

Nicolas Vargas

1) Family number: 28439250 (US2003154141A)

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Title: **IMAGE** RECOGNITION INVENTORY MANAGEMENT SYSTEM

Abstract: Source: US2003154141A A method and system that includes a microprocessor device with memory adapted to receive input corresponding to a report at an instant of time of an amount of **product** in a **product display** in a business, and further adapted to store the data in the memory. The method and system also include a central computer for receiving and processing the data from the microprocessor device so that the computer is configured to create a **planogram** which optimizes the **display** of the **product** by maximizing the amount of desired **product** and minimizes the amount of undesired **product** to be **displayed**. The central computer further contacts **product** suppliers so that the quantity of supplied **product** always meets the requirements of the **planogram**.

Classifications:

International (IPC 8-9): G06Q10/00 G06Q10/08

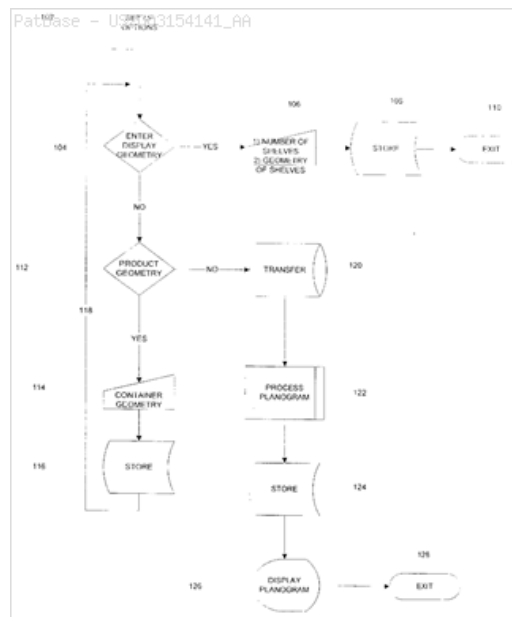
G06Q30/00 (Advanced/Invention)

International (IPC 1-7): G06F153/00 G06F17/60

CPC: G06Q10/087 G06Q30/02 G06Q30/0601

European: G06F17/60B2 G06F17/60C4 G06Q10/087 G06Q30/02 G06Q30/0601

US: 705/26.1 705/26.100P 705/27 705/27P



Family:

Publication number	Publication date	Application number	Application date
AU2002331437 AA	20030401	AU20020331437	20020918
CA2460892 AA	20040318	CA20022460892	20020918
EP1436742 A1	20040714	EP20020766952	20020918
US2003154141 AA	20030814	US20020246384	20020918
WO03025805 A1	20030327	WO2002AU01276	20020918
WO03025805 C2	20031002	WO2002AU01276	20020918

Priority:

US20010323397P 20010918

US20020246384 20020918

WO2002AU01276 20020918

Probable Assignee: PRO CORP HOLDINGS INT LTD

Assignee(s): (std): PRO CORP HOLDINGS INT LTD ; PRO CORP HOLDINGS INTERNAT LTD ; CAPAZARIO MARIO J ; RUBIN JEFFREY D

Assignee(s): PRO CORP HOLDINGS INT ; PRO CORP HOLDINGS INTERNATIONAL LIMITED ; PRO CORP HOLDINGS INTERNATIONAL LTD

Inventor(s): (std): CAPAZARIO MARIO ; CAPAZARIO MARIO J ; RUBIN JEFFREY ; RUBIN JEFFREY D

Agent(s): GRIFFITH HACK; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

2) Family number: 29777108 (US2003115591A)

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Title: SYSTEM AND METHOD FOR VERIFYING CONTENT **DISPLAYED** ON AN ELECTRONIC VISUAL **DISPLAY**

Abstract: Source: US2003115591A A system and method for providing multiple levels of verification of **displaying** visual content on an electronic visual **display**. One embodiment includes a method that **displays** a visual verification code signal in relation to a visual content signal representative of the visual content **displayed** on the electronic visual **display**. The visual verification code signal is sensed as **displayed** by the electronic visual **display**, and, based thereon, the verification code is determined and verification of the **display** of the visual content on the electronic visual **display** is performed. The visual verification code signal may be **displayed** in different colors to verify the operation of the electronic visual **display** with

respect to color and intensity.

Classifications:

International (IPC 8-9): G06F13/00 G06F15/16 G06F17/60 G06F3/00 G06F7/00 G06Q10/00 G06Q30/00 G06Q30/02 G06Q30/06 G06T1/00 G09F5/00 G09G5/00 H02K1/27 H02K1/28 H04H1/00 H04H20/14 H04H20/53 H04H20/74 H04H40/90 H04H60/06 H04H7/00 H04M15/00 H04N5/445 H04N7/025 H04N7/10 H04N7/16 H04N9/00 (Advanced/Invention); G06F3/038 G06K9/00 G06Q30/00 G08B21/00 H04H60/48 H04H60/59 H04N17/00 H04N17/02 H04N5/445 H04N7/16 H04N7/18 (Advanced/Non-invention);

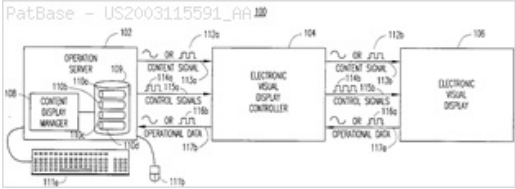
G06F15/16 G06F7/00 G06Q30/00 G06T1/00 H04H1/00 H04H20/12 (Core/Invention); G06F3/033 G06K9/00 G08B21/00 H04N7/16 H04N7/18 (Core/Non-invention)

