

Search strategy

Query
(COLOUR AND VIBRATION AND GLOVE AND HAPTIC AND AUDIO)/TX/BI/SA/KEYW//IN/PA

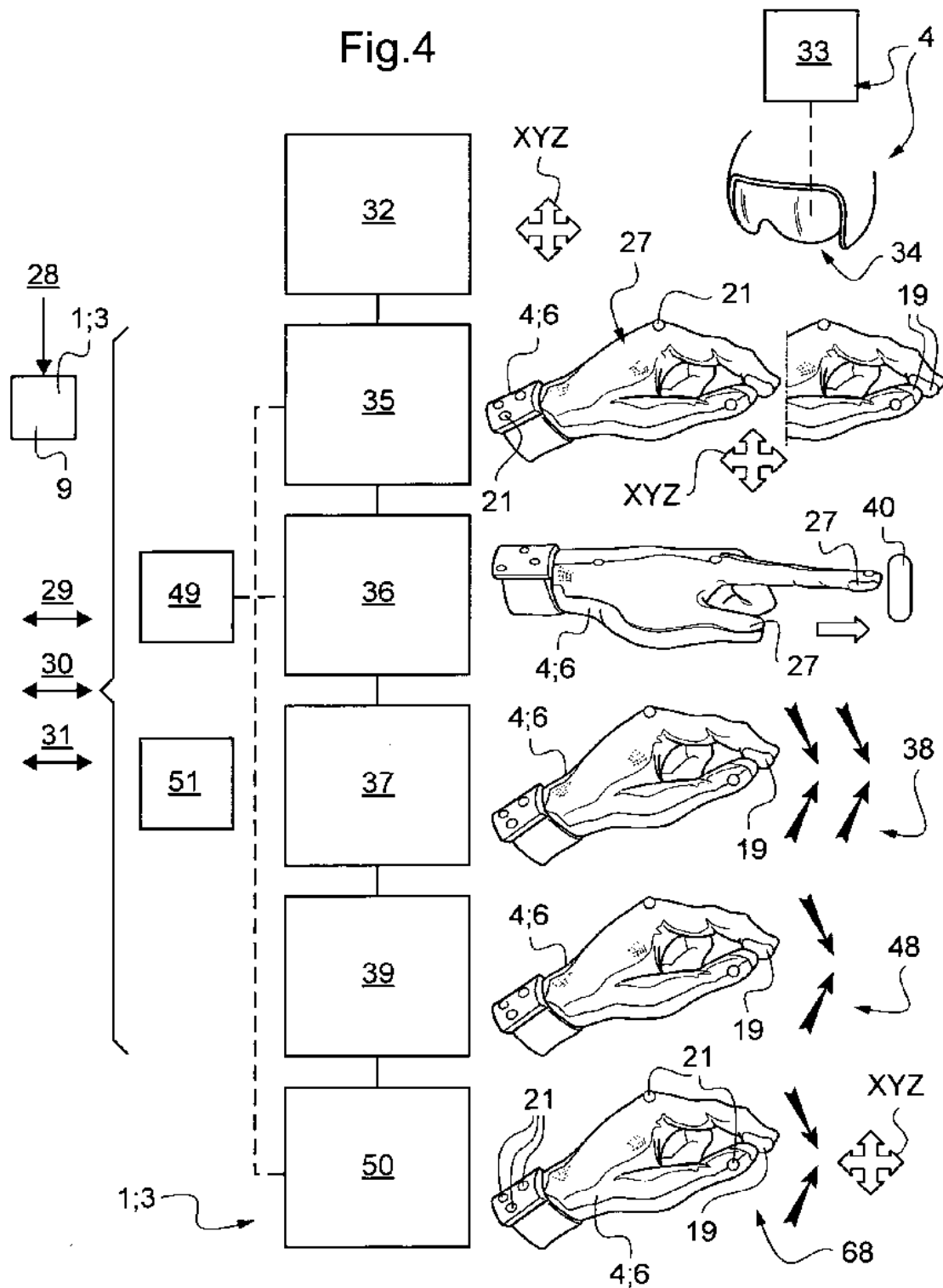
7 Documents

Publication numbers	Title	Current assignees
EP2624238 A1	Virtual mock up with haptic hand held aid	AIRBUS HELICOPTERS
EP3588250 A1	Real-world haptic interactions for a virtual reality user	IMMERSSION
WO201329083 A1	Graphics communication apparatus	MONASH UNIVERSITY
IN201611010122 A	Chroma-heptic system	AMITY UNIVERSITY
US20080058894 A1	Audiotactile vision substitution system	DEWHURST DAVID CHARLES
EP2613223 A1	System and method for enhanced gesture-based interaction	SOFTKINETIC
EP2880516 A1	Interaction sensing	SAMSUNG ELECTRONICS

Family 1/7 - FAMPAT - ©Questel

Title

(EP2624238)

Virtual mock up with **haptic** hand held aid**Images****Publication numbers with kind code & date**

EP2624238

A1 2013-08-07

EP2624238

**IPC - International classification**

G06F-003/01; G09B-009/02; G09B-009/30; G09B-009/46

Abstract

(EP2624238)

