

Search history

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Title: **USER INTERFACE** SYSTEM HAVING PROGRAMMABLE **USER INTERFACE** ELEMENTS

Abstract: Source: US5202828A A **user interface** element having a plurality of **user interface** elements for marking, finding, organizing, and processing data within documents stored in an associated computer system are described. Each element typically has an appearance which is uniquely related to the data or the function the element is designed to represent or perform, respectively. In their simplest form, these elements are only used to mark data within a document. Each element, however, can also be programmed to cause the computer to perform some function in association with the marked data, such as printing the data or mailing the data to someone. A **user** can select particular data within a document using an element and have that data associated with the element in memory. Data marked with common elements can be found by searching for a particular representative element in memory. **Users** can create their own elements, program elements with their own desired functionality, and modify existing elements. Elements can also be compounded together so as to cause a combination of tasks to be performed by simply activating one element.

Classifications:

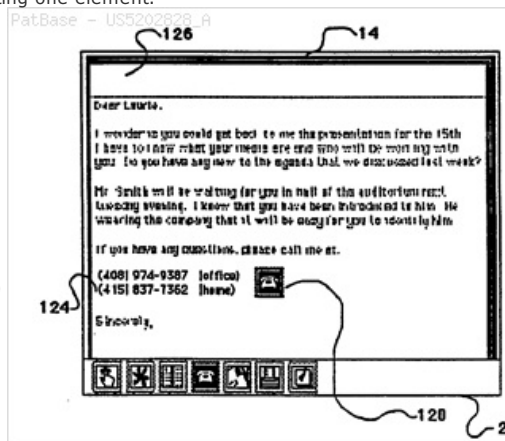
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G06T11/80 H04M1/2745 (Advanced/Invention);
G06F12/00 G06F17/21 G06F3/048 G06F3/14
G06T11/80 (Advanced/Non-invention)

International (IPC 1-7): G06F12/00 G06F15/403 G06F17/21
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CPC: G06F17/30014 H04M1/27455 G06F3/0481 G06F3/0483
G06F9/45512 G06F17/241

European: G06F17/24A G06F17/30D4 G06F3/033A1 G06F3/033A1B
G06F3/0481 G06F3/0483 G06F9/455B2B H04M1/2745G

US: 345/348 364/419 364/419.17 715/236 715/277 715/512 715/530
715/810 715/839 715/866



Family:

Publication number	Publication date	Application number	Application date
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Priority:

EP19920913218 19920512	US19910700729 19910515	WO1995US10634 19950821
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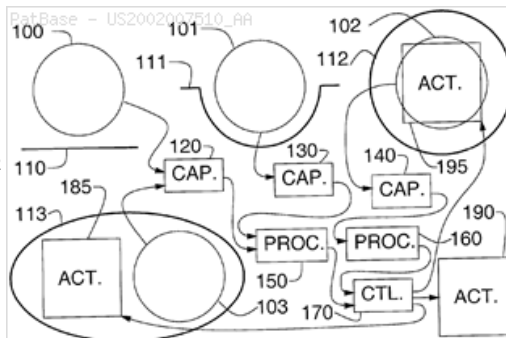
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Title: Smart bathroom fixtures and systems

Abstract: Source: US2002007510A Image sensors, processors, and control systems facilitate automatic sensor operated bathroom fixtures, systems for controlling bathroom fixtures, and **methods** of bathroom fixture design, control, and management, as well as the control and management of hygiene and water resources. The networked plumbing systems also help facility managers and law enforcement personnel monitor the operation of various bathrooms in a facility or at remote facilities. Image sensors are used for controlling several showers, faucets, urinals, or water closets in large bathroom complexes. Image based intelligent bathroom fixtures and systems help enhance the privacy of **users** by ensuring that law abiding **users** need not be disturbed by police foot patrols into the restroom areas, or by security guards entering simply to make inspections. An aquionics bathroom control system of the invention maintains the cleanliness, safety, security, and privacy of the occupants in a smart bathroom environment. Additionally, in some embodiments, a bathroom facility of the invention may be used for mass decontamination during times of emergency for processing victims of a nuclear, biological, or chemical incident. Once ubiquitously installed for routine control of fixtures, the apparatus facilitates a secondary usage such as monitoring by triage staff, medical personnel, decontamination officers, or law enforcement officers during times of terrorist consequence management.

Classifications:

International (ipc 8-9): A45C1/06 A45C13/18 A47K3/28 A61B5/00 A61F2/14 A61H33/00 A63F13/80 A63F9/00 A63F9/24 A63H30/04 B62D1/00 B64F1/36 E03C1/05 E03D3/00 E03D5/10 E03D9/00 E04H1/12 E05B47/00 E05B65/00 G02B23/12 G02B27/00 G02B27/01 G02B27/18 G02B27/20 G02C1/00 G02C11/00 G02C11/04 G02C11/06 G02C7/02 G02C7/04 G02C7/10 G02C9/00 G02F1/01 G03B1/00 G03B13/02 G03B13/04 G03B13/06 G03B13/16 G03B15/02 G03B15/05 G03B15/08 G03B17/48 G03B17/56 G03B19/00 G03B29/00 G03B33/08 G03B43/00 G03B7/00 G04G21/04 G04G9/00 G04G99/00 G05B11/16 G05B19/00 G05B23/00 G05B23/02 G05D1/00 G05D7/06 G06F1/16 G06F17/00 G06F19/00 G06F3/00 G06F3/01 G06F3/02 G06F7/00 G06F7/04 G06K19/00 G06K9/00 G06K9/20 G06K9/36 G06T1/00 G06T5/50 G06T7/00 G07C9/00 G07F7/02 G07F7/12 G07G1/00 G07G1/12 G08B13/00 G08B13/196 G08B15/00 G08B19/00 G08B21/00 G08B21/02 G08B21/08 G08B23/00 G08B25/00 G08B29/00 G08C19/00 G09G3/00 G09G3/32 G09G5/00 G21F9/00 H04B1/00 H04B3/00 H04L12/16 H04L9/14 H04L9/28 H04L9/32 H04N5/00 H04N5/222 H04N5/225 H04N5/232 H04N5/243 H04N5/247 H04N5/30 H04N5/335 H04N5/77 H04N7/00 H04N7/14 H04N7/15 H04N7/18 H04N9/12 H04Q1/00 H04Q9/00 H04R1/40 H04R25/00 (Advanced/Invention);



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Locarno class: 00/43

Family:

Publication number	Publication date	Application number	Application date
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Inventor(s): MANN W ; WILLIAM STEPHEN GEORGE MANN

Agent(s): SMART AND BIGGAR; NA

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

Title: PRINthead SUPPORT ASSEMBLY

Abstract: Source: US2003090538A An inkjet printhead assembly includes a hollow elongate member defining ink supply channels. The ink supply channels are in fluid communication with an elongate slot in and extending at least partly along the elongate member. A plurality of printhead segment carriers is received and secured in neighbouring arrangement within the slot, and at least one printhead segment is mounted to each printhead segment carrier.