International (IPC 1-7): B29C47/00 B29C47/06 B29C70/06 B32B27/08 G06F13/00 G06F15/16 G06F17/60 G06F3/00 G06F7/00 G09G5/00 H04B H04B7/185 H04H9/00 H04M15/00 H04N5/445 H04N7/025 H04N7/10 H04N7/16

CPC: H02K1/2773 G06Q30/0248 G06Q30/0277 G06Q30/0633 G06Q30/0641 H04H20/74 G06Q30/02 H04H20/53 Y10S715/962 G06Q30/0276 H04N21/41415 H04N21/812 G06Q40/12 H04H60/06 G06Q30/0264 G06Q30/0268 G06Q30/0273 H04H20/103 H04H40/90 G06Q30/0241 G06Q30/0242 G06Q30/0244 H04H60/48 H04H60/59

European: G06Q30/02 G06Q30/0241 G06Q30/0242 G06Q30/0244 G06Q30/0248 G06Q30/0264 G06Q30/0268 G06Q30/0273 G06Q30/0277 G06Q30/0633 G06Q30/0641 G06Q40/04 G06Q40/10 H02K1/27B2C5E2R H04H1/00S H04H20/10 H04H20/10A H04H20/53 H04H20/60 H04H20/74 H04H20/744 H04H20/74 H04H40/20 H04H40/90 H04H60/06 H04H7/00 T04H307/00S T04H60/42 T04H60/467 T04H60/48 T04H60/59

US: 310/156.19 310/156.190P 310/156.55 310/156.59 340/540 340/540S 345/204 345/501 345/501P 345/790 348/180 348/189 348/584 348/61 375/240.01 382/325 705/1 705/1.1 705/1.100S 705/14 705/14.4 705/14.41 705/14.43 705/14.47 705/14.470S 705/14.61 705/14.610P 705/14.65 705/14.650S 705/14.69 705/14.690P 705/14.690S 705/14.73 705/14.730S 705/26 705/26.1 705/26.8 705/27 705/27.1 705/27.100P 705/30 705/30P 705/37 709/200 709/200P 709/217 709/217P 715/790 715/962 725/110 725/14 725/22 725/22P 725/32 725/32S 725/36 725/36S 725/42 725/6 725/60 725/60S 725/82 725/82S 725/9



Family:

Publication number	Publication date	Application number	Application date
AR037861 AA	20041209	AR2002P104891	20021216
AR038793 AA	20050126	AR2002P103919	20021018
AU2002361766 AA	20030630	AU20020361766	20021216
AU2002363713 AA	20030526	AU20020363713	20021017
CA2502676 AA	20050414	CA20022502676	20021017
CA2510642 AA	20050616	CA20022510642	20021216
CL2002002392 A1	20040514	CL20020002392	20021017
CL2002002895 A1	20040206	CL20020002895	20021217
EP1446755 A2	20040818	EP20020803159	20021017
EP1446755 A4	20091223	EP20020803159	20021017
MXPA04003661 A1	20050620	MX2004PA03661	20021017
TW200403940 A	20040301	TW20020136261	20021216
US2003115591 AA	20030619	US20020265512	20021003
US2003229549 AA	20031211	US20020277218	20021017
US2005060362 AA	20050317	US20040866517	20040612
US2005075929 AA	20050407	US20040866533	20040612
US2007130023 AA	20070607	US20060600498	20061116
US2010023402 AA	20100128	US20090483978	20090612
US2010023403 AA	20100128	US20090483984	20090612
US2010045681 AA	20100225	US20090549139	20090827
US2010280907 AA	20101104	US20100776147	20100507
US2011112942 AA	20110512	US20110007112	20110114
US2011209171 AA	20110825	US20110099175	20110502
US2011227441 AA	20110922	US20110052807	20110321
US2011289184 AA	20111124	US20110052640	20110321
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US7742950 BB	20100622	US20060600498	20061116
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US7937723 BB	20110503	US20090549139	20090827
US8315913 BB	20121120	US20110052640	20110321
US8487496 BB	20130716	US20110052807	20110321
WO03043204 A2	20030522	WO2002US33391	20021017
WO03043204 A3	20040212	WO2002US33391	20021017
WO03052734 A1	20030626	WO2002US40474	20021216

Priority:

US20010330224P 20011017	US20010341626P 20011217	US20020265512 20021003
US20020277218 20021017	US20090483978 20090612	US20060600498 20061116
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US20090549139 20090827	US20100776147 20100507	US20110007112 20110114
US20110099175 20110502	US20110052640 20110321	US20110052807 20110321

Probable Assignee: DRS POWER TECHNOLOGY INC

Assignee(s): (std): AMADIO MARTIN ; AMADIO MARTIN A ; AUTOMATED MEDIA SERVICES INC ; DRS POWER TECHNOLOGY INC ; GOLDRING PETER ; GOLDRING PETER G ; IFRIM COSTIN ; KIRSHENBAUM STANLEY ; LUNGHI JOHN J ; WOLINSKY ROBERT I ; WEISSMUELLER JR WILLIAM ROBERT ; TELL ERNEST LAWRENCE ; POTHIER MICHAEL ; O LEARY ART ; SMITH JAMES S