The invention relates to a replicated human-machine interface, having simulated objects (40) virtually manipulated via a hand wearable **glove** (6) during operating of a simulator mock up (1). In the **glove** (6) with finger sleeves, a 3D overall motion detection means (21) is integrated together with at least one interaction task sensor (19) and one **haptic** feed back component (27). This allows the **glove** (6) to reflect a tactile **vibration**, not only when begins a physical touch-up between the **glove** (6) and a simulated object (40). A smart magnification is offered allowing a comfortable visual display, even on a reduced sized screen. The invention can apply to airborne vehicles simulators, e.g. to simulators to rotary wing aircrafts cockpits.

Inventors

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GARCIA JIMÉNEZ ARTURO SIMON

MOLINA MASSO JOSÉ PASCUAL

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Latest standardized assignees - inventors removed

AIRBUS HELICOPTERS

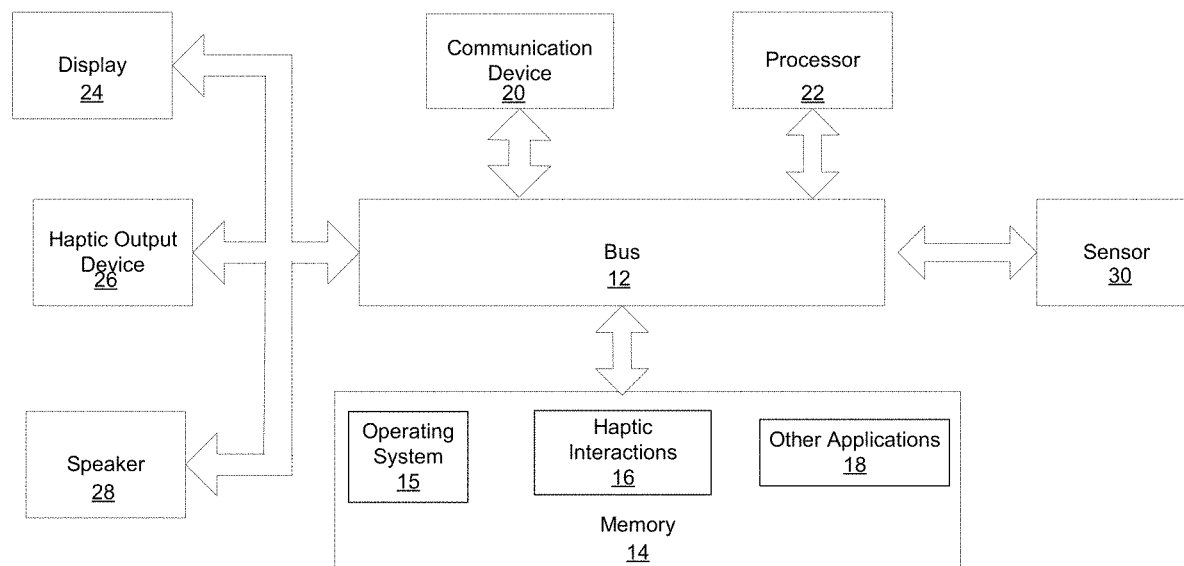
Family 2/7 - FAMPAT - ©Questel

Title

(EP3588250)