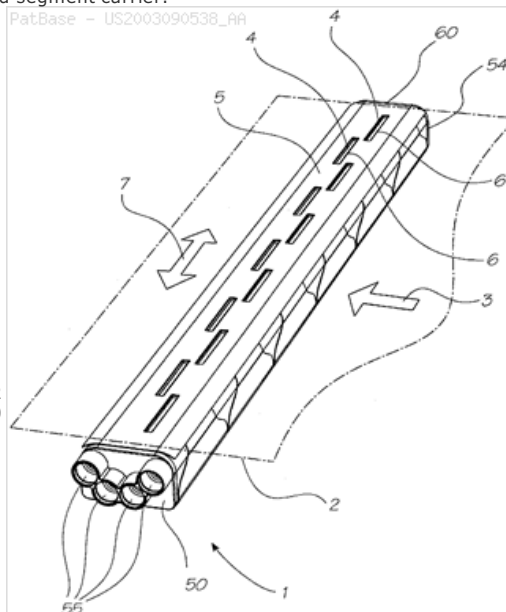
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Family:

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Assignee(s): SILVERBROOK RESEARCH CO ; SILVERBROOKE RESEARCH PTY LTD ; SILVERBROOK RESEARCHPTY LTD ; SILVERBROOK RESEARCH LTD ; SILVERBROK RESEARCH PTY LTD ; ZAMTEC LTD ; SILVERBROOK RESEARCH CO LTD ; SILVERBROOK RESEARCH PTY LTD ; SILVERBROOK RESEARCH PTY LTD393 DARLING STREETNSW 2041BALMAINAU ; ZAMTEC LTD8 FITZWILLIAM SQUAREDUBLIN 2IE ; SILVERBROOK RESEARCH PTY LIMITED ; KIA SILVERBROOK AND TOBIN ALLEN KING ; KING TOBIN ; KING TOBIN A ; MPOWA PTY LTD ; LIVESCRIBE INC ; MEMJET TECHNOLOGY LTD ; MEMJET TECHNOLOGY LTD8 FITZWILLIAM SQUAREDUBLIN 2DUBLINIE ; OPUS BANK ; PAUL LAPSTUN

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Inventor(s): P LAPSTON K SILVERBROOK ; PICKUP COLIN ; PAUL LAPSTUN JACQUELINE A LAPSTUN KIA SILVERBROOK ; WALMSLEY SIMON ; YOURLO ZHENYA ; HENDERSON PETER CB ; UNDERWOOD MATTHEW ; SILVERBROOK KIA LAPSTUN PAUL ; SILVERBROOK KIAAU ; RIDLEY NICHOLAS ; KING TOBIN ALLEN ; LAPSTUN JACQUELINE ; KIA SILVERBROOK PAUL LAPSTUN ; KING TOBIN ; GATES ROBERT DUGALD ; HENDERSON PETER ; GATES ROBERT

Agent(s): SILVERBROOK RESEARCH PTY LTD ; PIZZEYS ; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY

Designated states: LTD; RIDOUT AND MAYBEE LLP
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Title: Natural robot control

Abstract: Source: US2003030397A An apparatus and process for controlling a remote robot responsive to the integrated sensory perceptions, natural body **movements**, inertia and gravitation of an operator/**user** who is himself responding to a three dimensional virtual world of visual and sensory conditions responsive to the environment at the remote site where the robot is operating. The **user** requires no training, special commands or devices to direct the robot because the **user** has the perception of actually being at the remote location, handling remote objects he sees and feels in his hands, walking, climbing, viewing and feeling the remote world.

Classifications:

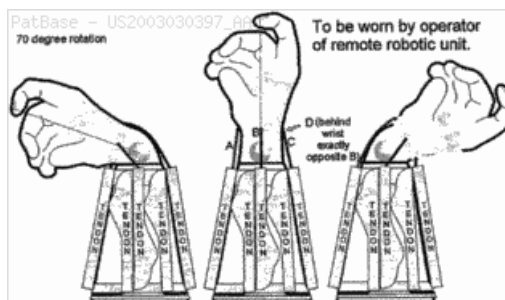
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Family:

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Priority:

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Probable Assignee: SIMMONS JOHN CASTLE

Assignee(s): (std): SIMMONS JOHN C ; SIMMONS JOHN CASTLE

Inventor(s): (std): SIMMONS JOHN CASTLE ; SIMMONS JOHN C

Title: PROCESSING POSE DATA DERIVED FROM THE POSE OF AN ELONGATE OBJECT

Abstract: Source: US2005168437A An apparatus and **method** for processing pose data derived from a pose of an elongate object such as, for example, a jotting implement, a **pointer**, a robotic arm or a cane. The elongate object has a tip contacting a plane surface with one or more invariant features. The pose of the elongate object is measured optically from on-board by an optical measuring system with the aid of the invariant feature. The pose is used for preparing a corresponding pose data and a subset of the pose data is identified and transmitted to an application such as a **user** application, where the subset can serve as command data or input data. Since the elongate object moves while its tip is contacting the surface the pose is measured periodically at sufficiently frequent measurement times t_i to describe the motion at a desired temporal resolution. The subset can include all or a portion of the orientation data that describe the orientation of the elongate object in space and/or position data of the tip on the surface. The position can be a relative position of the tip with respect to any feature or its previous position, or an absolute position in world coordinates. The subset can also contain a mix of orientation and position data.

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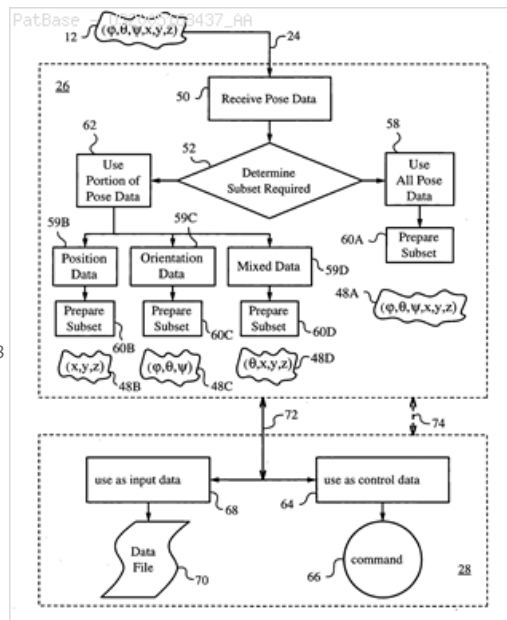
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**Family:**

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Probable Assignee: ELECTRONIC SCRIPTING PRODUCTS INC

Assignee(s): (std): ALBOSZTA MAREK ; CARL STEWART R ; ELECTRONIC SCRIPTING PRODUCTS ; ELECTRONIC SCRIPTING PRODUCTS INC ; ELECTRONIC SCRPTING PRUDUCTS INC ; MANDELLA MICHAEL J ; GONZALEZ BANOS HECTOR H ; HAWKS TIMOTHY J ; ZHANG GUANGHUA G

Inventor(s): (std): CARL STEWART R ; GONZALEZ BANOS HECTOR H ; MANDELLA MICHAEL J ; ZHANG GUANGHUA G ; HAWKS TIMOTHY J ; ALBOSZTA MAREK

Inventor(s): ZHANG GUANGHUA ; MANDELLA MICHAEL ; GONZALEZ BANOS HECTOR ; CARL STEWART

Agent(s): BERESKIN AND PARR; BERESKIN AND PARR LLP SENCRL SRL; ESPI; LUMEN INTELLECTUAL PROPERTY SERVICES INC; ELECTRONIC SCRIPTING PRODUCTS INC; MAREK; CHRISTOPHER P; CHRISTOPHER P MAIORANA PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM 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 MG MK ML MN MR 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: TECHNIQUES FOR RETRIEVING DOCUMENTS USING AN IMAGE CAPTURE DEVICE

Abstract: Source: US2006085477A Embodiments of the present invention provide techniques for retrieving electronic documents based upon images captured using an image capture device. One or more images captured by a **user** using an image capture device are used to search a set of documents to retrieve one or more documents that match the search query. The one or more documents retrieved by the search may then be provided to the **user** or some other recipient.