Assignee(s): WEISSMUELLER WILLIAM ROBERT JR ; NEXT SOLUTIONS LLC

Inventor(s): (std): AMADIO MARTIN A ; GOLDRING PETER G ; KIRSHENBAUM STANLEY ; TELL ERNEST LAWRENCE ; WOLINSKY ROBERT I ; WEISSMUELLER JR WILLIAM ROBERT ; SMITH JAMES S ; POTHIER MICHAEL ; PETER G GOLDRING ; O LEARY ART ; IFRIM COSTIN ; WEISSMUELLER WILLIAM ROBERT JR ; WEISSMUELLER WILLIAM ROBERT ; TELL ERNEST LAWRENCE ; LUNGHI JOHN J ; GOLDRING PETER ; AMADIO MARTIN

Inventor(s): ERNEST LAWRENCE TELL ; LUNGHI JOHN ; WILLIAM ROBERT JR WEISSMUELLER ; MARTIN A AMADIO ; LAWRENCE TELL ; O'LEARY ART ; ROBERT I WOLINSKY ; STANLEY KIRSHENBAUM ; WOLINSKY ROBERT

Agent(s): ; WEISSMULLER WILLIAM ROBERT ; WEISSMULLER WILLIAM TELLE ERNEST LAWRENCE
SMART AND BIGGAR; TRANSGLOBO; HARNECKER; GERALD T WELCH ESQ PATTON BOGGS LLP;
PATTON BOGGS LLP; SONNENSCHN NATH AND ROSENTHAL LLP; SNR DENTON US LLP; KILPATRICK
TOWNSEND AND STOCKTON LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK
DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ
LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD
SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

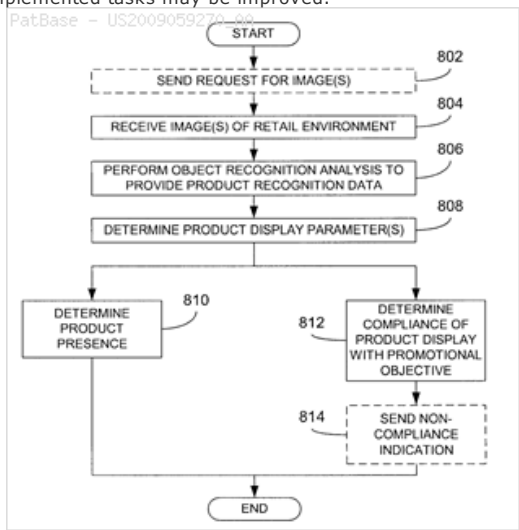
3) Family number: 42976346 (US2009059270A) © PatBase

Title: **PLANOGRAM** EXTRACTION BASED ON **IMAGE** PROCESSING

Abstract: Source: US2009059270A **Image** analysis techniques, including object recognition analysis, are applied to **images** obtained by one or more **image** capture devices deployed within inventory environments. The object recognition analysis provides object recognition data (that may include one or more recognized **product** instances) based on stored **product** (training) **images**. In turn, a variety of functionalities may be enabled based on the object recognition data. For example, a **planogram** may be extracted and compared to a target **planogram**, or at least one **product display** parameter for a **product** can be determined and used to assess presence of the **product** within the inventory environment, or to determine compliance of **display** of the **product** with a promotional objective. In yet another embodiment, comparisons may be made within a single **image** or between multiple **images** over time to **detect** potential conditions requiring response. In this manner, efficiency and effectiveness of many previously manually-implemented tasks may be improved.

Classifications:

International (IPC 8-9): G06F15/18 G06F17/50 G06F3/12 G06F3/14
G06F7/08 G06K7/10 G06K9/00 G06K9/46 G06K9/62 G06K9/68
G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q20/32
G06Q30/00 G06Q30/02 G06Q30/06 G06Q90/00 (Advanced/Invention);
G06Q10/00 G06Q99/00 (Advanced/Non-invention);
G06F15/18 G06F3/12 G06K9/78 G06Q10/00 (Core/Invention)
CPC: G06Q10/087 G06Q30/06 G06Q20/203 G06K9/00 G06Q10/0875
G06Q20/3276 G06Q30/0201
European: G06K9/00 G06Q10/00 G06Q10/087 G06Q10/08E
G06Q20/3276 G06Q30/00 G06Q30/06
US: 1/1 211/90.01 211/90.1 235/454 235/454P 283/74 283/79
340/5.92 358/1.15 358/1.150P 382/100 382/100S 382/159 382/159S
382/209 382/218 382/219 705/22 705/23 705/27.1 705/28 705/28P



Family:

Publication number	Publication date	Application number	Application date
AU2010246468 AA	20111027	AU20100246468	20101126
AU2010246468 BB	20121213	AU20100246468	20101126
BRPI0816173 A2	20150224	BR2008PI16173	20080829
CA2720217 AA	20111008	CA20102720217	20101105
CA2720217 C	20160329	CA20102720217	20101105
CN101809601 A	20100818	CN200880109743	20080829
CN101809601 B	20150311	CN200880109743	20080829
CN102214343 A	20111012	CN201010584323	20101207
EP2191420 A2	20100602	EP20080828590	20080829
EP2375365 A1	20111012	EP20100014575	20101112
EP2600290 A1	20130605	EP20130155683	20080829
EP2600291 A1	20130605	EP20130155684	20080829
IN03318CH2010 A	20111014	IN2010CH03318	20101108
RU2452021 C1	20120527	RU20100147799	20101123
US2009059270 AA	20090305	US20070849165	20070831
US2009063307 AA	20090305	US20070849180	20070831
US2011011936 AA	20110120	US20100839135	20100719
US2014129395 AA	20140508	US20140153836	20140113
US2015317620 AA	20151105	US20150796709	20150710
US8189855 BB	20120529	US20070849165	20070831
US8630924 BB	20140114	US20070849180	20070831
US9135491 BB	20150915	US20100839135	20100719
WO09027835 A2	20090305	WO2008IB03022	20080829
WO09027835 A3	20090618	WO2008IB03022	20080829
WO09027839 A2	20090305	WO2008IB03068	20080829
WO09027839 A3	20090514	WO2008IB03068	20080829