Real-world **haptic** interactions for a virtual reality user**Images**

10

**Publication numbers with kind code & date**

JP2020004395	A	2020-01-09	JP2020004395
KR10-2020-0000803	A	2020-01-03	KR20200000803
EP3588250	A1	2020-01-01	EP3588250
CN110633006	A	2019-12-31	CN110633006
US20190391647	A1	2019-12-26	US20190391647

**IPC - International classification**

G06F-003/01; G06T-019/00

Abstract

(EP3588250)

Methods, systems, and non-transitory computer readable mediums for presenting **haptic** interactions using a virtual reality system are provided. A virtual user is tracked in a virtual reality environment, the virtual user including a virtual representation of a real-world user in a real-world environment. A relative virtual location for the virtual object relative to the virtual user is determined. A **haptic** profile for the virtual object is identified. A real-world object is provided in a real-world location relative to the real-world user that corresponds to the relative virtual location, where a **haptic** property of the real-world object corresponds to the **haptic** profile for the virtual object

Inventors

RIHN WILLIAM S

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Latest standardized assignees - inventors removed

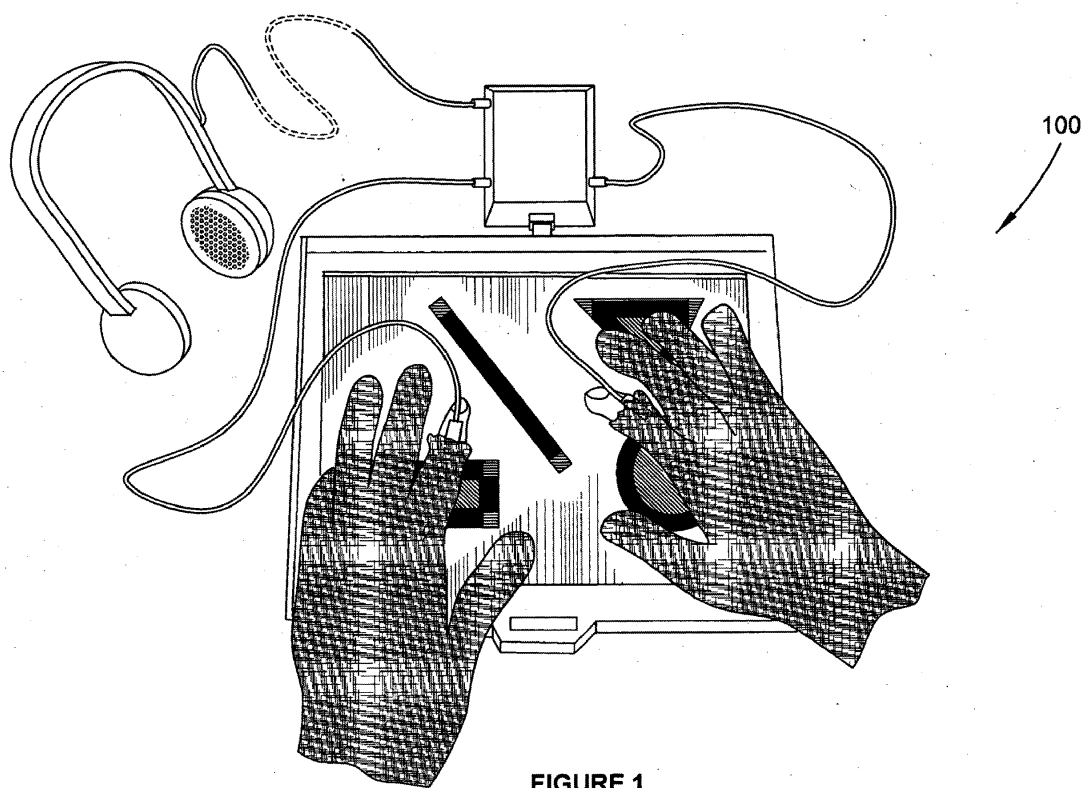
IMMERSION

Family 3/7 - FAMPAT - ©Questel

Title

(WO201329083)