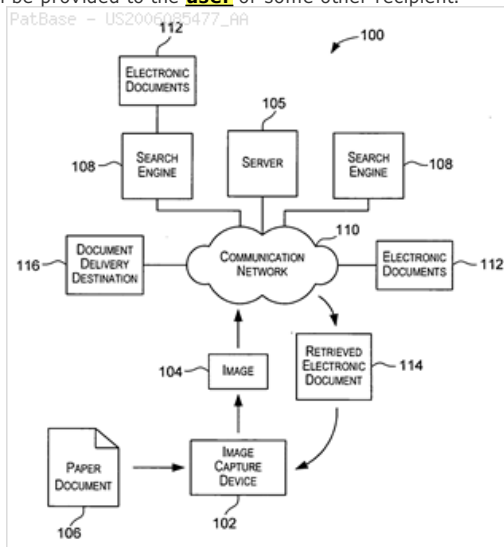
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US20120415756	20120308	US20120415228	20120308		

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Assignee(s): (std): ANTUNEZ EMILIO ; ANTUNEZ EMILIO R ; EROL BERNA ; FURUKAWA TAKAHIRO ; HART PETER E ; LEE DAR SHYANG ; HULL JONATHAN J ; GRAHAM JAMEY ; LOOKINGBILL ANDREW ; KE QIFA ; HUET LANDRY ; KISHI HIDENOBU ; PERSOL KURT ; NUDD GEOFFREY H ; VAN OLST DANIEL G ; RIDOUT KEVIN ; VAN OLST DANIEL ; PERSOL KURT W ; MORALEDA JORGE ; TAKAHASHI SADA0 ; SAKIKAWA ICHIRO ; RICOH KK ; RICOH CO LTD ; PHILLIPS DAJA ; UDA SHIGEHARU ; WEYL STEPHEN ; WEYL STEPHEN A ; WOLFF GREGORY

Assignee(s): RICOH COMPAY LTD ; RICOH COMPANY LTD ; RICOH CO

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR 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 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SHARED IMAGE DEVICES

Abstract: Source: US2006170956A A device comprising a first shared image device that captures at least one image representation. The first shared image device receives a request to share the at least one image representation to an at least one other shared image device. The first shared image device and the at least one other shared image device are each capable of capturing image representations. The first shared image device transmits the at least one image representation.

Classifications:

International (IPC 8-9): G03B17/00 G06F13/00 G06F15/00
G06F15/16 G06F17/00 G06F17/21 G06F17/24 G06F17/30 G06F21/31
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G06G7/70 G06K9/00 G06K9/32 G06K9/36 G06K9/40 G06T1/00
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G11B27/11 G11B27/22 G11B27/30 G11B27/34 G11B7/00 G11B7/12
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358/402 358/402S 369/121 369/44.14 369/44.140P 375/E7.016 375/E70.16S 382/103 382/103P 382/254 382/254P 382/276

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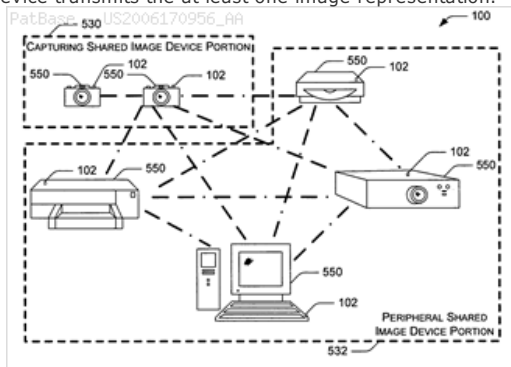
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Family:

Publication number	Publication date	Application number	Application date
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CN1892849 A	20070110	CN200610100725	20060629
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Assignee(s): SEARETE LLCA LIABILITY CORP LTD ; SEARETE LLC A LIABILITY OF STATEOF DELAWARE CORP ; SEARETE LLC A OF STATE OF STATE OF DELAWARE CORP LTD ; SEARETE LLC A LIABILITY OF STATE OF DELAWARE CORP LTD ; SHARP CORP ; SEARETE LLC A OF STATE OF CORP LTD ; SEARETTE LLC ; SEARETE LLC A OF STATE OF STATE OF DELAWARE ; SEARETE LLC A OF STATE OF STATE OF DELAWARE CORP L ; SEARETE LLC A LIABILITY OF STATE OF DELAWARE ; SEARETE LLC A LIABILITY OF STATE OF DELAWARE CORP ; SEARETE LCC A LIABILITY OF STATE OF DELAWARE CORP LTD ; SEARETE LLC A LIABILITY CORP LTD ; SEARETE LLC A LIABILITY OF STA CORP LTD ; INVENTION SCIENCE FUND 1 LLC ; SEARETE LCC A LIABILITY OF STATE OF DELAWARE ; SEARETE LCC A LIABILITY OF STATE OF DELAWARE CORP ; SEARETE LLC A LIABILITY OF CORP LTD ; SEARETE LCC A LIABILITY OF CORP LTD ; JUNG EDWARD KY ; INVENTION SCIENCE FUND ; ASSIGNMENT FOR PUBLISHED PATENT APPLICATION SEARETE LLC A LIABILITY OF CORP LTD

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CLARENCE T

Designated states: AE AG AL AM 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 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
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TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SYSTEM AND METHOD FOR GESTURE BASED CONTROL SYSTEM

Abstract: Source: US2006187196A The system provides a gestural interface to various visually presented elements, presented on a display screen or screens. A gestural vocabulary includes 'instantaneous' commands, in which forming one or both hands into the appropriate 'pose' results in an immediate, one-time action; and 'spatial' commands, in which the operator either refers directly to elements on the screen by way of literal 'pointing' gestures or performs navigational maneuvers by way of relative or "offset" gestures. The system contemplates the ability to identify the users hands in the form of a glove or gloves with certain indicia provided thereon, or any suitable means for providing recognizable indicia on a user's hands or body parts. A system of cameras can detect the position, orientation, and movement of the user's hands and translate that information into executable commands.

Classifications:

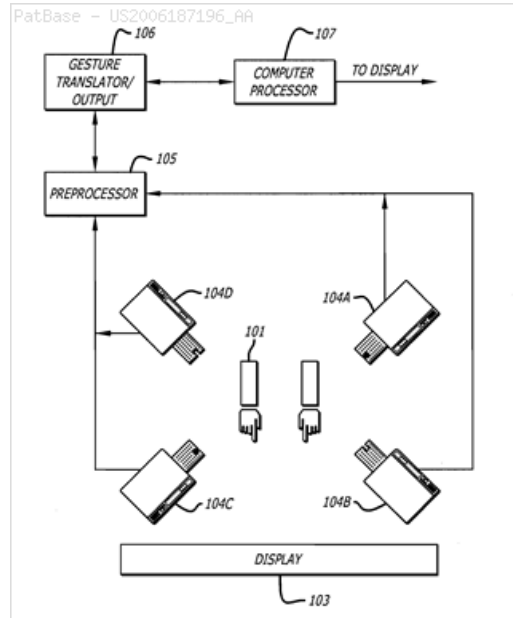
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Inventor(s): PARENT KEVIN

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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 YU ZA ZM ZW

Title: **METHODS** AND SYSTEMS FOR CONTENT PROCESSING

Abstract: Source: US2010046842A Cell phones and other portable devices are equipped with a variety of technologies by which existing functionality can be improved, and new functionality can be provided. Some relate to visual search capabilities, and determining appropriate actions responsive to different image inputs. Others relate to processing of image data. Still others concern metadata generation, processing, and representation. Yet others relate to coping with fixed focus limitations of cell phone cameras, e.g., in reading digital watermark data. Still others concern **user interface** improvements. A great number of other features and arrangements are also detailed.