Priority:

CA20102720217 20101105	EP20080828590 20080829	US20070849165 20070831
EP20100425110 20100408	EP20100014575 20101112	EP20080828590 20080829
WO2008IB03068 20080829	US20070849171 20070831	US20070849177 20070831
US20070849180 20070831	US20100839135 20100719	US20140153836 20140113
US20150796709 20150710		

Probable Assignee: ACCENTURE GLOBAL SERVICES LTD

Assignee(s): (std): EHKSENCHER GLOUBL SERVISIZ LTD ; FANO ANDREW E ; DINI MARCO ; GROENOVOLT ROBERT
BERNAND ROBIN ; LINAKER FREDRICK ; OPALACH AGATA ; SASSANO MICHELE ; MORANDI SIMONE ;
ACCENTURE GLOBAL SERVICES LTD ; CAMPARI PIER PAOLO ; LINAKER FREDRIK ; FANO ANDREW ;

GROENEVELT ROBERT BERNARD ROBI ; GROENEVELT ROBERT BERNARD ROBIN ; ACCENTURE GLOBAL SERVICES GMBH

Assignee(s): ACCENTURE GLOBAL SERVICES LIMITED ; EHKSENCHER GLOUBL SERVISIZ LIMITED

Inventor(s): (std): ANDREW FANO ; CAMPARI PIER PAOLO ; DINI MARCO ; DINI MARKO ; FANO ANDREW ; FANO ANDREW E ; FANO EHNDRIJ EH ; LINAKER FREDRIK ; MARCO DINI ; MICHELE SASSANO ; MORANDI SIMONE ; OPALACH AGATA ; PAOLO CAMPARI PIER ; AGATA OPALACH ; FREDRIK LINAKER ; ROBIN GROENEVELT ROBERT BERNARD ; SASSANO MICHELE ; SASSANO MIKELE ; SIMONE MORANDI ; LINAKER FREDRICK ; GROENEVELT ROBERT BERNARD ; GROENEVELT ROBERT BERNARD ROBIN ; KAMPARI P ER PAOLO ; GROENOVELT ROBERT BERNAND ROBIN

Inventor(s): GROENOVELT ROBERT BERNAND (ROBN) ; GROENEVELT ROBERT BERNARD ; KAMPARI P'ER PAOLO ; GROENEVELT ROBERT BERNAND ROBN ; GROENEVELT ROBERT BERNARD (ROBIN) ; ANDREW E FANO ; PIER PAOLO CAMPARI ; ROBERT BERNARD ROBIN GROENEVELT

Agent(s): LESICAR MURRAY TRENTO; MURRAY TRENTO AND ASSOCIATES PTY LTD; SMART AND BIGGAR; FENNELL GARETH CHARLES; MUELLER BORE AND PARTNER PATENTANWALTE; MORRALL JONATHAN IAN MCLACHLAN; VEDDER PRICE PC; MANNAVA AND KANG PC; HARRITY AND HARRITY LLP; FENNELL GARETH CHARLES ET AL

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 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 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 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

4) Family number: 42978745 (US2009063306A)

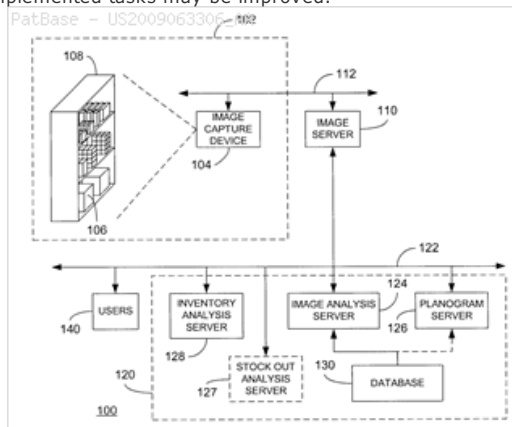
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Title: DETERMINATION OF **PRODUCT DISPLAY** PARAMETERS BASED ON **IMAGE** PROCESSING

Abstract: Source: US2009063306A **Image** analysis techniques, including object recognition analysis, are applied to **images** obtained by one or more **image** capture devices deployed within inventory environments. The object recognition analysis provides object recognition data (that may include one or more recognized **product** instances) based on stored **product** (training) **images**. In turn, a variety of functionalities may be enabled based on the object recognition data. For example, a **planogram** may be extracted and compared to a target **planogram**, or at least one **product display** parameter for a **product** can be determined and used to assess presence of the **product** within the inventory environment, or to determine compliance of **display** of the **product** with a promotional objective. In yet another embodiment, comparisons may be made within a single **image** or between multiple **images** over time to **detect** potential conditions requiring response. In this manner, efficiency and effectiveness of many previously manually-implemented tasks may be improved.