Graphics communication apparatus

Images**FIGURE 1****Publication numbers with kind code & date**[WO2013/029083](#)

A1 2013-03-07

WO201329083

**IPC - International classification**

G06F-003/041; G08B-006/00

Abstract

(WO2013/029083)

A graphics communication apparatus, including: a computer with a touch sensitive visual display; and a **haptic** feedback device connected to the computer and including **vibration** actuators positioned adjacent a user's fingers to indicate the relative position of a user's finger to a graphic element presented on the display. The computer includes a touch controller configured to assign at least one touch point to a finger of a hand of a user.

Inventors

GONCU CAGATAY

MARRIOTT KIMBAL

HURST A JOHN

Latest standardized assignees - inventors removed

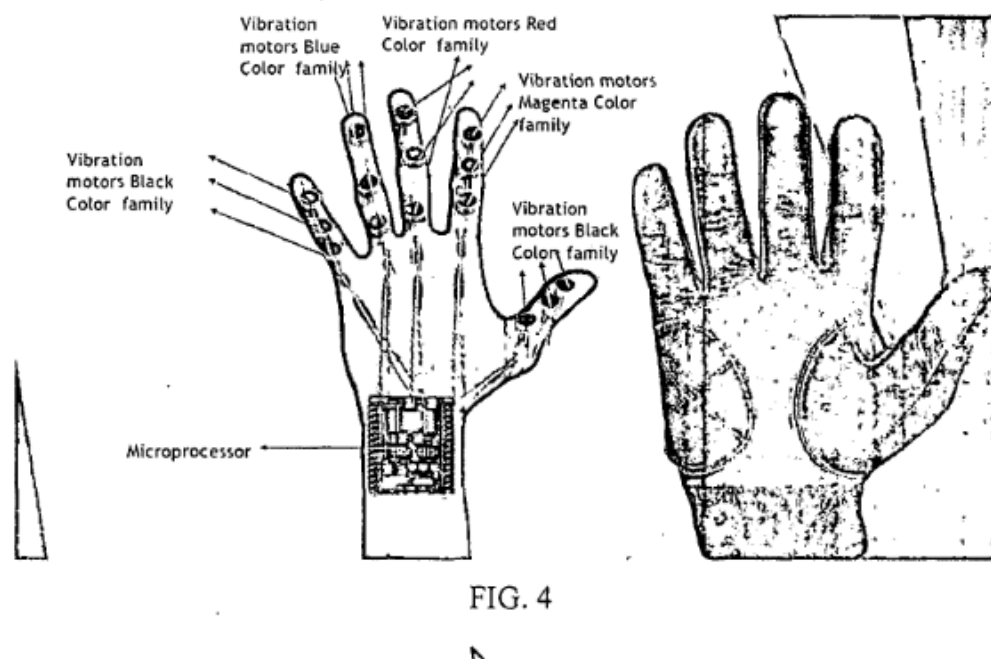
MONASH UNIVERSITY

Family 4/7 - FAMPAT - ©Questel

Title

(IN201611010122)

Chroma-heptic system

Images**Publication numbers with kind code & date**[IN201611010122](#)

A

2017-09-29

IN201611010122

**IPC - International classification**

G09B-021/00

Abstract

(IN201611010122)

The present invention provides a novel mechanism for a blind person to feel colors in a very intuitive way comprising a camera and a vibratory **glove** working in conjunction feeling colors as **vibration** on the fingers, the process for feeling colours by a blind person comprises the steps of - a viewport of the blind is captured through the glass mounted camera. The image is thus blurred and the images is reduced to sixteen colors which are strategically put in families, and accurately mapped on to the joints of fingers so that a user can intuitively understand the color pointed/coincided by his middle finger.