Classifications:

International (IPC 8-9): A63F13/00 A63F13/12 A63F13/26
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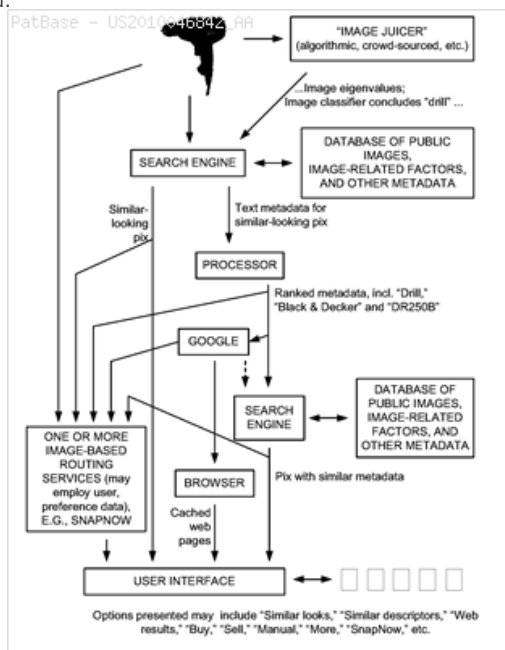
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Family:

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Probable Assignee: DIGIMARC CORP

Assignee(s): (std): LORD JOHN D ; MACINTOSH BRIAN T ; RHOADS GEOFFREY B ; DIGIMARC CORP ; MACINTOSH BRIAN T ; CONWELL WILLIAM Y ; DAVIS BRUCE L ; RODRIGUEZ TONY F ; RHOADS NICOLE ; SHARMA RAVI K ; RODRIQUEZ TONY F

Assignee(s): DIGIMARC (AN OREGON CORPORATION) CORP ; DIGIMARC AN OREGON CORP CORP ; DIGIMARC AN OREGON CORPORATION CORP ; DIGIMARC BEAVERTON CORP

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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

Title: LOCAL ADVERTISING CONTENT ON AN INTERACTIVE HEAD-MOUNTED EYEPiece

Abstract: Source: US2011213664A This disclosure concerns an interactive head-mounted eyepiece including an optical assembly through which the **user** views a surrounding environment and displayed content. The displayed content includes a local advertisement, wherein the location of the eyepiece is determined by an integrated location sensor and wherein the local advertisement has a relevance to the location of the eyepiece. The head mounted eyepiece may also include an audio device and the displayed content may comprise local advertisements and audio.

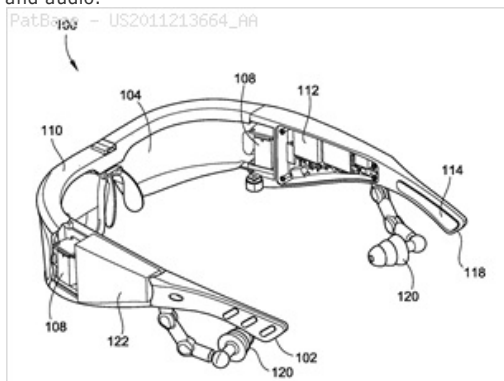
Classifications:

International (IPC 8-9): G01C21/00 G02B27/00 G02B27/01 G02B27/02 G02B27/14 G02B5/18 G02B5/23 G02B5/30 G02B6/00 G02B7/00 G02C11/00 G02C11/04 G02C7/00 G02F1/1335 G02F1/13357 G03B21/26 G03H1/00 G06F1/16 G06F13/00 G06F17/00 G06F17/30 G06F3/00 G06F3/01 G06F3/03 G06F3/033 G06F3/0346 G06F3/041 G06F3/048 G06F3/0488 G06K9/00 G06Q30/00 G06Q30/02 G06Q30/04 G06T15/00 G06T19/00 G09G5/00 G09G5/02 G09G5/10 G09G5/377 G10L19/00 H04N5/225 H04N5/232 H04N5/44 H04N5/64 H04N7/15 H04N7/18 (Advanced/Invention); A61B3/113 F21V8/00 G02B27/00 G02B27/01 G02B5/18 G02B5/30 G02B6/12 G03H1/22 G06F3/00 G06F3/01 G06T19/00 H04N13/04 H04N7/14 (Advanced/Non-invention)

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European: G01C21/36G1 G02B27/00T G02B27/01B G02B27/01C G02B27/01C1 G02B27/01C2 G02B27/10K G02B27/28A G02B5/23 G02B7/00T G02C11/04 G02C7/08 G02C7/08N G02C9/00 G05D1/00C1 G06F1/16P5 G06F1/16P9K12 G06F3/00B6 G06F3/01B G06F3/01B4 G06F3/01G G06Q30/02 G06Q30/0261 S02B27/00T S02B27/01A10 S02B27/01A11 S02B27/01A15 S02B27/01A2 S02B27/01A3 S02B27/01A4 S02B27/01A5 S02B27/01A6 S02B27/01A9 S02B27/01A9A S02B27/01C3 S02B27/01D4 S02B5/18 S02B5/30 S02B5/30P2 S02B6/00 S02B6/00L6 S02B6/12M2

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**Family:**

Publication number	Publication date	Application number	Application date
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WO2012US57387	20120926	US20150740710	20150616	US20150985817	20151231
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US20170669583	20170804				

Probable Assignee: MICROSOFT TECHNOLOGY LICENSING LLC

Assignee(s): (std): BIETRY JOSEPH ; BORDER JOHN N ; CELLA CHARLES ; HADDICK JOHN D ; KING III ROBERT W ; OSTERHOUT GROUP INC ; LOHSE ROBERT MICHAEL ; KING ROBERT W ; MILLER GREGORY D ; NORTRUP ROBERT J ; NORTRUP EDWARD H ; MICROSOFT CORP ; MICROSOFT TECHNOLOGY LICENSING LLC ; MICROSOFT TECH LICENSING LLC ; WILDER KELLIE A ; POLINKO NICHOLAS R ; OSTERHOUT RALPH F ; STOVALL ROSS W

Assignee(s): OSTERHOUT GROUP INC153 TOWNSEND STREETSUITE 570SAN FRANCISCOCA94107US ; MICROSOFT CORPONE MICROSOFT WAYREDMONDWA98052-6399US

Inventor(s): (std): BIETRY JOSEPH ; BORDER JOHN N ; KING ROBERT W ; MILLER GREGORY D ; STOVALL ROSS W ; WILDER KELLIE A ; POLINKO NICHOLAS R ; OSTERHOUT RALPH F ; LOHSE ROBERT MICHAEL ; KING III ROBERT W ; HADDICK JOHN D ; SHAMS NIMA L ; NORTRUP ROBERT J ; NORTRUP EDWARD H ; CELLA CHARLES

Inventor(s): BORDER JOHN NUS ; BIETRY JOSEPHUS ; HADDICK JOHN DUS ; LOHSE ROBERT MICHAELUS

Agent(s): A J PARK; AJ PARK; BORDEN LADNER GERVAIS LLP; SMART AND BIGGAR; FINDLAY ALICE ROSEMARY; FISCHER MICHAEL MARIA; YAMAMOTO OSAMU; TAKEUCHI SHIGEO; ONO SHINJIRO; KOBAYASHI YASUSHI; NAKANISHI MOTOHARU; NAKAMURA SHOGO; GTC LAW GROUP LLP AND AFFILIATES; RACHAEL; MICKY; JIM; LEONARD; JEREMY; JUDY; MICAH; ALLEMAN HALL CREASMAN AND TUTTLE LLP; OKEY DAVID W

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 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 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

Title: AUGMENTED REALITY PANORAMA SUPPORTING VISUALLY IMPAIRED INDIVIDUALS

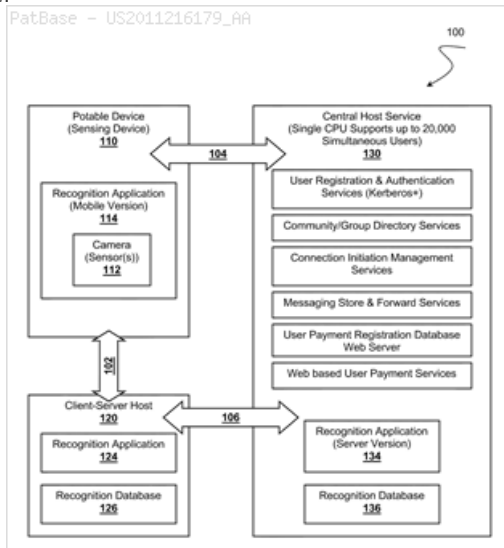
Abstract: Source: US2011216179A There is presented a system and **method** for providing real-time object recognition to a remote **user**. The system comprises a portable communication device including a camera, at least one client-server host device remote from and accessible by the portable communication device over a network, and a recognition database accessible by the client-server host device or devices. A recognition application residing on the client-server host device or devices is capable of utilizing the recognition database to provide real-time object recognition of visual imagery captured using the portable communication device to the remote **user** of the portable communication device. In one embodiment, a sighted assistant shares an augmented reality panorama with a visually impaired **user** of the portable communication device where the panorama is constructed from sensor data from the device.