Classifications:

International (IPC 8-9): G06G1/14 G06K9/64 G06Q10/00
G06Q20/00 (Advanced/Invention);
G01C3/08 G06K9/00 G06K9/46 G06Q10/00 (Advanced/Non-invention);
G06K9/64 G06Q10/00 (Core/Invention)
CPC: G06K9/00 G06Q10/087 G06Q20/203 G06Q20/208
European: G06K9/00 G06Q10/087 G06Q10/08E G06Q20/203
G06Q20/208
US: 235/385 235/385S 356/4.03 382/103 382/103S 382/181
382/203 705/22 705/23 705/28 705/28P



Family:

Publication number	Publication date	Application number	Application date
US2009063306 AA	20090305	US20070849171	20070831
US7949568 BB	20110524	US20070849171	20070831
WO09027842 A2	20090305	WO2008IB03087	20080829
WO09027842 A3	20090702	WO2008IB03087	20080829

Priority:

US20070849171 20070831

Probable Assignee: ACCENTURE GLOBAL SERVICES LTD

Assignee(s): (std): ACCENTURE GLOBAL SERVICES LTD ; FANO ANDREW ; LINAKER FREDRIK ; OPALACH AGATA ; GROENEVELT ROBERT BERNARD ROBI ; GROENEVELT ROBERT BERNARD ROBIN ; ACCENTURE GLOBAL SERVICES GMBH

Assignee(s): ACCENTURE GLOBAL SERVICES LIMITED

Inventor(s): (std): FANO ANDREW ; GROENEVELT ROBERT BERNARD ROBIN ; LINAKER FREDRIK ; OPALACH AGATA

Inventor(s): GROENEVELT ROBERT BERNARD (ROBIN)

Agent(s): VEDDER PRICE PC; FENNELL GARETH CHARLES

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 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 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

5) Family number: 42977572 (US2009060349A)

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Title: DETERMINATION OF INVENTORY CONDITIONS BASED ON **IMAGE** PROCESSING

Abstract: Source: US2009060349A **Image** analysis techniques, including object recognition analysis, are applied to **images**

obtained by one or more **image** capture devices deployed within inventory environments. The object recognition analysis provides object recognition data (that may include one or more recognized **product** instances) based on stored **product** (training) **images**. In turn, a variety of functionalities may be enabled based on the object recognition data. For example, a **planogram** may be extracted and compared to a target **planogram**, or at least one **product display** parameter for a **product** can be determined and used to assess presence of the **product** within the inventory environment, or to determine compliance of **display** of the **product** with a promotional objective. In yet another embodiment, comparisons may be made within a single **image** or between multiple **images** over time to **detect** potential conditions requiring response. In this manner, efficiency and effectiveness of many previously manually-implemented tasks may be improved.

Classifications:

International (IPC 8-9): G06K9/00 G06K9/46 G06K9/50

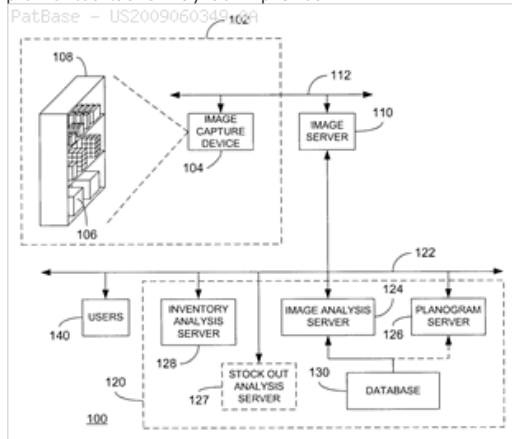
G06Q10/00 (Advanced/Invention);

G06K9/46 G06K9/50 G06Q10/00 (Core/Invention)

CPC: G06K9/00664 G06Q10/087 G06Q20/203

European: G06K9/00V2 G06Q10/087 G06Q10/08E G06Q20/203

US: 235/385 382/103 382/209 382/209P 705/22



Family:

Publication number	Publication date	Application number	Application date
US2009060349 AA	20090305	US20070849177	20070831
US8009864 BB	20110830	US20070849177	20070831
WO09027836 A2	20090305	WO20081B03023	20080829
WO09027836 A3	20090522	WO20081B03023	20080829

Priority:

US20070849177 20070831

Probable Assignee: ACCENTURE GLOBAL SERVICES LTD

Assignee(s): (std): ACCENTURE GLOBAL SERVICES GMBH ; ACCENTURE GLOBAL SERVICES LTD ; FANO ANDREW ; LINAKER FREDRIK ; OPALACH AGATA ; GROENEVELT ROBERT BERNARD ROBI ; FANS ANDREW ; GROENEVELT ROBERT BERNAND ROBIN

Assignee(s): GROENEVELT ROBERT BERNARD ROBIN ; ACCENTURE GLOBAL SERVICES LIMITED

Inventor(s): (std): FANS ANDREW ; GROENEVELT ROBERT BERNAND ROBIN ; OPALACH AGATA ; LINAKER FREDRIK ; GROENEVELT ROBERT BERNARD ROBIN ; FANO ANDREW

Inventor(s): GROENEVELT ROBERT BERNARD (ROBIN) ; GROENEVELT ROBERT BERNAND (ROBIN)

Agent(s): VEDDER PRICE PC; FENNEL GARETH CHARLES ET AL

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 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 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

6) Family number: 44101668 (US2009304161A)

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Title: SYSTEM AND METHOD UTILIZING VOICE SEARCH TO **LOCATE** A **PRODUCT** IN STORES FROM A PHONE

Abstract: Source: US2009304161A A system and method for providing automatic voice recognition and voice response **product location** information in a store while using a personal mobile phone or any phone connected to a telecommunications or data communications network such as and including the Internet and an automatic speech recognition system. The system 403 and 404 asks a user and/or customer 300 a series of automated questions to help the user and/or customer 300 **locate products** in stores. In the embodiment of the invention, the user and/or customer 300 only needs to dial the toll free or dial in number 302 from any phone to use the system in order to receive the requested **product location** information or other available information by the automated response system. This invention creates the **product location** assistance (PLA) system to be used in **locating products** in stores, creating new efficiencies in customer service for retailers, businesses and organizations.