Inventors

JAIN SARIKA

KALRA SIDDHARTH

Latest standardized assignees - inventors removed

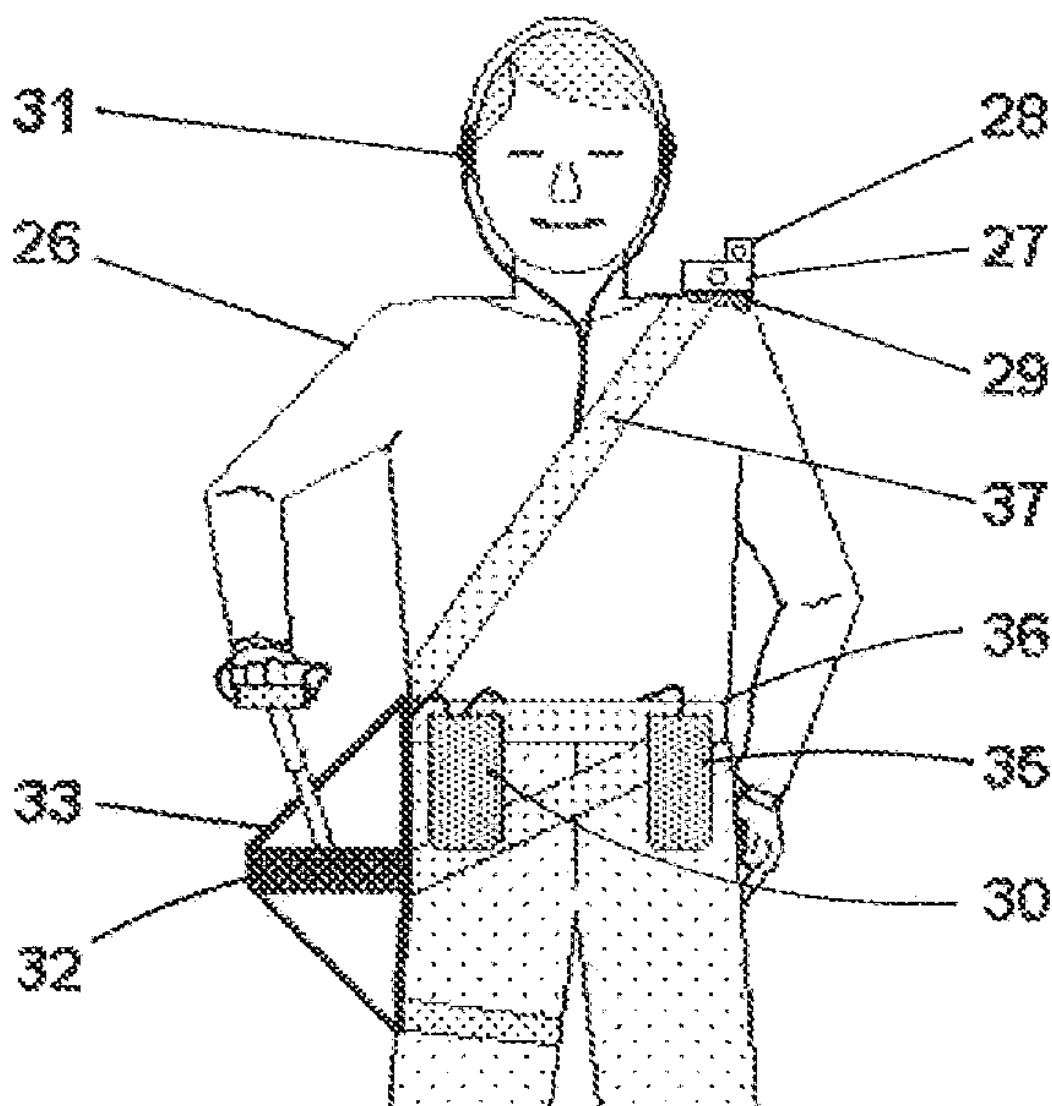
AMITY UNIVERSITY

Family 5/7 - FAMPAT - ©Questel

Title

(US8239032)