Classifications:

International (IPC 8-9): A61F9/08 A61H3/06 G06F15/16 G06F17/30 G06F3/00 G06F3/048 G06K9/00 G06K9/22 G06T19/00 G09B21/00 G09B5/12 G09G5/00 H04M1/725 H04N13/00 H04N5/262 H04N7/14 H04N7/18 H04W88/02 (Advanced/Invention)

CPC: G06K9/00671 A61H3/061 A61H2201/0157 A61H2201/501 A61H2201/5048 A61H2201/5092 G06F17/30247 G06F17/30876 G06K9/00664 G06K9/22 H04M1/72594 G09B21/005 G09B21/008 G09B5/125 A61F9/08

US: 348/157 348/39 348/62 348/62P 348/E7.085 348/E70.855 382/103 382/114 382/123 382/170 382/236 434/112

**Family:**

Publication number	Publication date	Application number	Application date
CN102906810 A	20130130	CN201180020715	20110224
CN102906810 B	20150318	CN201180020715	20110224
EP2539883 A1	20130102	EP20110748061	20110224
IN07373DN2012 A	20140221	IN2012DN07373	20120823
JP2013520757 T2	20130606	JP20120555144T	20110224
JP5709906 B2	20150430	JP20120555144T	20110224
KR101487944 B1	20150130	KR20127024974	20110224
KR20130039720 A	20130422	KR20127024974	20110224
KR20150008840 A	20150123	KR20147015614	20110224
US2011216179 AA	20110908	US20110034326	20110224
US2014218493 AA	20140807	US20130085541	20131120
US2017069227 AA	20170309	US20160353016	20161116
US8605141 BB	20131210	US20110034326	20110224
US9526658 BB	20161227	US20130085541	20131120
WO11106520 A1	20110901	WO2011US26066	20110224

Priority:

US20100307675P 20100224 US20100339071P 20100226 US20110034326 20110224
 WO2011US26066 20110224 US20130085541 20131120 US20160353016 20161116

Probable Assignee: NANT HOLDINGS IP LLC

Assignee(s): (std): BLANCHARD CHARLES ; DIALAMEH ORANG ; DORCEY TIMOTHY C ; IPPLEX HOLDINGS CORP ; MILLER DOUGLAS ; SUDOL JEREMI M ; NANT HOLDINGS IP LLC

Assignee(s): NANT VISION INC

Inventor(s): (std): DIALAMEH ORANGE ; SUDOL JEREMI M ; MILLER DOUGLAS ; DORCEY TIMOTHY C ; DIALAMEH ORANG ; BLANCHARD CHARLES

Agent(s): DENNEMEYER AND ASSOCIATES SA; FISH AND ASSOCIATES PC; STETINA BRUNDA GARRED AND BRUCKER; WITCHEY NICHOLAS J 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 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 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

Title: TELEPROMPTING SYSTEM AND **METHOD**

Abstract: Source: US2011298935A A teleprompter system and **method** include use of a touch-screen **interface** positioned intermediate to the **user** and a camera such that the camera captures the **user's** image through a transparency of the touch-screen **interface**. The touch screen **interface** is coupled to a computer and is operably connected so as to enable **user** control and manipulation of interactive media content generated by the computer. A video mixing component integrates images captured by the camera with interactive media content generated by the computer, as may be manipulated by the **user** via the touch-screen **interface**, to generate a coordinated presentation. The coordinated presentation can be received by one or more remote devices. The remote devices can further interact with at least the interactive media content.

Classifications:

International (IPC 8-9): G06F15/16 G06F17/00 G06F17/22 G06F17/30 G06F3/00 G06F3/048 G06F3/0482 G06F3/0484 G06Q30/02 G11B27/02 G11B27/031 G11B27/10 G11B27/11 G11B31/00 H04L29/06 H04N21/236 H04N21/258 H04N21/431 H04N21/472 H04N21/4722 H04N21/4782 H04N21/4788 H04N21/658 H04N21/6587 H04N21/81 H04N21/845 H04N21/85 H04N21/8545 H04N21/8547 H04N21/858 H04N5/222 H04N5/225 H04N5/228 H04N5/262 H04N5/265 H04N5/445 H04N5/45 H04N7/14 H04N7/15 (Advanced/Invention);

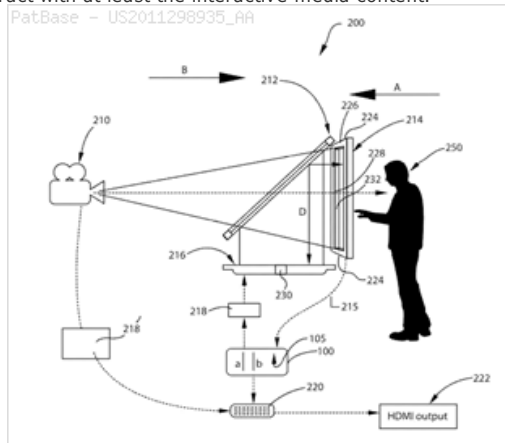
G06F3/0488 G06F3/16 (Advanced/Non-invention);

G06F (Subclass/Invention)

CPC: G06F17/00 G06F17/2235 H04L65/1069 G06F3/0482 G06F3/04842 G06F17/2247 G06Q30/0277 H04N21/8456 H04N21/85 H04N7/15 G06F3/04883 G06F3/167 G11B27/10 G11B27/11 H04N21/23614 H04N21/4312 H04N21/47217 H04N21/8126 H04N21/8545 H04N21/8547 H04N21/858 H04N5/265 H04N21/812 H04L12/1813 H04N21/25891 H04N21/6582 H04N21/8133 G06F3/0483 G11B27/031 H04N5/2222 H04N5/44513 H04N21/4316 H04N21/4722 H04N21/4782 H04N21/4788 H04N21/6587 H04N2005/44521 H04N2005/44573 H04N5/2628 H04L65/403

European: H04N5/222P

US: 1/1 348/14.08 348/207.1 348/207.100P 348/222.1 348/564 348/722 348/E5.024 348/E50.24S 382/254 386/282 715/716 715/719 715/730 715/753

**Family:**

Publication number	Publication date	Application number	Application date
EP2577423 A2	20130410	EP20110790413	20110602
EP2577423 A4	20140226	EP20110790413	20110602
EP3014467 A2	20160504	EP20140816735	20140626
EP3014467 A4	20170301	EP20140816735	20140626
EP3175372 A1	20170607	EP20150828271	20150730
HK1224403 A1	20170818	HK20160112754	20161104
KR20130126573 A	20131120	KR20137000074	20110602
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US2014009686 AA	20140109	US20130938955	20130710
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WO11153358 A2	20111208	WO2011US38938	20110602
WO11153358 A3	20120202	WO2011US38938	20110602
WO14210379 A2	20141231	WO2014US44437	20140626
WO14210379 A3	20150507	WO2014US44437	20140626
WO16019146 A1	20160204	WO2015US42916	20150730
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Priority:

US20100350779P	20100602	US20100370435P	20100803	US20100370453P	20100804
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Probable Assignee: TOUCHCAST LLC

