	CL20180003612	20181214
CN109417547 A	20190301	CN201780039073	20170612
CO20180013670 A2	20181228	CO20180013670	20181217
EP3476092 A1	20190501	EP20170731748	20170612
ID201901853 A	20190315	ID2018P0010654	20170612
IL263637 A0	20190131	IL20170263637	20170612
IN201847044519 A	20181214	IN201847044519	20181126
JP2019520647 T2	20190718	JP20180563723T	20170612
KR20190021245 A	20190305	KR20187037023	20170612
MX2018015621 A1	20190306	MX20180015621	20170612
PH2018550190 A	20190909	PH20180550190	20181112
SG11201810889Q A1	20190130	SG20181110889	20170612
US2017372322 AA	20171228	US20160189823	20160622
WO17222846 A1	20171228	WO2017US36935	20170612

Probable Assignee: MICROSOFT CORP

Assignee(s):(std): MICROSOFT CORP ; MICROSOFT TECH LICENSING LLC ; MICROSOFT TECHNOLOGY LICENSING LLC

Assignee(s): MOREY JAMES DAVID ; MOWER JOHN ; WINDSOR MONTE ; RAMSAY GRAHAM ; GOMEZ SUAREZ FEDERICO ; KHAN FARHAN ; MENDOZA PHILLIP WADE

Inventor(s):(std): MOREY JAMES DAVID ; MOWER JOHN ; GOMEZ SUAREZ FEDERICO ; MENDOZA PHILLIP WADE ; KHAN FARHAN ; RAMSAY GRAHAM ; WINDSOR MONTE ; JAMES DAVID MOREY ; PHILLIP WADE MENDOZA ; MONTE WINDSOR ; FEDERICO GOMEZ SUAREZ ; FARHAN KHAN ; JOHN MOWER ; GRAHAM RAMSAY

Agent(s): DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; ESTUDIO VILLASECA Y CIA; CMS CAMERON MCKENNA NABARRO OLSWANG LLP; LANNY SETIAWAN MBA MGMT MA LPC MA LMFT; ONO SHINJIRO; YAMAMOTO OSAMU; MIYAMAE TORU; NAKANISHI MOTOHARU; NAKAMURA SHOGO; MINHAS SANDIP ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

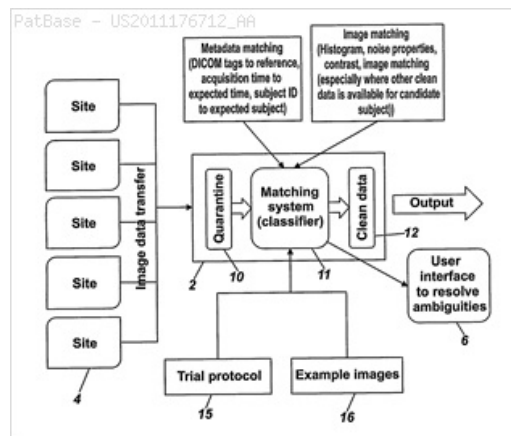
International class (IPC 8-9): G06K19/06 G06K9/00 G06K9/40 G06K9/62 G06K9/64 G06Q G06Q30/00 G06Q30/02 G06Q30/06 G06Q50/10 G06T7/00 H04L29/06 (Advanced/Invention); G06K19/06 G06Q30/00 G06T7/00 (Advanced/Non-invention); G06Q (Subclass/Invention)

International class (IPC 1-7): G06K19/06 G06T7/00 H04L29/06

CPC: G06K9/00442 G06K9/40 G06K9/6277 G06K2209/01 G06Q30/01 G06Q30/012 G06Q30/016 G06Q30/0205 H04L63/123 G06K9/64 G06Q30/018 G06Q30/0225 G06Q30/0607 G06T7/00

US class: 1/1 382/218

Classification Explorer



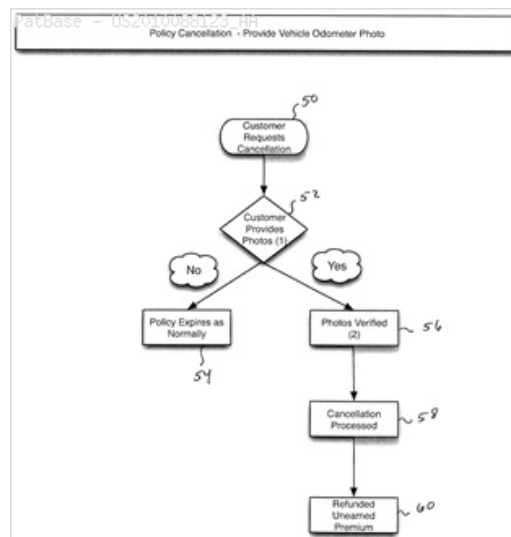
6) Family number: 44868718 (US2010088123A)