Audiotactile vision substitution system

Images**Publication numbers with kind code & date**

US8239032	B2	2012-08-07	US8239032
GB2441434	B	2010-06-23	GB2441434
US20080058894	A1	2008-03-06	US20080058894
GB2441434	A	2008-03-05	GB2441434
GB0716723	D0	2007-10-10	GB200716723

**IPC - International classification**

A61N-001/08; G06K-009/46; G09B-021/00

Abstract

(US20080058894)

One embodiment a vision substitution system for communicating **audio** and tactile representations of features within visual representations includes selecting (1) activity-related parameters; obtaining (2) images or other visual representations according to the activity-related parameters; acquiring (3) features including shapes and corners related to the visual representations according to the activity-related parameters; and outputting (4) effects related to the features on **audio** and/or tactile displays according to the activity-related parameters. The corners of shapes and other lineal features are emphasized via special **audio** and tactile effects while apparently-moving effects trace out perimeters and/or shapes.

Coded impulse effects communicate categorical visual information. Special speech and braille codes can communicate encoded categorical properties and the arrangements of properties.

Inventors

DEWHURST DAVID CHARLES

Described herein is a wireless remote control device (100) which can be used on the hand (150) of a user to provide both hardware-based control signals which can be associated with gesture-based control signals for enhanced gesture recognition systems. The device (100) comprises a housing (110) having a sensing unit having at least one control button (120, 130, 140) which is capable of generating a control signal for an associated computerised system. The housing (110) comprises an adjustable band which is ergonomically designed for use on the hand (150) of the user. The device (100) also comprises a communication module for transmitting the generated control signal to the computerised system and for receiving signals from the computerised system. A feedback module is also provided for providing contextual feedback to

the user, through the housing (110), in accordance with a signal determined by an application running on the computerised system. The control device (100) includes a controller which controls a sensing module, the communication module and the feedback module in accordance with each generated control signal. The computerised system utilises information obtained from the control device (100) together with information obtained from a gesture recognition system. The computerised system contextually manages signals provided by, and feedback signals provided to, the control device with respect to an application running on the computerised system.