Classifications:

International (IPC 8-9): G06F17/27 G06F17/30 G06F3/00 G06F3/01

G06F3/0481 G06F3/0484 G06Q10/08 G06Q30/02 G06Q30/06

G06T11/60 G06T19/00 G10L13/08 G10L15/00 G10L15/22 G10L15/26

H04M1/64 H04M3/493 H04N13/00 H04N13/04

H04W4/02 (Advanced/Invention);

G10L15/18 H04M3/42 (Advanced/Non-invention);

H04M1/64 (Core/Invention)

CPC: G06Q30/0639 G06T19/006 G06T19/003 G06F3/011 G10L15/26

G10L15/22 G06F3/005 G06F3/04842 G06F3/04812 G06Q30/0251

G10L2015/223 G06Q30/0603 G10L15/1822 H04M3/42348

H04M3/4936 H04M2201/40 H04M2203/1058 H04M2203/355

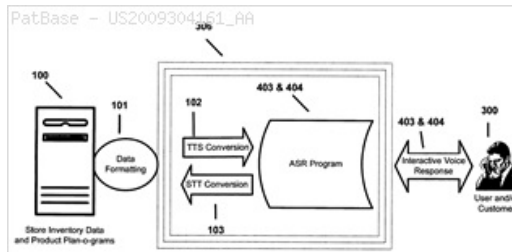
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G06T2210/61 G06Q30/0625 G06F17/2795 G10L13/08 G06F17/30864

European: G06Q30/0603 H04M3/493S T04M201/40 T04M203/10G T04M203/35E T04M250/74 T04M3/42R

US: 1/1 379/88.01 379/88.010P 704/231 704/235 704/E15.001 704/E15.043 705/14.49 705/26.9 705/28



Family:

Publication number	Publication date	Application number	Application date
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EP2289231 A4	20121107	EP20090759498	20090605

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US2012232897 AA	20120913	US20120461738	20120501
US2015170256 AA	20150618	US20140575432	20141218
US2015170257 AA	20150618	US20150629259	20150223
US2015170258 AA	20150618	US20150632832	20150226
US2015262120 AA	20150917	US20150729348	20150603
US2015339761 AA	20151126	US20150814113	20150730
US2017186078 AA	20170629	US20170457984	20170313
US9147212 BB	20150929	US20120461738	20120501
US9202247 BB	20151201	US20150629259	20150223
US9595063 BB	20170314	US20150814113	20150730
WO09149340 A1	20091210	WO2009US46394	20090605
WO15195413 A1	20151223	WO2015US34884	20150609
WO15195415 A1	20151223	WO2015US34919	20150609
WO16197034 A1	20161208	WO2016US35876	20160603

Priority:

US20080134187	20080605	US20110481657P	20110502	US20120461738	20120501
US20140012882P	20140616	US20140017066P	20140625	US20120461788	20120502
WO2009US46394	20090605	US20140575432	20141218	US20150629259	20150223
US20150632832	20150226	US20150729348	20150603	US20150814113	20150730
US20170457984	20170313	WO2015US34884	20150609	WO2015US34919	20150609

Probable Assignee: AISLE411 INC

Assignee(s): (std): AISLE411 INC ; JEFFREY NIARCAS ; KULIG MATTHEW ; KULIG MATTHEW PAUL ; PETTYJOHN NATHAN MARSHALL ; PETTYJOHN NATHAN ; SAUNDERS EDWARD

Assignee(s): AISLE 411 INC

Inventor(s): (std): JEFFREY NIARCAS ; KULIG MATTHEW ; KULIG MATTHEW PAUL ; PETTYJOHN NATHAN ; PETTYJOHN NATHAN MARSHALL ; SAUNDERS EDWARD ; SAUNDERS ED ; PRIESE FRED R ; HAWKS DANIEL ; GUO MINXIN ; CANNAROZZI DANTE

Agent(s): ZIJLSTRA ROBERT WIEBO JOHAN; MATTHEW KULIG; LEWIS RICE LLC; HICKEY MICHAEL J ET AL; DAMMAN KIRK A 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 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 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

7) Family number: 44129299 (US2011141136A)

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Title: METHOD AND SYSTEM OF GRAPHICALLY REPRESENTING DISCRETE DATA AS A CONTINUOUS SURFACE

Abstract: Source: US2011141136A In a data visualization system, a method of graphically representing discrete data as a continuous surface in **image** space, the method comprising the steps of: a data retrieval module retrieving discrete data from a data storage device in communication with the data visualization system; an interpolation module calculating a first set of values for a weighted interpolation function based on the retrieved discrete data; a smoothing module calculating a second set of values for one or more weighted approximation functions based on the retrieved discrete data; and a surface combining module combining the first and second set of calculated values over the **image** space to graphically represent a continuous surface.