Assignee(s): (std): BMUSE GROUP LLC ; FUTURITY VENTURES LLC ; SEGAL EDO ; TOUCHCAST LLC

Inventor(s): (std): EDO SEGAL ; GUERRERO DANIEL ; MILLER CHARLES ; PANIN DMYTRO ; SEGAL EDO

Agent(s): JOHNSON RICHARD ALAN; KOLSTER OY AB; LEASON ELLIS LLP; REINITZ ARIEL ET AL; FELBER JOEL J 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

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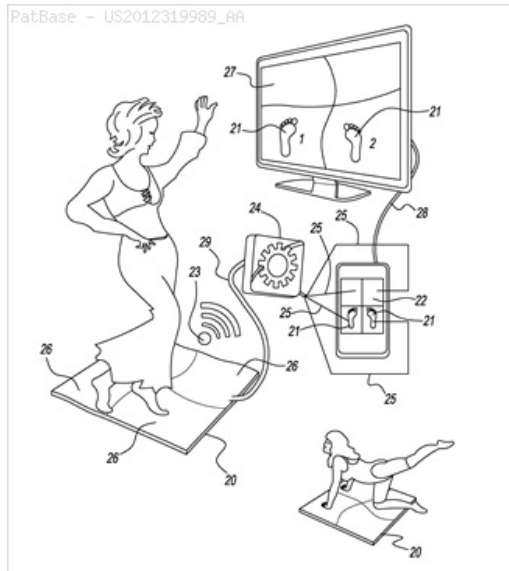
Title: VIDEO-GAME CONTROLLER ASSEMBLIES DESIGNED FOR PROGRESSIVE CONTROL OF ACTIONABLE-OBJECTS DISPLAYED ON TOUCHSCREENS: EXPANDING THE **METHOD** AND BREADTH OF TOUCH-INPUT DELIVERY

Abstract: Source: US2012319989A Remote-controller assemblies for touchscreens provide for the capture, translation and/or transmission (both directly, in a conductive channel, and indirectly) of the control input of a **user-user** motions, thematically-for corresponding capacitive discharge at a touchscreen. A remote motion-sensing input device plurality register a **user** motion input or input plurality for respective output to an intermediary-transceiver device for processing and transmission of a capacitive load to attached output ends connected to a touchscreen. The attached output ends act as a capacitive input in controlling an on-screen actionable object or object plurality seeking said capacitive input. Various specialty controllers are introduced as mats, musical instruments, steering-wheel assemblies, hockey sticks, golf clubs, baseball bats and gloves, bowling balls and DJ stations.

Classifications:

International (pc8-9): A63F13/02 G06F13/00 G06F13/16 G06F3/00 G06F3/041 G06F3/044 G06F3/045 G06F3/14 (Advanced/Invention)
CPC: A63F2300/1018 A63F2300/1031 A63F2300/1043 A63F2300/1051 A63F2300/1056 A63F2300/1062 A63F2300/1075 A63F2300/1093 A63F2300/6072 A63F2300/6081 A63F2300/8047 G06F3/0416 G06F2203/0381 A63F13/2145 A63F13/213 A63F13/235 A63F13/245 A63F13/428 G06F3/038

US: 345/173 345/174



Family:

Publication number	Publication date	Application number	Application date
US2012319989 AA	20121220	US20110249194	20110929
WO12176142 A2	20121227	WO20121B53125	20120620
WO12176142 A3	20130321	WO20121B53125	20120620

Priority:

US20110249194 20110929 US20110499172P 20110620

Probable Assignee: ARGIRO CHRIS

Assignee(s): (std): ARGIRO CHRIS

Inventor(s): (std): ARGIRO CHRIS

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 QA RO RS RU RW 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

Title: A HEAD-MOUNTABLE DISPLAY WITH **GESTURE** RECOGNITION

Abstract: Source: GB2494907A A head-mountable display system 10 includes a frame 30 to be mounted onto an observer's head 20, the frame defining one or two eye display positions which, in use, are positioned in front of a respective eye of the observer; a display element 60 mounted with respect to each of the eye display positions, the display element providing a virtual image of a video display of a video signal from a video signal source to that eye of the observer without entirely obscuring the observer's view of the environment in line with the virtual image of the video display. One or more cameras 80 are directed away from the observer towards the position of the virtual image of the video display. There is provided a **gesture** detector for detecting **gestures** by the observer in the field of view of the one or more cameras; a processor for detecting the image position with respect to an image displayed on the virtual image of the video display which is coincident, from the observer's point of view, with the detected **gesture**; and a controller for controlling the video signal source to vary the video signal in dependence upon a detected **gesture** and the detected image position coincident with the detected **gesture**. Additional cameras may be used to track eye **movement** and/or identify a **user**. The **gesture** may be used to control video replay or a gaming or processing machine.

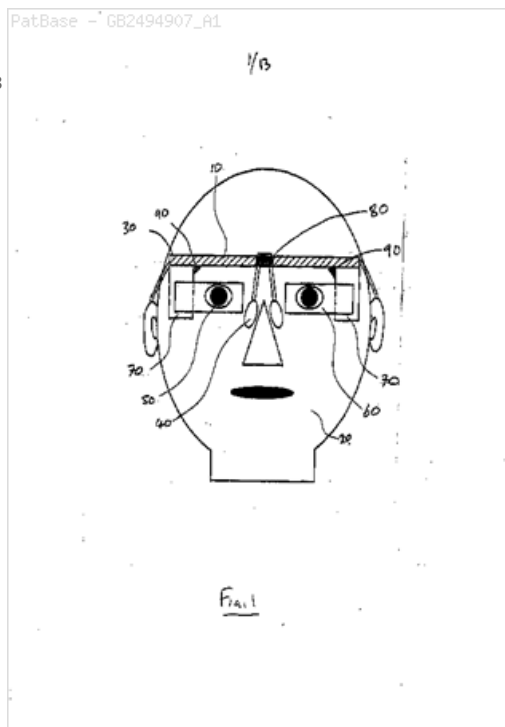
Classifications:

International (IPC 8-9): G02B27/01 G06F3/00

G06F3/01 (Advanced/Invention)

CPC: G02B27/017 G06F3/005 G06F3/011 G06F3/017 G02B2027/0138

G02B2027/0178 G02B2027/0187



Family:

Publication number	Publication date	Application number	Application date
GB201116467 A0	20111109	GB20110016467	20110923
GB2494907 A1	20130327	GB20110016467	20110923

Priority:

GB20110016467 20110923

Probable Assignee: SONY CORP

Assignee(s): (std): SONY CORP ; SONY EUROP LTD ; SONY EUROPE LTD

Inventor(s): (std): LODWEYCKX STEFAN

Inventor(s): STEFAN LODWEYCKX

Title: DEVICE, **METHOD**, AND GRAPHICAL **USER INTERFACE** FOR SWITCHING BETWEEN CAMERA **INTERFACES**

Abstract: Source: US2014362274A A **method** is performed at an electronic device with a display, a touch-sensitive surface, and a camera. The device displays a first camera **interface** on the display for a first virtual camera that produces media with first output dimensions. While displaying the first camera **interface** on the display, the device detects a first **gesture** that includes **movement** of a contact in a first direction on the touch-sensitive surface. The first **gesture** does not interact with a predefined camera-switching affordance. In response to detecting the first **gesture**, the device switches from displaying the first camera **interface** to displaying a second camera **interface** for a second virtual camera that produces media with second output dimensions different from the first output dimensions. The second camera **interface** is different from the first camera **interface**.