Inventors

PINAULT GILLES

Latest standardized assignees - inventors removed

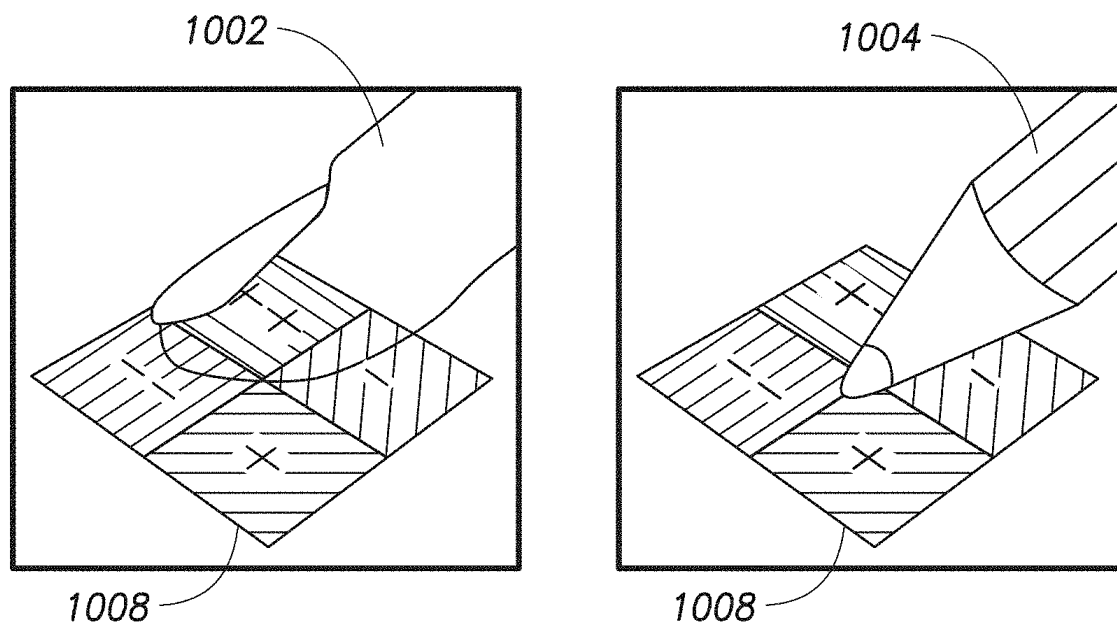
SOFTKINETIC

Family 7/7 - FAMPAT - ©Questel

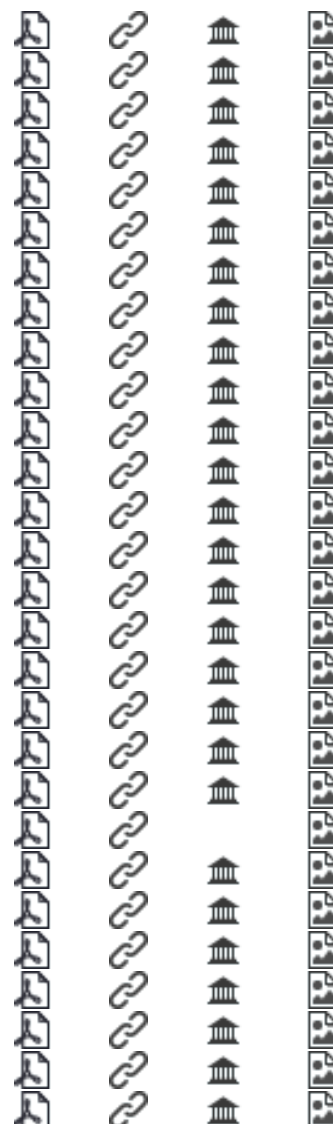
Title

(EP2880517)

Interaction sensing

Images**Publication numbers with kind code & date**

AU2014307232	B2	2019-12-12	AU2014307232
BR112015007254	A2	2019-10-08	BR112015007254
US20190286265	A1	2019-09-19	US20190286265
BR112015007254	A1	2019-09-17	BR112015007254
AU2014307234	B2	2019-08-01	AU2014307234
CN109871126	A	2019-06-11	CN109871126
US10318090	B2	2019-06-11	US10318090
CN109857257	A	2019-06-07	CN109857257
CN109828693	A	2019-05-31	CN109828693
EP3454186	A1	2019-03-13	EP3454186
CN104903826	B	2019-03-12	CN104903826B
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KR101686946	B1	2016-12-28	KR101686946				
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JP2016528636	A	2016-09-15	JP2016528636				
JP2016528637	A	2016-09-15	JP2016528637				
AU2014307235	B2	2016-08-11	AU2014307235				
US20160216794	A1	2016-07-28	US20160216794				
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JP2016509304	A	2016-03-24	JP2016509304				
EP2880515	A4	2016-01-27	EP2880515				
EP2880516	A4	2016-01-27	EP2880516				
EP2880517	A4	2016-01-20	EP2880517				
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US20150049056	A1	2015-02-19	US20150049056				
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WO2015/023133	A1	2015-02-19	WO201523133				
WO2015/023134	A1	2015-02-19	WO201523134				
WO2015/023135	A1	2015-02-19	WO201523135				

G01R-027/26; G06F-003/01; G06F-003/03; G06F-003/041; G06F-003/044; G06F-003/046; G06F-003/0488; H03K-017/96

Abstract

(EP2880517)

An embodiment of the present invention provides an apparatus comprising an insulator coupled to one or more electrodes, wherein the one or more electrodes are configured to passively sense charge displacement or a change in characteristics of electromagnetic signals in an environment.

Inventors

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Latest standardized assignees - inventors removed

SAMSUNG ELECTRONICS