Classifications:

International (IPC 8-9): A63F9/24 G06F17/30 G06F19/00 G06F19/26 G06F3/048 G06F3/0484 G06F3/12 G06F3/14 G06F7/08 G06F9/44 G06K9/52 G06K9/62 G06Q10/06 G06Q10/10 G06Q40/00 G06Q40/04 G06T11/00 G06T11/20 G06T15/00 G06T3/20 G06T5/50 G06T7/60 G07F17/32 G09B29/00 G09F17/00

G09G5/00 (Advanced/Invention);

G06F17/30 G06F19/00 G06F3/048 G06F3/12 G06F3/14 G06T1/20 G09F17/00 (Core/Invention)

CPC: G07F17/32 G07F17/3237 G06F17/30 G06Q10/10 G06Q30/02 G06F17/30554 G06F17/30994 G06Q10/06 G06T11/206 G06Q40/04 G09B29/00 G06F3/04842 G06F7/08 G06F3/04847 G06F9/4446 G06Q40/00 G06T2200/24 G06T7/60 G06T3/20 G06K9/6267 G06K9/52 G06F17/30327 G06T2207/30108 G06T2207/30242

European: G06F17/30 G06F17/30Z5 G06Q10/06 G06Q10/10 G06Q30/02 G06Q40/04 G06T11/20T G07F17/32 G07F17/32E6D G09B29/00

US: 1/1 345/156 345/156S 345/419 345/419P 345/440 345/440P 345/606 345/606P 382/118 463/25 463/25P 707/705 707/705S 707/769 707/769P 707/805 707/805P 707/E17.014 707/E17.014S 707/E17.018 707/E17.018S 707/E17.045 707/E17.045S 715/708 715/771 715/771P

PatBase - US2011141136 A1

Nasdaq prices valid as of Jun. 9, 2008 Market Closed

QQQQ	-0.83%	VRTX	2.64%	STLD	2.63%	RIMM	2.06%	DELL	1.73%	CTSH	1.73%	ATVI	1.66%	EXPD	1.62%	HANS	1.57%	SRCL	1.34%	SYMC	1.24%
BRCM	1.21%	MCHP	1.16%	NTAP	1.05%	MSFT	0.97%	LLTC	0.77%	PWLT	0.75%	JNPR	0.64%	ADSK	0.55%	JOYG	0.55%	DISCA	0.55%		
YHOO	0.53%	PAYX	0.51%	SHLD	0.48%	ADBE	0.40%	QACL	0.39%	CHRW	0.38%	CEPH	0.36%	WFMH	0.35%	AMAT	0.21%	COST	0.20%		
AMON	0.14%	CELO	0.13%	FLEX	0.09%	CMCSA	0.08%	FAST	0.06%	LVLT	0.05%	SIRI	0.00%	CDNS	0.00%	DTV	0.00%	MICC	-0.02%		
CA	-0.04%	QCOM	-0.05%	PCAR	-0.09%	SPLS	-0.09%	INTU	-0.14%	PDCO	-0.16%	CHKP	-0.18%	PETM	-0.22%	VMED	-0.25%	CTAS	-0.28%		
XLNX	-0.37%	IACI	-0.28%	EXPE	-0.40%	NRVL	-0.41%	SIAL	-0.41%	CSCO	-0.41%	INTC	-0.82%	TEVA	-0.84%	LINTA	-0.85%	EBAY	-0.85%		
DISH	-0.74%	GILD	-0.84%	SBUX	-0.85%	RYRY	-0.87%	HOLX	-0.84%	VRSN	-1.00%	LBTYA	-1.10%	CTXS	-1.12%	ALTR	-1.13%	XRAY	-1.16%		
INPY	-1.18%	PIBV	-1.20%	GENZ	-1.30%	JAVA	-1.30%	ERTS	-1.34%	LRGX	-1.39%	WNST	-1.49%	AMZN	-1.52%	KLAC	-1.54%	NVDA	-1.54%		
GOOG	-1.81%	NIHD	-1.84%	HSIC	-1.70%	AKAM	-1.85%	BBB	-1.86%	ESRX	-2.06%	LEAP	-2.06%	16RD	-2.07%	APPL	-2.17%	BBBY	-2.26%		
LODI	-2.83%	APOL	-2.88%	ORMN	-3.41%	FWCH	-3.47%	BIOD	-3.79%	SHDK	-3.91%	WYNN	-4.06%	LAMR	-4.18%	UKUA	-4.17%	ABL.N	-10.32%		

-10.32 % Change 10.32

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Family:

Publication number	Publication date	Application number	Application date
AU2013101079 AD	20130912	AU20130101079	20130813
US2011141136 AA	20110616	US20090866838	20090619
US2011169835 AA	20110714	US200900000274	20090618
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US2011179370 AA	20110721	US200900000315	20090618
US2011181597 AA	20110728	US200900000308	20090618
US2011184995 AA	20110728	US200900000320	20090618
US2011261049 AA	20111027	US200900000323	20090619
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US2015084964 AA	20150326	US20140479811	20140908
US2016267693 AA	20160915	US20160139717	20160427
US2016307345 AA	20161020	US20160130520	20160415
US2017018102 AA	20170119	US20160213593	20160719
US8866816 BB	20141021	US20090000274	20090618
US9058695 BB	20150616	US20090000315	20090618
US9349200 BB	20160524	US20090000308	20090618
US9355482 BB	20160531	US20140479811	20140908
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WO09154478 A1	20091223	WO2009NZ00108	20090618
WO09154479 A1	20091223	WO2009NZ00109	20090618
WO09154480 A1	20091223	WO2009NZ00110	20090618
WO09154480 A9	20100805	WO2009NZ00110	20090618
WO09154481 A1	20091223	WO2009NZ00111	20090618
WO09154482 A1	20091223	WO2009NZ00112	20090619
WO09154483 A1	20091223	WO2009NZ00113	20090618
WO09154484 A2	20091223	WO2009NZ00114	20090619
WO09154484 A3	20100211	WO2009NZ00114	20090619
WO10024697 A1	20100304	WO2009NZ00179	20090831