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Title:	METHOD FOR USING ELECTRONIC METADATA TO VERIFY INSURANCE CLAIMS																			
Priority:	US20080103363P 20081007		US20090365047 20090203																	
Family:	<table><tr><th>Publication number</th><th>Publication date</th><th>Application number</th><th>Application date</th></tr><tr><td>US2010088123 AA</td><td>20100408</td><td>US20090365047</td><td>20090203</td></tr><tr><td>US9818157 BB</td><td>20171114</td><td>US20090365047</td><td>20090203</td></tr><tr><td>WO10042608 A1</td><td>20100415</td><td>WO2009US59824</td><td>20091007</td></tr></table>				Publication number	Publication date	Application number	Application date	US2010088123 AA	20100408	US20090365047	20090203	US9818157 BB	20171114	US20090365047	20090203	WO10042608 A1	20100415	WO2009US59824	20091007
Publication number	Publication date	Application number	Application date																	
US2010088123 AA	20100408	US20090365047	20090203																	
US9818157 BB	20171114	US20090365047	20090203																	
WO10042608 A1	20100415	WO2009US59824	20091007																	
Probable Assignee:	MILEMETER INC																			
Assignee(s):(std):	BRYANT WILLIAM D ; GAY CHRISTOPHER E ; MCCALL THOMAS A ; MILEMETER INC ; RINEY JOHN W S ; STATE FARM MUTUAL AUTOMOBILE INSURANCE CO																			
Assignee(s):	RINEY JOHN WS																			
Inventor(s):(std):	GAY CHRISTOPHER E ; RINEY JOHN W S ; BRYANT WILLIAM D ; MCCALL THOMAS A																			
Inventor(s):	RINEY JOHN WS																			
Agent(s):	FELLERS SNIDER BLANKENSHIP,BAILEY AND TIPPENS; FELLERS SNIDER BLANKENSHIP BAILEY AND TIPPENS; MARSHALL GERSTEIN AND BORUN LLP; RANDALL G; WOODRAL DAVID G																			
Designated states:	AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW																			
International class (IPC 8-9):	G06F17/30 G06Q20/32 G06Q40/00 G06Q40/08 G06Q50/00 (Advanced/Invention); G06F19/00 G06Q10/10 G06Q20/38 G06Q30/02 G06Q30/06 G06Q50/22 (Advanced/Non-invention); G06F17/30 G06Q40/00 G06Q50/00 (Core/Invention)																			
CPC:	G06F19/321 G06F19/328 G06Q10/101 G06Q20/3276 G06Q20/387 G06Q30/02 G06Q30/06 G06Q40/00 G06Q50/22 G06Q40/08 G16H10/60 G16H40/20																			
European class:	G06Q40/08																			
US class:	705/4 705/4P 707/E17.001 707/E17.001S																			
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Forward Citations:																				

Abstract:

A method includes receiving a digital file from a customer, extracting metadata from the file, and verifying the metadata prior to accepting the digital file. The method may include verifying that a representation of a required physical token appears in the digital file.



7) Family number: 59212897 (US2015213324A)

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Title: PHOTO FORENSICS USING IMAGE SIGNATURES
Priority: US20120641636P 20120502 US20130782032 20130301 US20150681983 20150408
Family:

Publication number	Publication date	Application number	Application date
US2015213324 AA	20150730	US20150681983	20150408
US9031329 BA	20150512	US20130782032	20130301

Probable Assignee: TRUEPIC ANALYZE LLC
Assignee(s):(std): FOURANDSIX TECHNOLOGIES INC
Assignee(s): TRUEPIC ANALYZE LLC
Inventor(s):(std): CONNOR KEVIN ; FARID HANY
Agent(s): VAN PELT YI AND JAMES LLP
International class G06K9/62 G06K9/68 (Advanced/Invention)
(IPC 8-9):
CPC: G06K2009/00583 G06K2209/27 G06K9/6202 G06K9/00577
US class: 382/209 382/218

[Classification Explorer](#)

Cited documents: US9031329 BA, US8160293 BA, US2012087589 AA,
Forward Citations: WO17222846, WO17023896, US9934434, US9621565, US2016241627, US2015213324, US10382835, US10375050, US10361866, US10360668, US10346852, US10331884, US10291911, US10290005, US10277656, US10192140, US10095877, US10043073, US10037537, EP3332505,

Abstract:
 Evaluating an image is disclosed. A plurality of attributes of the image is analyzed. A determination is made that a portion of the attributes of the image imperfectly matches a reference attribute signature corresponding to a device. It is distinguished whether the imperfect match likely corresponds to a modification of the image.