Classifications:

International (IPC 8-9): G06F15/00 G06F3/00 G06F3/0481

G06F3/0484 G06F3/0485 G06F3/0488

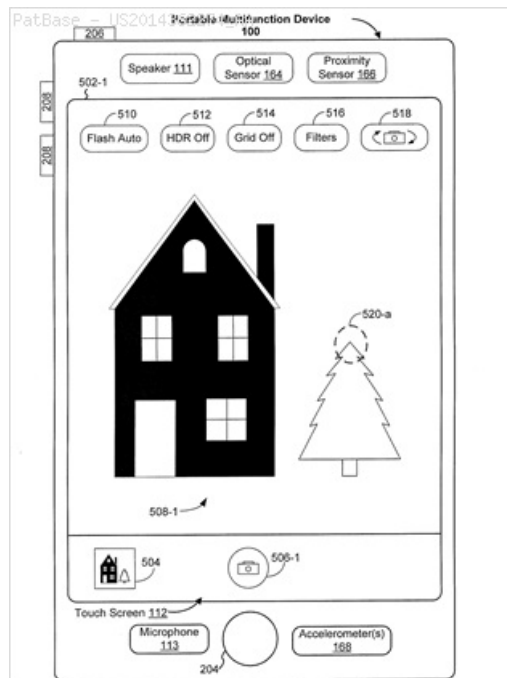
H04N5/232 (Advanced/Invention);

G06F (Subclass/Invention)

CPC: G06F3/04847 H04N5/23216 H04N5/23293 G06F3/0488

G06F3/0485 G06F2203/04805

US: 348/333.11 715/763



Family:

Publication number	Publication date	Application number	Application date
AU2014100583 AD	20140703	AU20140100583	20140530
AU2014100583 BD	20150219	AU20140100583	20140530
CN105264480 A	20160120	CN201480032640	20140530
DE202014004572 U1	20141030	DE201420004572U	20140530
EP3008573 A1	20160420	EP20140733909	20140530
HK1219147 A1	20170324	HK20160107037	20160617
HK1223171 A1	20170721	HK20160111402	20160929
JP2016521886 T2	20160725	JP20160519535T	20140530
KR101751360 B1	20170627	KR20157036748	20140530
KR20160016910 A	20160215	KR20157036748	20140530
US2014362274 AA	20141211	US20140290922	20140529
WO14200734 A1	20141218	WO2014US40413	20140530

Priority:

US20130832958P 20130609 US20140290922 20140529 WO2014US40413 20140530

Probable Assignee: APPLE INC

Assignee(s): (std): APPLE INC

Inventor(s): (std): CHAUDHRI IMRAN ; CHAUDHRI IMRAN I ; CHRISTIE GREGORY ; CHRISTIE GREGORY G ; CHRISTIE GREGORY N

Agent(s): FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; BARTON RUSSELL GLEN; OHTSUKA FUMIAKI; DESHIMARU TAKESHI; NISHIJIMA TAKAKI; WILLIAMS GARY S 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

Title: USING NATURAL **MOVEMENTS** OF A HAND-HELD DEVICE TO MANIPULATE DIGITAL CONTENT

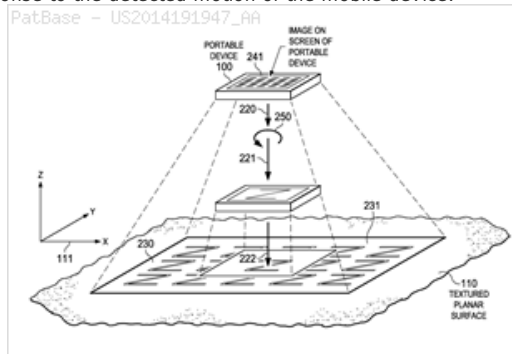
Abstract: Source: US2014191947A A mobile device, such as a smart phone, is provided with a camera. Digital content displayed on display screen of the mobile device may be manipulated in response to natural **movements** of the mobile device by a **user**. Motion of the mobile device is detected relative to a nearby textured surface by analyzing images of the textured surface. The displayed digital content is manipulated in response to the detected motion of the mobile device.

Classifications:

International (IPC 8-9): G06F3/01 G06F3/03 G06F3/0346
G06F3/0482 G06F3/0484 G06T15/04 G06T7/00 G09G5/00 G09G5/37
G09G5/377 H04N9/31 (Advanced/Invention);
G06F3/00 (Advanced/Non-invention)

CPC: G06F3/005 G06F3/0317 G06F3/0346 G09G2320/0261
G09G2340/0464 G09G2354/00 H04N9/3185 H04N9/3194 G06F3/017
G06F3/04845 G06F3/0482 G06T15/04 G06F2203/04806 G09G5/377
G06T7/73

US: 345/156



Family:

Publication number	Publication date	Application number	Application date
US2014191947 AA	20140710	US20130144254	20131230
US2017052600 AA	20170223	US20160345164	20161107
US9489925 BB	20161108	US20130144254	20131230

Priority:

US20130144254 20131230 US20130748777P 20130104 US20160345164 20161107

Probable Assignee:

TEXAS INSTRUMENTS INC

Assignee(s): (std):

TEXAS INSTRUMENTS INC

Inventor(s): (std):

SHARMA VINAY

Agent(s):

FRANK D; GREGORY J

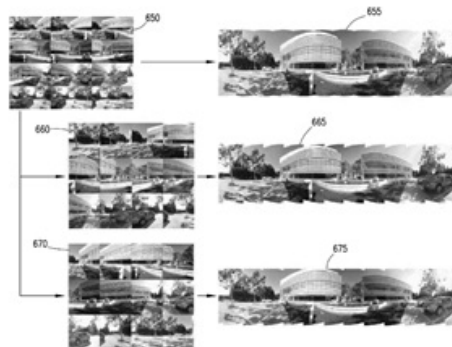
Title: INTERACTION WITH THREE-DIMENSIONAL VIDEO

Abstract: Source: US2016086379A In one embodiment, a **method** includes presenting to a **user**, on a display of a head-worn client computing device, a three-dimensional video including images of a real-life scene that is remote from the **user**'s physical environment. The **method** also includes presenting to the **user**, on the display of the head-worn client computing device, a graphical object including an image of the **user**'s physical environment or a virtual graphical object.

Classifications:

International (IPC 8-9): G02B27/00 G02B27/01 G03B35/08 G03B37/04 G06F1/16 G06F3/00 G06F3/01 G06F3/0488 G06F3/16 G06T19/00 G06T7/00 G06T7/20 H04N13/00 H04N13/02 H04N13/04 H04N19/54 H04N19/597 H04N19/61 H04N5/232 H04N5/247 H04N5/265 (Advanced/Invention)
CPC: G06T19/006 G06F1/163 G06F3/16 G06F3/005 G06F3/017 G02B27/017 H04N13/0048 H04N13/026 H04N19/597 H04N5/247 H04N5/265 H04N19/61 G06T2200/04 G02B27/0093 G06F3/013 G06F3/04886 H04N13/044 H04N13/004 H04N13/007 H04N5/23229 G02B2027/0134 G02B2027/0138 G02B2027/014 G02B2027/0187 H04N19/54 H04N13/0011 H04N13/0014 H04N13/0253 H04N13/0271 H04N13/0059 H04N13/0242 G03B35/08 G03B37/04 G06F3/011
US: 345/633 348/38 348/43 348/48

PatBase - US2016086379_AA



Family:

Publication number	Publication date	Application number	Application date
CN105659592 A	20160608	CN201580001945	20150922
CN106797459 A	20170531	CN201580051015	20150922
CN106797460 A	20170531	CN201580051097	20150922
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EP3007038 A2	20160413	EP20150186275	20150922
EP3007038 A3	20160622	EP20150186275	20150922
EP3198862 A1	20170802	EP20150844260	20150922
EP3198863 A1	20170802	EP20150845458	20150922
EP3198863 A4	20170927	EP20150845458	20150922
EP3198865 A1	20170802	EP20150845272	20150922
EP3198865 A4	20170927	EP20150845272	20150922
EP3198866 A1	20170802	EP20150843162	20150922
EP3198866 A4	20170927	EP20150843162	20150922
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IN201737006777 A	20170519	IN201737006777	20170227
IN201737013853 A	20170825	IN201737013853	20170419
KR20170052673 A	20170512	KR20177009746	20150922
KR20170052674 A	20170512	KR20177009747	20150922
KR20170052675 A	20170512	KR20177009748	20150922
KR20170052676 A	20170512	KR20177009749	20150922
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US2016088280 AA	20160324	US20150856500	20150916
US2016088282 AA	20160324	US20150856511	20150916
US2016088285 AA	20160324	US20150856504	20150916
US2016088287 AA	20160324	US20150856507	20150916
WO16048013 A1	20160331	WO2015KR09962	20150922
WO16048014 A1	20160331	WO2015KR09965	20150922
WO16048015 A1	20160331	WO2015KR09966	20150922
WO16048017 A1	20160331	WO2015KR09969	20150922

Priority:

US20140053726P 20140922	US20140053729P 20140922	US20140053737P 20140922
US20140053743P 20140922	US20150141018P 20150331	US20140053750P 20140922
US20150856493 20150916	US20150856500 20150916	US20150856511 20150916
US20150856504 20150916	US20150856507 20150916	WO2015KR09962 20150922
WO2015KR09966 20150922	WO2015KR09965 20150922	WO2015KR09969 20150922

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Assignee(s): SAMSUNG ELECTRONICS CO

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Agent(s): JENKINS RICHARD GAVIN; HGF LTD; YPLEE MOCK AND PARTNERS

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

Title: MOBILE TERMINAL AND CONTROL **METHOD** THEREOF

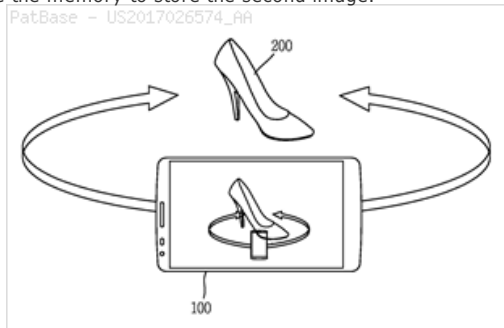
Abstract: Source: US2017026574A The present invention relates to a mobile terminal which includes a camera and a touch screen and can output an image captured by the camera on the touch screen, and a control **method** of the mobile terminal. The mobile terminal includes a camera, a sensor, a memory, a touch screen and a controller configured to cause the touch screen to display a first image received via the camera, cause the memory to temporarily store the first image displayed on the touch screen, generate a second image comprising a conflation of at least part of the first image and a plurality of consecutive images sequentially received via the camera in response to sensing by the sensor of first **movement** of the mobile terminal about a subject included in the first image, and cause the memory to store the second image.

Classifications:

International (IPC 8-9): G06F3/00 G06F3/01 G06F3/0481
G06F3/0484 G06F3/0488 G06F3/14 H04M1/725 H04N5/225
H04N5/232 (Advanced/Invention)

CPC: H04N5/23238 H04N5/23216 H04N5/2258 H04N5/23293
H04N5/23222 H04M1/72522 H04M2250/22 H04M2250/52 G06F3/005
G06F3/017 G06F3/04815 G06F3/04845 G06F3/04883 G06F3/14
G06F3/0488

US: 348/36



Family:

Publication number	Publication date	Application number	Application date
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EP3163401 A1	20170503	EP20150003094	20151029
KR20170011190 A	20170202	KR20150103311	20150721
US2017026574 AA	20170126	US20150929025	20151030

Priority:

KR20150103311 20150721

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Inventor(s): (std): KISEON LEE ; KWON YUN MI ; KWON YUNMI ; LEE KI SEON ; LEE KISEON ; YUNMI KWON

Agent(s): BEYER ANDREAS

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO
PL PT RO RS SE SI SK SM TR

Title: SMART DEVICE

Abstract: Source: US2017232300A An Internet of Thing (IoT) device includes a camera coupled to a processor; and a wireless transceiver coupled to the processor. Blockchain smart contracts can be used with the device to facilitate secure operation.

Classifications:

International (IPC 8-9): A42B3/04 A61B5/00 A61B5/0205

A61B5/0404 A61B5/11 A63B24/00 A63B43/00 A63B60/46

A63B69/36 A63B69/38 A63B71/00 A63B71/06 A63B71/14 A63F11/00

A63F13/00 A63F13/211 A63F13/212 B33Y10/00 G01L5/00 G01P15/08

G01P15/18 G06F1/16 G06F19/00 G06F3/00 G06F3/01 G06K9/00

G06K9/78 G06N5/04 G06N99/00 G09B19/00 H04N5/225 H04N7/18

H04Q9/00 H04W84/18 (Advanced/Invention);

A63B21/072 A63B69/00 A63B69/02 A63B69/06 A63B69/16

A63B69/36 A63B71/08 A63B71/10 A63B71/12 A63B71/14 G06K9/62

H04B1/04 H04B1/38 H04L29/08 H04W88/02 (Advanced/Non-invention)

CPC: A63B24/0075 A63B2230/04 A63B2230/50 A63B24/0006

A63B2208/0204 A63B24/0021 H04N7/18 H04L67/12 H04B1/38

A63B69/36 A61B5/11 A61B5/6804 A63B21/072 A63B21/0724

A63B21/0726 A63B43/004 A63B60/46 A63B69/0002 A63B69/0026

A63B69/0028 A63B69/0048 A63B69/0071 A63B69/02 A63B69/06 A63B69/16 A63B69/3632 A63B69/38 A63B71/06

A63B71/085 A63B71/10 A63B71/1216 A63B71/1291 A63B71/141 A63B71/145 A63B2071/1233 A63B2071/125

A63B2071/1283 A63B2207/02 A63B2220/12 A63B2220/13 A63B2220/16 A63B2220/20 A63B2220/24 A63B2220/30

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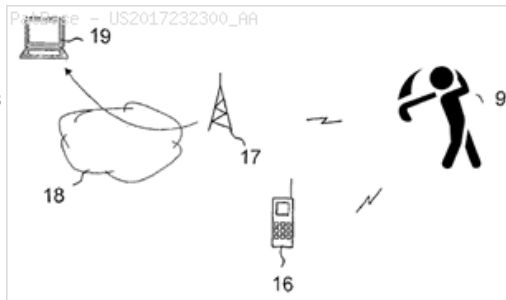
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G06F3/00 G06F3/017 G06F19/345 G06K9/6277 G09B19/0038 H04L67/10 H04N5/2253 H04N7/185 H04Q9/00 H04Q2209/40

H04W84/18 H04W88/02 G09B19/003 A63F13/211 A63F11/00 G01P15/18 A63F13/212 A61B5/02055 A61B5/0404 A61B5/1123

G06N99/005 G06N5/04 G06K9/78 G06K9/00355 G06K9/00302 G01P15/0802 A61B5/6898 A63F2300/8082 A61B2562/0219

A42B3/0433 A63B24/0062 H04B1/04 G06K9/00342 G06K9/00671 H04W4/005



Family:

Publication number	Publication date	Application number	Application date
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US2017312578 AA	20171102	US20170626087	20170617
US2017312614 AA	20171102	US20170626099	20170617
US2017318360 AA	20171102	US20170624014	20170615
US9610476 BA	20170404	US20160144773	20160502
US9713756 BA	20170725	US20170407253	20170117
US9717949 BA	20170801	US20170407248	20170116
US9717958 BA	20170801	US20170407257	20170117
US9849364 BB	20171226	US20170586199	20170503

Priority:

US20160013957 20160202	US20160144773 20160502	US20170407253 20170117
US20170407248 20170116	US20170407257 20170117	US20170586199 20170503
US20170626087 20170617	US20170626099 20170617	US20170624014 20170615

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Inventor(s): (std):

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