Priority:

US20080074347P 20080620	US20080093428P 20080901	US20080101670P 20080930
US20080101672P 20080930	US20080107665P 20081022	US20080115036P 20081115
US20080118211P 20081126	US20080140556P 20081223	US20090000274 20090618
US20090000267 20090618	US20090000315 20090618	US20090000320 20090618
US20090000323 20090619	US20090000308 20090618	US20090145775P 20090120
US20090146133P 20090121	US20090146525P 20090122	US20090146430P 20090122
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WO2009NZ00110 20090618	WO2009NZ00108 20090618	WO2009NZ00109 20090618
WO2009NZ00114 20090619	WO2009NZ00179 20090831	US20160213593 20160719

Probable Assignee: NEW BIS SAFE LUXCO S A R L

Assignee(s): (std): BUSINESS INTEELIGENCE SOLUTIONS SAFE B V ; BUSINESS INTEELIGENCE SOLUTIONS SAFE BV ; BUSINESS INTELLIGENCE SOLUTION ; BUSINESS INTELLIGENCE SOLUTIONS SAFE B V ; BUSINESS INTELLIGENCE SOLUTIONS SAFE BV ; CARDNO ANDREW JOHN ; LEWIN BART ANDREW ; SINGH ASHOK KUMAR ; INGHAM PETER STEWART ; NEW BIS SAFE LUXCO S A R I ; NEW BIS SAFE LUXCO S A R L ; NEW BIS SAFE LUXCO SARL

Assignee(s): NEW BIS SAFE LUXCO RL SA ; NEW BIS SAFE LUXCO SARI

Inventor(s): (std): CARDNO ANDREW JOHN ; INGHAM PETER STEWART ; LEWIN BART ANDREW ; SINGH ASHOK KUMAR

Agent(s): ELLIS TERRY; MERCHANT AND GOULD PC; ELLIS VERBOEKET TERRY ET AL

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

8) Family number: 49463000 (US2012308086A)

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Title: AUTOMATIC METHOD AND SYSTEM FOR VISUAL ANALYSIS OF OBJECT AGAINST PRESET

Abstract: Source: US2012308086A A system for diagnosing an object that includes a preset of an object, a visual representation associated with one or more sub objects of at least part of the object, and a module to analyze the applicable visual representation. The visual representation is captured by a device and provides a specified status of the object. Further the analysis provides a measure of fit between the preset and the specified status of the object as captured and is carried out based on keypoint descriptors used to separate sub objects on the applicable visual representation. The device has a reproduction capturing device and data connectivity.

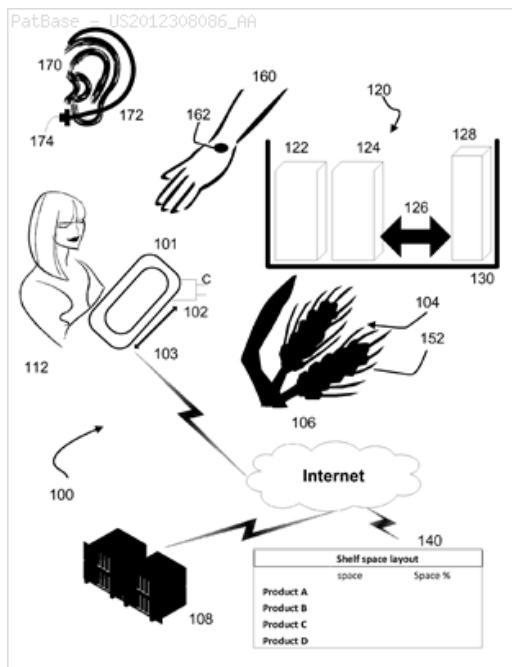
Classifications:

International (IPC 8-9): G06K G06K9/00 G06K9/46 G06K9/62 G06K9/78 G06Q10/08 G06Q30/02 G06T1/20 (Advanced/Invention); G06K (Subclass/Invention)

CPC: G06Q30/0201 G06K9/6215 G06Q30/02 G06Q10/087 G06T1/20

European: G06Q30/02

US: 382/110 705/7.29



Family:

Publication number	Publication date	Application number	Application date
IL221526 A0	20121129	IL20110221526	20110217
IL221526 A1	20161031	IL20110221526	20110217
IN01983MN2012 A	20140822	IN2012MN01983	20120817
US2012308086 AA	20121206	US20120586912	20120816
US2015088605 AA	20150326	US20140556163	20141130
US2017193532 AA	20170706	US20170462865	20170319
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US9600829 BB	20170321	US20140556163	20141130
WO11101800 A1	20110825	WO20111B50661	20110217
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Priority:

US20100305147P 20100217 US20100306510P 20100221 US20100325328P 20100418
US20120586912 20120816 US20140556163 20141130 US20170462865 20170319
WO20111B50661 20110217

Probable Assignee: ATSMON ALON

Assignee(s): (std): ALON ATSMON ; ATSMON ALON ; NIMROD SHKEDY ; SHKEDY NIMROD

Inventor(s): (std): ALON ATSMON ; ATSMON ALON ; NIMROD SHKEDY ; SHKEDY NIMROD

Agent(s): GE EHRlich 1995 LTD; FISHER WEILER JONES

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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW