

Search history

Search 1: current and electric* and inalambric* and conduct* and device and electromagn* and field and receive and transmit* and energy and layer and coating (Results 326)

Search 2: 1 and (Decorative or pattern) (Results 243)

Search 3: 2 and tac=(electric* and current and field and (electro* or magnet*)) (Results 68)

Search 4: 3 and tac=(layer) (Results 42)

Search 5: 3 and tac=(layer or sheet or ply) (Results 46)

Search 6: (4) AND PD=(2014 OR 2011 OR 2013 OR 2010 OR 2012 OR 2008 OR 2009 OR 2007 OR 2006 OR 2005 OR 2004 OR 2003 OR 2002 OR 2001 OR 1994 OR 1995) (Results 36)

Search 7: 6 and laminate* (Results 17)

Search 8: 6 and laminat* (Results 17)

Search 9: laminate* and layer and "electromagnetic field" and device and conductor and (multilayer or multiply) (Results 815)

Search 10: 9 and tac=(laminate and current) (Results 30)

Search 11: laminate* and layer and "electromagnetic field" and device and (conductor or conductive) and (multilayer or multiply) (Results 1185)

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Search 13: 12 and tac=((sheet or laminate or layer) and (electric* or magnetic*)) (Results 451)

Search 14: 13 and wireless (Results 204)

Search 15: 14 and tac=(transmit* and field and energ*) (Results 46)

Search 16: (15) AND PD=(2011 OR 2012 OR 2014 OR 2013 OR 2010 OR 2009 OR 2008 OR 2005 OR 2007 OR 2003 OR 2006 OR 2004 OR 2002 OR 2001 OR 1992 OR 1997) (Results 36)

Title: Absolute position sensor having multi-**layer** windings of different pitches providing respective indications of phase proportional to displacement

Abstract: For enabling a resolver to have absolute position sensing over a wide displacement range while still obtaining the resolution, accuracy and precision obtainable by operation in an incremental mode, the resolver is provided with a number of terminals for providing offset pitch phase indications as a function of position. A microcomputer is programmed to execute a decoding procedure for reading the offset pitch phase indications and from them computing the absolute position. This method is applicable to linear as well as rotary position sensing. By using multiplexing, digital signal processing and large-scale circuit integration for interfacing the resolver to the microcomputer, the method can achieve absolute position sensing with high reliability and low cost. The offset pitch phase indications are readily provided by inductive coupling between a multiplicity of windings, including a set of offset pitch windings connected to the terminals. A phase indicating signal is picked up using either a relatively moving pick-up **device** or a stationary coil linked by a ferromagnetic core. A radio-frequency powered modulator is provided for **wireless** transmission of the phase indicating signal from the moving pick-up **device**. The offset pitch windings are formed by photolithography on a plurality of laminations or **layers**, or by winding coils in proper registration, for example, on a multi-**layer**, multi-pitch coil form.

Classifications:

International (ipc 8-9): G01B7/00 G01B7/14 G01B7/30 G01D5/12 G01D5/20 G01D5/243 G01D5/245 G05D3/00 G08C19/06 G08C19/12 H03M1/64 (Advanced/Invention);

G01B7/00 G01D5/12 (Advanced/Non-invention);

G01B7/00 G01B7/14 G01D5/12 H03M1/64 (Core/Invention)

International (ipc 1-7): G01B7/00 G01B7/14 G01B7/30 G01D5/12 G01D5/20 G01D5/243 G01D5/245 G01R33/00 G05B1/06 G05D3/00 G08C19/06 G08C19/12 H01F21/02 H02K24/00

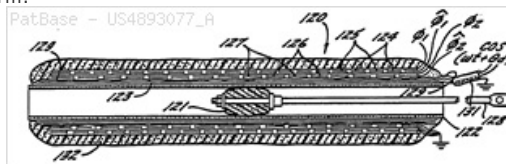
CPC: G01B7/14 G01D5/2046 H03M1/645

European: G01B7/14 G01D5/20C1 H03M1/64P

US: 318/656 318/660 324/207.16 324/207.17 324/207.24 324/207.25 324/208 324/233 324/262 336/115 336/129 336/136 336/45 340/870.31 340/870.32

JP F-Term: 2F063/AA01 2F063/AA35 2F063/BA05 2F063/BA21 2F063/BD15 2F063/CA08 2F063/CA09 2F063/CA10 2F063/CA17 2F063/DD02 2F063/GA04 2F063/GA22 2F063/GA23 2F063/GA70 2F063/GA74 2F063/GA79 2F063/KA03 2F063/KA05 2F063/LA06 2F063/LA08 2F063/LA09 2F063/LA10 2F063/LA15 2F063/LA22 2F063/LA23 2F063/LA24 2F063/LA25 2F063/LA27 2F063/LA29 2F077/AA27 2F077/AA49 2F077/PP28 2F077/QQ03 2F077/QQ05 2F077/TT00 2F077/TT21 2F077/VV01 2F077/VV11 2F077/VV33

JP F-Index: G01B7/00/G G01B7/00/101/E G01B7/00/102/M G01D5/12/Z G01D5/243/B G01D5/245/102/F



Family:

Publication number	Publication date	Application number	Application date
AU198819838 A1	19881221	AU19880019838	19880526
CA1301279 A1	19920519	CA19880567892	19880527
EP0363426 A1	19900418	EP19880906283	19880526
EP0363426 A4	19930707	EP19880906283	19880526
JP3502001 T2	19910509	JP19880505763T	19880526
US4893077 A	19900109	US19880175760	19880331
US4893078 A	19900109	US19870055422	19870528
US5003260 A	19910326	US19890453615	19891220
WO8809479 A2	19881201	WO1988US01768	19880526
WO8809479 A3	19881215	WO1988US01768	19880526

Priority:

US19870055422 19870528 US19880175760 19880331 WO1988US01768 19880526
CA19880567892 19880527 US19890453615 19891220

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Agent(s): MARKS AND CLERK

Designated states: AT AU BE BR CH DE FR GB IT JP KR LU NL SE

Title: Contact planar magnetoresistive head

Abstract: A hard disk drive head operates in close proximity and dynamic contact with a rapidly spinning rigid disk surface, the head including a transducer with a **magnetically** permeable path between a poletip disposed adjacent to the disk surface and a magnetoresistive (MR) sensor situated outside the range of thermal noise generated by the surface contact. The **magnetically** permeable path is the same as that used to write data to the disk, eliminating errors that occur in conventional transducers having MR sensors at a separate location from the writing poletips. Moreover, the **magnetically** permeable path is preferably formed in a low profile, highly efficient "planar" loop that allows for manufacturing tolerances in throat height and wear of the terminal poletips from disk contact without poletip saturation or poletip smearing. The MR **layer** is formed in one of the first manufacturing steps atop the substrate, so that the MR **layer** has a relatively uniform planar template that is free from contaminants. A preferred embodiment has a **laminated** yoke for improved high frequency efficiency, with the MR element situated between the yoke lamina for improved sensitivity.

Classifications:

International (IPC 8-9): G11B21/02 G11B21/16 G11B21/21 G11B21/22 G11B5/00 G11B5/10 G11B5/105 G11B5/127 G11B5/147 G11B5/17 G11B5/187 G11B5/23 G11B5/235 G11B5/255 G11B5/31 G11B5/39 G11B5/48 G11B5/58 G11B5/596 G11B5/60 G11B5/64 G11B5/65 G11B5/66 G11B5/667 G11B5/73 G11B5/738 G11B5/84 G11B5/85 G11B5/851 H05K1/18 (Advanced/Invention);

G11B5/40 (Advanced/Non-invention);

G11B21/21 G11B5/10 G11B5/127 G11B5/17 G11B5/187 G11B5/23 G11B5/255 G11B5/31 G11B5/39 G11B5/48 G11B5/58

G11B5/60 G11B5/62 G11B5/64 G11B5/66 G11B5/84 G11B5/85 H05K1/18 (Core/Invention);

G11B5/40 (Core/Non-invention)

International (IPC 1-7): B05D5/12 B32B3/00 B32B3/02 B32B9/00 F16M13/00 G11B21/16 G11B21/20 G11B21/21 G11B21/22 G11B5/00 G11B5/10 G11B5/105 G11B5/127 G11B5/133 G11B5/17 G11B5/187 G11B5/255 G11B5/31 G11B5/33 G11B5/39 G11B5/42 G11B5/48 G11B5/58 G11B5/596 G11B5/60 G11B5/66 G11B5/70 G11B5/82 G11B5/85 H05K1/18

CPC: G11B5/1278 G11B5/4886 G11B5/6005 G11B2005/0002 G11B5/4813 G11B5/4826 G11B5/4853 G11B5/10 G11B5/255 G11B5/58 G11B5/105 G11B21/22 G11B5/3183 G11B5/3967 G11B5/3163 G11B5/3176 Y10S428/90 H05K1/18 G11B5/72 G11B5/6082 G11B5/4833 Y10T29/49021 Y10T29/49041 Y10T29/49043 Y10T29/49064 Y10T428/24355 Y10T428/24917 G11B5/3103 G11B5/484 G11B5/7325 G11B5/3106 G11B5/8404 G11B5/6076

European: G11B21/02 G11B21/22 G11B5/10 G11B5/105 G11B5/127P G11B5/255 G11B5/31B G11B5/31B1 G11B5/31M

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G11B5/60D G11B5/64B G11B5/72 G11B5/73N3 G11B5/84B S11B5/00W S11B5/31P2H S11B5/39 S11B5/39C3 S11B5/40

US: 174/250 174/254 204/192.2 204/192.22 204/192.23 216/13 216/40 252/312 29/603 29/603.01 29/603.12 29/603.13

29/603.25 296/30 360/102 360/103 360/104 360/119.02 360/119.020P 360/119.04 360/119.040S 360/119.11 360/120

360/121 360/122 360/123.03 360/123.4 360/125 360/125.02 360/125.12 360/125.27 360/125.33 360/125.35 360/125.350S

360/126 360/135 360/234.5 360/237.1 360/244.3 360/245.1 360/245.5 360/245.9 360/246.1 360/246.100P 360/246.2

360/246.3 360/246.4 360/246.5 360/318 360/318.1 360/318P 360/97.01 360/97.11 360/97.19 360/98.01 361/749 427/131

428/141 428/209 428/65.4 428/694SG 428/694TF 428/694TR 428/835.5 428/848.1 428/848.2 428/900 G9B/005.044

G9B/005.078 G9B/005.096 G9B/005.098 G9B/005.135 G9B/005.149 G9B/005.151 G9B/005.152 G9B/005.155 G9B/005.231

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JP F-Term: 5D033/5D033/AA01 5D033/AA02 5D033/AA05 5D033/BA07 5D033/BA37 5D033/BA52 5D033/DA03

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JP F-Index: G11B5/31/C G11B5/31/F G11B5/31/L G11B5/31/A G11B5/60/P G11B5/60/V G11B5/60/Y G11B5/64 G11B5/65

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G11B5/31/P G11B21/21/Z G11B21/21/101/K G11B21/21/101/L G11B5/60/B

Family:

Publication number	Publication date	Application number	Application date
AT146293 E	19961215	AT19900310697T	19900928
AT157189 E	19970915	AT19920300882T	19920203
AT161996 E	19980115	AT19920309810T	19921027
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CA2101097 AA	19940124	CA19932101097	19930722
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EP0508565 A2	19921014	EP19920300882	19920203
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EP0517980 A1	19921216	EP19910307178	19910805
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EP0540282 A3	19930630	EP19920309810	19921027
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US5557488 A	19960917	US19930011890	19930201
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US6212047 BA	20010403	US19960771468	19961220
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WO9615526 A1	19960523	WO1995US14680	19951113
WO9629697 A1	19960926	WO1996US03793	19960320
WO9707503 A1	19970227	WO1996US13316	19960814
WO9710591 A1	19970320	WO1996US14616	19960911
WO9723867 A1	19970703	WO1996US20889	19961220
WO9800841 A1	19980108	WO1997US11408	19970626

Priority:

US19890441716	19891127	CA19902026871	19901003	US19900632958	19901221
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Inventor(s): (std): ANDERSON RICHARD D ; AZARIAN MICHAEL H ; BALDWINSON MICHAEL ; BALDWINSON MICHAEL A ; BERDING KEITH ; BERDING KEITH R ; CAIN WILLIAM ; CAIN WILLIAM C ; CHUN KAYNAM ; DEVILLIER MICHAEL ; DEVILLIER MICHAEL E ; GARRETTSON GARRETT A ; GLUCK RANDOLPH S ; GUDEMAN CHRISTOPHER S ; HAMILTON HARALD J ; HAMILTON HAROLD ; HAMILTON HAROLD J ; HEMPSTEAD ROBERT ; HEMPSTEAD ROBERT D ; IMAI DARREN ; IMAI DARREN T ; JARRAMI ANTHONY A ; KIM KWANG K ; LATEV DIMITRE ; LATEV DIMITRE A ; LATEV DIMTRE A ; LAUER MARK ; LAUER MARK A ; MARTIN TIMOTHY ; MARTIN TIMOTHY W ; MCALEAVEY MICHAEL E ; PAYNE ALEXANDER ; PAYNE ALEXANDER P ; ROBERTS DAVID ; ROBERTS DAVID D ; TANAKA SHINICHI M ; STEVEN TAYLOR ADAMY ; GUDEMAN CHRISTOPHER ; GARRETSON GARRETT A ; CHUN KAYNUM ; RICHIIYAADO DEE ANDAASON ; HARORUDO JIEI HAMIRUTON ; HARORUDO JEI HAMIRUTON

Inventor(s): HAMILTON HAROLD J SANTA CLARA CALIFORNIA 95051 US ; ANDERSON RICHARD D SUNNYVALE CALIFORNIA 94087 US ; HAMITON HAROLD J

Agent(s): FETHERSTONHAUGH AND CO; FISH AND RICHARDSON PC

Designated states: AT BE CA CH CN DE DK ES FI FR GB GR IE IT JP KR LI LU MC NL PT SE SG

Title: Scanning module for a bar code reader with a focusing lens

Abstract: An integrated scanner for scanning a barcode is formed on a common substrate. The scanner may include a micro-machined mirror, a laser diode, and a detector, mounted on a single substrate or several connected substrates. Lenses can be used to focus a laser beam from the laser diode as well as expand a laser beam deflected by the micro-machined mirror. The scanner may also scan a barcode without using a micro-machined mirror by rotating the laser diode.

Classifications:

International (ipc 8-9): G02B26/08 G02B26/10 G02B5/08 G06K7/10 G06K9/74 H01S3/101 (Advanced/Invention); G02B26/10 G06K7/10 H01S5/183 H01S5/42 (Advanced/Non-invention); G02B26/10 G06K7/10 (Core/Invention); H01S5/00 (Core/Non-invention)

International (ipc 1-7): G02B26/08 G02B26/10 G02B5/08 G06K7/10 G06K7/14 G06K9/22 G06K9/74 H01J65/02 H01L25/16 H01S3/02 H01S3/025 H01S3/101 H01S5/10 H01S5/40

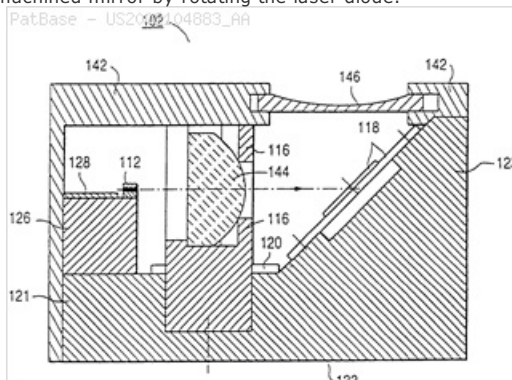
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US: 235/454 235/454P 235/462.01 235/462.25 235/462.32 235/462.320P 235/462.33 235/462.35 235/462.36 235/462.38 235/462.41 235/462.42 235/462.43 235/462.45 235/462.46 235/470 235/472 235/472.01 250/239 359/196 359/196.1 359/198 359/199 359/205 359/212 359/212.1 359/212.100P 359/212.2 359/214.1 359/223 359/224 359/224.1

JP F-Term: 2H045 2H045/AA00 2H045/AA62 2H045/AB81 2H045/BA02 2H045/BA18 2H045/DA04 2H045/DA31 5B072 5B072/AA03 5B072/CC24 5B072/CC38 5B072/DD02 5B072/JJ11 5B072/LL00 5B072/LL12 2H045/AB01 2H045/AB16 5B072/AA06 5B072/HH20 5B072/JJ08 5B072/LL01 5B072/LL04 5B072/LL07 5B072/AA02 5B072/BB00 5B072/BB04 5B072/CC06 5B072/CC16 5B072/JJ04 5B072/KK02 5B072/LL19 5B072/MM04 5B072/MM12

JP F-Index: G02B26/10/104 G06K7/10/D G06K7/10/H G06K7/10/344 G02B26/10/D G02B26/10/101 G06K7/10/B G06K7/10/364 G06K7/10/C G06K7/10/312 G06K7/10/340 G06K7/10/372 G06K7/10/380 G06K7/10/408



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Publication number	Publication date	Application number	Application date
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Probable Assignee: SYMBOL TECHNOLOGIES INC

Assignee(s): (std): BARD SIMON ; BARKAN ERIC ; BHARGAVA VIKRAM ; BRIDGELALL RAJ ; KATZ JOSEPH ; LI YAJUN ; DVORKIS PAUL ; SWARTZ JEROME ; STERN MIKLOS ; OLYMPUS OPTICAL CO ; SYMBOL TECHNOLOGIES INC ; WEITZNER MARK ; TAN CHINH ; SHEPARD HOWARD ; FUSCO ANDREW ; MAZZ THOMAS

Assignee(s): CONCEPTS IMPLEMENTATION GROUP MAIN ST USA ; OLYMPUS CORP ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; SYMBOL TECHNOLOGIES NC ONE SYMBOL PLAZA MAIL STOP ; SYMBOL TECHNOLOGY INC ; SYMBOL TECHNOLOGIES NC ; SYMBOL TECHNOLOGIES ; SYMBOL TECHNOL INC ; OLYMPUS OPTICAL CO LTD ; SHINBORU TEKUNOROJIIZU INC ; SYMBOL TECHNOLOGIES INC HOLTSVILLE N Y US ; JPMORGAN CHASE BANK NA ; CONCEPTS IMPLEMENTATION GROUP MAIN ST

Inventor(s): (std): BARD SIMON ; BRIDGELALL RAJ ; CAMPANELLI JOSEPH ; DIFAZIO COSTANZOE ; DVORKIS PAUL ; FAZEKAS PETER ; GROSSFELD HENRY ; GUREVICH VARL ; KRICHEVER MARK ; MARTINO GREG ; MAZZ THOMAS ; MCGLYNN DANIEL R ; METLITSKY BORIS ; STRAT ASKOLD ; TAN CHINH ; YAJUN LI ; MIKLOS STERN ; JOSEPH KATZ ; JEROME SWARTZ ; GUREVICH VLADIMIR YURI ; SWARTZ JEROME ; STERN MIKLOS ; SHEPARD HOWARD ; RAY CURTIS ; MIKUROSU SUTAN ; LI YAJUN ; KATZ JOSEPH ; JIYOSSEFU KATSUTSU ; JIYOSSEFU KANPANERI ; JIEROOMU SUUOOTSU ; GUREVICH VLADIMIR ; GOREN DAVID ; FUSCO ANDREW ; BHARGAVA VIKRAM ; BARKAN ERIC ; YAAYUN RI ; WEITZNER MARK ; VU TOAN

Inventor(s): SWARTZ JEROME SETAUKET NY 11733 US ; DANIERU AARU MAKUGIRIIN ; BORISU METORISUKII ; BURAJIMIIRU GUREBITSUCHI ; JEROOMU SUOOTSU ; METLISTSKY BORIS ; MAAKU KURISHIEBAA ; POORU DOBORUSUKII

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; KIRBY EADES GALE BAKER; KIRSCHSTEIN OTTINGER ISRAEL AND SCHIFFMILLER PC; KIRSCHSTEIN ET AL

Designated states: CH DE ES FR GB IT LI NL

Title: Light beam scanning pen, scan module for the **device** and method of utilization

Abstract: A high speed non-contact beam scanning **device** sized and shaped to provide the ergonomic benefits of a pen or wand, yet can scan a wide angle moving beam across an information-bearing target in one or two dimensional scan **patterns** such as lines, rasters or other **patterns** in order to read information therefrom. The **device** is well suited for reading one or two dimensional bar-code or other printed matter. In order to achieve the high density optical packaging necessary for its high performance to size benefits the **device** employs a novel in-line or "axial" gyrating, or "axial" scan element. The axial scan element can accept an input light beam at one end and cause it to emerge from its opposite end as a scanned beam, propagating in the same general forward direction it had upon entering the element. Reflected light, which carries information contained on the target, is collected by an internal non-imaging light collector and is processed by signal processing electronics. All components are integrated into a thin low mass module small enough to fit in a pen. Communication from the **device** is achievable by a cable or by **wireless** means.

Classifications:

International (IPC 8-9): F03G1/10 G01J3/00 G02B26/08 G02B26/10 G02B26/12 G02B27/40 G02B3/14 G02B5/12 G06K7/10 G06K9/18 H02K21/14 H02K26/00 H02K33/06 H02K33/16 H02K7/06 H02K7/065 H02K7/14 H03K17/94 H03K17/955 H03K17/96 H04N1/113 (Advanced/Invention);

H02K7/14 H04N1/113 (Advanced/Non-invention);

G02B26/08 G02B26/10 G06K7/10 H02K21/14 H02K26/00 H02K33/00 H03K17/94 (Core/Invention)

International (IPC 1-7): F03G1/02 F03G1/10 F21K7/00 G01J3/00 G02B1/06 G02B26/08 G02B26/10 G02B26/12 G02B27/40 G02B3/12 G02B3/14 G02B5/12 G02B6/10 G02B7/182 G06K7/10 G06K9/00 G06K9/18 G09G1/00 H01J5/16 H02K33/00 H02K33/06 H02K33/16 H02K7/06 H02K7/065 H02K7/14 H04N1/113

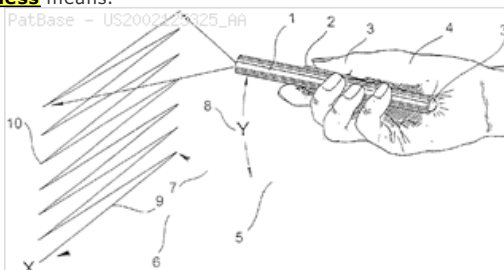
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European: G02B13/00M G02B26/10 G02B26/10B G02B26/10G G02B26/12B G02B3/14 G06K7/10S2P G06K7/10S2P2B G06K7/10S2P2D G06K7/10S2P2D2 G06K7/10S2P2D2B G06K7/10S2P2H G06K7/10S2P4B G06K7/10S2P4D G06K7/10S4M G06K7/10S4M2 G06K7/10S8B2 G06K7/10S9B G06K7/10S9D G06K7/10S9E1 G06K7/10S9F H02K21/14C H02K26/00 H02K33/06 H02K33/16 H02K7/06 H02K7/065 H03K17/94 H03K17/94L H03K17/955 H03K17/96L3 S02B13/00M S02B26/10B S02B26/10G S02B3/00G S02B5/00A S06K207/101F S06K207/101M S06K207/101P T02K201/12 T03K217/9607D7

US: 185/45 235/454 235/455 235/462 235/462.1 235/462.15 235/462.22 235/462.26 235/462.33 235/462.35 235/462.36 235/462.37 235/462.38 235/462.4 235/462.43 235/462.45 235/462.46 235/462.48 235/462.49 235/462.490P 235/467 235/470 235/472 235/472.01 235/472.02 235/472.03 235/492 250/221 250/227.22 250/229 250/235 250/236 250/353 250/566 3 310/20 310/36 310/46 348/205 359/196 359/196.1 359/198 359/198.1 359/199 359/199.1 359/199.3 359/199.300P 359/200.7 359/201 359/201.1 359/202 359/202.1 359/212.2 359/213 359/213.1 359/214.1 359/214.100S 359/224 359/224.1 359/666 359/872 359/896 359/900 362/259 362/277 362/319 385/132 385/133 385/146 385/18 385/901

JP F-Term: 2H045 2H045/AB13 2H045/AB22 2H045/BA12 2H045/BA18 5H607 5H607/AA00 5H607/BB01 5H607/BB23 5H607/CC01 5H607/CC03 5H607/CC05 5H607/DD01 5H607/DD02 5H607/DD03 5H607/DD14 5H607/EE15 5H607/EE18 5H607/EE48 5H607/FF12 2H045/AA00 2H045/AB00 2H045/AB02 2H045/BA02 2H045/BA13 2H045/CB65 2H045/DA01 5B072 5B072/AA03 5B072/CC13 5B072/CC24 5B072/DD02 5B072/JJ11 5B072/LL12 5B072/LL20 5B072/MM04 5C072 5C072/AA01 5C072/BA01 5C072/BA03 5C072/BA05 5C072/BA20 5C072/DA02 5C072/DA04 5C072/DA09 5C072/DA17 5C072/DA18 5C072/DA21 5C072/DA23 5C072/EA04 5C072/HA02 5C072/HA04 5C072/HA15 5C072/HA20 5C072/HB10 5C072/KA10 5C072/RA12 5C072/UA05 5C072/UA06 5C072/UA11 5C072/UA13 5B072/DD01 5B072/GG07 5B072/JJ09 5B072/JJ12 5B072/MM12

JP F-Index: G02B26/10/C H02K7/14/Z G02B26/10/101 G06K7/10/L G06K7/10/320 G06K7/10/328 G06K7/10/340 G06K7/10/344 G06K7/10/352 G06K7/10/360 G06K7/10/388 G06K7/10/392 G06K7/10/408 G06K7/10/424 G06K7/10/432 G06K7/10/436 H04N1/04/104/Z H04N1/053 H04N1/113 G06K7/10/J



Family:

Publication number	Publication date	Application number	Application date
AT400034 E	20080715	AT19940932084T	19941027
AU199190904 A1	19920611	AU19910090904	19911112
AU199228931 A1	19930521	AU19920028931	19921014
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Probable Assignee: SYMBOL TECHNOLOGIES INC

Assignee(s): (std): GAP TECHNOLOGIES INC ; GEO ACQUISITION CORP ; PLESKO GEORGE A ; GEO LABS INC ; SYMBOL TECHNOLOGIES INC ; GEO ACQUISITION CORP C OPSC IN

Assignee(s): GEO ACQUISITION CORP WEBSTER ; PSC INC ; SYMBOL TECHNOLOGIES INC ; JPMORGAN CHASE BANK NA ; GEO ACQUISITION CORP C OPSC INC ; GEO ACQUISITION CORP 675 BASKET ROAD C O PSC INC ; GEO ACQUISITION CORP C O PSC INC ; GAP TECHNOLOGIES INC 380 STEEPLECHASE DRIVE MEDIA ; GAP TECHNOLOGIES INC 380 STEEPLECHASE DRIVE MEDIA PA 19063 A CORP OF DE ; GAP TECHNOLOGIES INC A DE CORP ; GAP TECHNOLOGIES INC MEDIA PA US

Inventor(s): (std): PLESKO GEORGE A ; PLESKO GEORGE ; PLESKO A

Inventor(s): GAP TECHNOLOGIES INC ; GEORGE A PLESKO

Agent(s): BORDEN LADNER GERVAIS LLP; WAGNER KARL H

Designated states: AT AU BE CA CH DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE

Title: Ergonomic systems and methods providing intelligent adaptive surfaces and temperature control

Abstract: Ergonomic systems which provide medical therapy, comfort and enhanced function are provided. Surfaces are provided with adjustable contour, transient force damping and temperature. The technologies are applied to footwear, seating surfaces a cryotherapy **devices**. The cooling and cryotherapy system employ an evaporator in close proximity to skin, and therefore employ methods to reduce risk of frostbite. Advanced control and power supply options are disclosed.

Classifications:

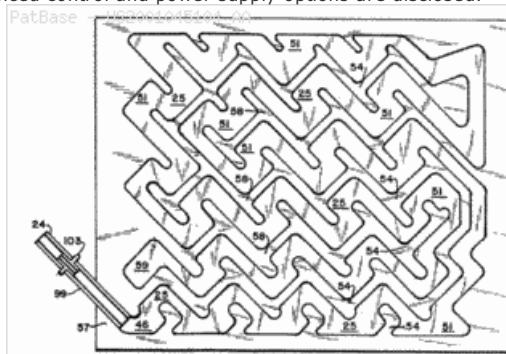
International (IPC 8-9): A43B13/18 A43B13/20 A43B7/14 A61F7/10 F28F3/12 (Advanced/Invention); A61F7/00 F28D20/02 (Advanced/Non-invention)

International (IPC 1-7): A43B7/14 A61F7/02 F25B1/10 F25B19/00

CPC: A43B1/0054 A43B3/0005 A43B3/0015 A43B3/0026 A43B7/02 A43B7/04 A43B7/06 A43B7/14 A43B7/1415 A43B13/14 A43B13/181 A43B13/189 A43B13/203 A43B13/206 A61F7/02 A61F7/10 A61F2007/0002 A61F2007/0027 A61F2007/0029 A61F2007/0039 A61F2007/0058 A61F2007/0076 A61F2007/0225 A61F2007/0233 A61F2007/0295 B60N2/5621 B60N2/5685 B60N2/5692 F28D20/02 F28D2021/0071 F28F3/12 A61F2007/0045 A61F2007/0054 A61F2007/0065 A61F2007/0094

European: A43B1/00M A43B13/14 A43B13/18A A43B13/18G A43B13/20P A43B13/20T A43B3/00E A43B3/00E20 A43B3/00M A43B7/02 A43B7/04 A43B7/06 A43B7/14 A43B7/14A20 A61F7/02 A61F7/10 B60N2/56C4 B60N2/56E2 B60N2/56E4 F28F3/12 K61F7/00A2 K61F7/00A3L K61F7/00A4 K61F7/00A5 K61F7/00A5H K61F7/00C K61F7/00C2B K61F7/00D2A2 K61F7/00E2R K61F7/00R K61F7/02G K61F7/02G5 K61F7/02T R28D20/02 R28D21/00T230F

US: 036/1 036/88 36/1 36/28 36/29 36/290 36/88 36/93 607/104 607/112 607/114 62/51.1 62/510 62/510P



Family:

Publication number	Publication date	Application number	Application date
US2001045104 AA	20011129	US20010853097	20010510
US5658324 A	19970819	US19940227634	19940414
US6230501 BA	20010515	US19990303585	19990503
US6865825 BB	20050315	US20010853097	20010510
US7107706 BA	20060919	US20050199546	20050808
US7204041 BA	20070417	US20050075112	20050308
US7219449 BA	20070522	US20040870194	20040617
US7395614 BA	20080708	US20060532862	20060918

Priority:

US19940227634 19940414	US19940349509 19941202	US19970911261 19970814
US19990303585 19990503	US20010853097 20010510	US20040870194 20040617
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Inventor(s): SR RICHARD F ; BAILEY

Agent(s): MILDE AND HOFFBERG LLP

Title: NOVEL MAN MACHINE INTERFACES AND APPLICATIONS

Abstract: Affordable methods and apparatus are disclosed for inputting position, attitude (orientation) or other object characteristic data to computers for the purpose of Computer Aided Design, Painting, Medicine, Teaching, Gaming, Toys, Simulations, Aids to the disabled, and internet or other experiences. Preferred embodiments of the invention utilize electro-optical sensors, and particularly TV Cameras, providing optically inputted data from specialized datum's on objects and/or natural features of objects. Objects can be both static and in motion, from which individual datum positions and movements can be derived, also with respect to other objects both fixed and moving. Real-time photogrammetry is preferably used to determine relationships of portions of one or more datums with respect to a plurality of cameras or a single camera processed by a conventional PC.

Classifications:

International (IPC 8-9): A61B3/02 A61B5/11 A61B5/12 A61B6/00 A63B24/00 A63B71/00 A63F13/00 A63F13/02 A63F13/04 A63F13/06 A63F3/00 A63F3/02 A63F7/02 A63F9/24 B60K B60K1/00 B60K35/00 B60K37/02 B60K37/06 B60Q1/00 B60R11/02 G01C21/36 G01D1/00 G01D13/00 G01F G01F1/708 G01S5/16 G05B G05B11/01 G05B15/00 G05B19/042 G06F G06F15/00 G06F15/16 G06F17/00 G06F17/30 G06F19/00 G06F3/00 G06F3/01 G06F3/03 G06F3/033 G06F3/0354 G06F3/038 G06F3/041 G06F3/042 G06F3/043 G06F3/045 G06F3/048 G06F3/0484 G06F3/0488 G06K11/06 G06K9/00 G06M11/04 G06T17/40 G06T7/00 G08B21/00 G08B6/00 G08C21/00 G09G5/00 G09G5/08 G09G5/10 G10H1/00 G10L21/00 H04B3/36 H04N5/225 H04N5/64 H04N7/18 H04N9/31 H04Q9/00 (Advanced/Invention); A63F9/24 B60R11/00 G06F3/041 (Advanced/Non-invention); A63B71/00 A63F3/02 A63F7/02 B60K37/04 B60Q1/00 G01D1/00 G01S5/00 G05B11/01 G05B15/00 G06F15/00 G06F15/16 G06F17/00 G06F17/30 G06F19/00 G06F3/033 G06F3/041 G06F3/048 G06K9/00 G06M11/00 G09G5/00 G09G5/08 G10L21/00 H04N5/225 H04N5/64 H04N7/18 H04N9/31 (Core/Invention); A63F9/24 G06F3/041 (Core/Non-invention); B60K (Subclass/Invention)

International (IPC 1-7): A63F9/24 B60K1/00 G06F19/00 G06K9/00 G09G5/00 G09G5/08

IPC: A63F7/027 A63F2003/00974 A63F2009/243 A63F2009/2435 A63F2009/2457 G06F3/0423 G06F2203/0381 G06F3/0426 H04N9/3129 G06F2203/04808 Y10S128/92 Y10S128/921 Y10S128/922 A63F2300/8023 G06F3/01 G06K9/00335 G06K9/2018 G06T2207/10021 G06T2207/30196 G06T2207/30204 A63B24/0062 A63B71/06 A63B24/0075 G06F19/3475 G06F19/3481 G06Q30/06 A63F13/02 A63F13/04 A63F13/10 A63F2300/1043 A63F2300/1062 A63F2300/1081 A63F2300/6045 A63F2300/69 G06F3/038 G06F3/0428 G06F19/3418 G10H1/0008 G10H2220/321 B60K2350/1004 G06T2219/2016 G06T2219/2021 G06F3/0346 G06F17/5095 G06F2217/32 G05B19/0423 A47L15/0063 G01F23/292 G05B2219/23031 G05B2219/2643 G05B2219/31048 A63F2300/1093 B60K2350/2052 F24C7/082 H05B6/6435 H05B2213/04 B60K2350/1044 B60K2350/1052 B60K2350/355 Y10S482/90 Y10S482/901 B60R11/02 B60R11/0235 B60R2011/0005 B60R2011/0007 B60R2011/0012 B60R2011/0028 B60R2011/0029 B60R2011/0042 B60R2011/0094 G06F3/042 B60K37/02 B60K2350/106 B60K2350/1072 G06F3/0421 G06F3/04886 G01C21/365 B60K2350/2013 B60K2350/925 B60K2350/962 G01C21/265 G06T19/20 G06F2203/04109 G06F3/012 G06F3/014 A63F13/213 A63F13/245 A63F13/803 A63F13/428 A63F13/2145 A63F13/00 A63F2300/1075 A63F2300/1087 A63F2300/30 A63F2300/308 A63F2300/8011 G07F17/3297 G06F3/0304 G06F3/0325 G06F3/011 A63F3/00643 A63F7/0005 A63F13/06 A63F2009/0012 A63F2009/2419 A63F2009/2433 A63F2250/50 A63F2300/1068 G06F2203/04101 G01S5/16 G05G1/105 B60K2350/1016 G06F3/0425 B60K2350/102 B60K2350/104 G01C21/3664 G06F3/0312 G06F3/03545 G06F3/04847 G06F3/0488 G06F2203/04108 G06F2203/04809 G06T7/246 G06T7/593 G06T7/73 B33Y50/00 B60K35/00 B60K37/06 B60K2350/1024 B60K2350/1028 B60K2350/901 G06F3/016 G06F3/017 G06F3/0416 G06F3/04883 G16H40/63 G16H50/50 G06F19/00

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US: 116/205 116/205S 128/920 128/921 128/922 178/18.01 178/18.09 273/237 273/274 307/10.1 340/407.1 340/407.100P 340/407.2 340/407.200P 340/425.5 340/425.500P 345/156 345/156P 345/156S 345/157 345/157P 345/158 345/158P 345/161 345/173 345/173P 345/173S 345/174 345/174P 345/175 345/175P 345/175S 345/177 345/177P 345/184 345/184S 345/419 345/690 345/7 345/7S 348/143 348/143 348/169 348/207.1 348/207.100S 348/373 348/373P 348/744 348/744P 348/744S 348/77 348/77S 348/837 348/837S 348/E5.024 348/E5.128 348/E5.137 348/E50.24S 348/E51.28S 348/E51.37S 348/E7.085 348/E70.85S 348/E9.025 348/E9.026 348/E90.25S 348/E90.26S 358/1.12 382/103 382/103P 382/104 382/107 382/154 382/176 382/181 382/312 463/1 463/10 463/16 463/30 463/31 463/31P 463/32 463/34 463/36 463/36P 463/36S 463/37 463/4 463/5 463/7 463/8 482/5 482/8 482/8P 482/9 482/900 482/901 600/476 600/558 600/559 600/595 700/17 700/18 700/19 700/20 700/83 702/127 704/275 704/275S 704/E21.001 704/E21.001S 707/802 707/802S 707/E17.044 707/E17.044S 709/206 709/206S 715/702 715/702S 715/709 715/709 715/745 715/746 715/764 715/764P 715/788 715/789 715/810 715/811 715/833 715/833S 715/863 715/865

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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 YU ZA ZM ZW

Title: IMAGE MAKING MEDIUM

Abstract: The invention relates to an image support medium for creation of an aesthetic image that is an work or object for display. This support medium includes a polymer in an amount sufficient to enable the image to have at least one aesthetic element. In different embodiments, the image support medium is an image support stabilizer, the polymer is a synthetic absorbent or **conductive** polymer, or the polymer is a transparent or synthetic translucent polymer and a property of this transparent or translucent polymer is enhanced to facilitate the creation or preservation of the image by at least one stabilizer. The invention also relates to a method for preparing this image support medium. The method includes forming a reaction mixture comprising a monomer in an amount sufficient to provide or enable the image to have an aesthetic element, and processing the reaction mixture into a 2- or 3-dimensional shape.

Classifications:

International (IPC 8-9): B41M1/00 B41M1/30 B41M5/24 B41M5/26 B41M5/36 B44C3/00 B44C3/04 B44C5/00 B44D3/18 B44F1/00 B44F1/06 B44F11/00 C08K3/34 C08K5/00 C08K5/34 C08K5/3445 C08L101/00 C08L81/00 D06N7/04 G03C5/00

G09B11/10 (Advanced/Invention);

B41M5/24 B41M5/26 C08K5/00 (Advanced/Non-invention)

International (IPC 1-7): B32B1/00 B32B19/00 B32B9/00 B44C1/00 B44C1/26 B44C1/28 B44C3/12 C08J3/00 C08K5/34 C08L1/00 D06N7/04

CPC: Y10T428/22 Y10T428/24355 B41M1/30 B41M5/0047 B41M5/24 G03C5/00 B44C5/00 B41M5/26 B41M5/267 B41M5/36 B44C3/046 B44C3/048 B44D3/18 B44F1/00 C08K5/005 G09B11/10 B41M5/00 C08K3/04

European: B41M1/30 B41M5/36 B44C3/04F B44C3/04F2 C08K5/00P6 G03C5/00 L41M5/00S2 L41M5/24 L41M5/26 L41M5/26L

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PatBase - US2003035917_AA



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Publication number	Publication date	Application number	Application date
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Priority:

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Inventor(s): (std): HYMAN SYDNEY

Inventor(s): SYDNEY HYMAN

Agent(s): OSLER HOSKIN AND HARCOURT LLP; WINSTON AND STRAWN LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ 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 MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: **DEVICE** FOR RADIATION SHIELDING **WIRELESS TRANSMIT** / RECEIVE ELECTRONIC EQUIPMENT SUCH AS CELLULAR TELEPHONES FROM CLOSE PROXIMITY DIRECT LINE-OF-SIGHT **ELECTROMAGNETIC FIELDS**

Abstract: A **device** for locally shielding or blocking a user from close proximity **electromagnetic fields** emitted by a **wireless transmit**/receive electronic equipment antenna 22 such as a cellular telephone. The **device** includes a wearable garments such as a baseball cap 10, electronic carrying pouch 110, fan 210, 250, 410, eyeglass 610, or screens, joined with having EMI/RFI material properties that is specifically worn by the user or placed between the user and the **electromagnetic field** emanating **wireless** antenna source 22. It serves to provide as a **electromagnetic field** shield, either reflective, absorptive, or dissipative behavior in nature, from an direct line-of-sight **electromagnetic field** radiating from a **wireless device** antenna 22. The effective shielding area is determined by the shielding **device** dimensions, the direct line-of-sight **electromagnetic field** signal antenna transmission behavior and the placement of the shielding **device** located between the user local human body sensitive tissue area and the **wireless transmit**/receive electronic equipment antenna 22, as solutions for opened-form design method shielding which serves to minimize the shielding degradation effects and sensitivity interaction effects on normal non-blocked **electromagnetic fields** antenna signal transmission operation.

Classifications:

International (IPC 8-9): H04B1/38 (Advanced/Invention);

H04B1/38 (Core/Invention)

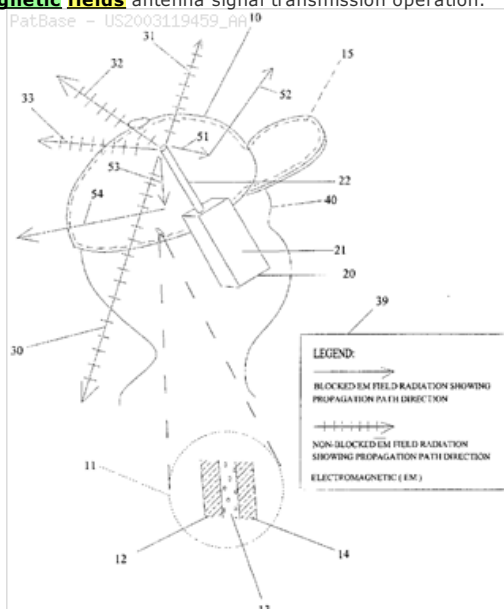
International (IPC 1-7): H04B1/10 H04B1/38 H04M1/00

CPC: H05K9/002 A42B1/008 H04B1/3838

European: H04B1/38P2E

US: 455/114 455/114.1 455/128 455/271 455/550 455/550.1

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Family:

Publication number	Publication date	Application number	Application date
AU200068040 A1	20010122	AU20000068040	20000706
AU200068040 A5	20010122	AU20000068040D	20000706
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Priority:

US19990348144 19990706 WO2000US40315 20000706 US20020292277 20021113

Probable Assignee: CARILLO JUAN C

Assignee(s): (std): CARILLO JAMES S ; CARILLO JR JUAN C ; CARILLO JUAN C ; CARILLO JUAN C JR

Assignee(s): JAMES S CARILLO ; JUAN C CARILLO JR

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Agent(s): WU AND CHEUNG LLP; WU CHARLES CH; CHARLES CH

Designated states: AT AU BE BR CA CH CN CY DE DK ES FI FR GB GR IE IL IT JP KR LI LU MC MX NL NZ PT SE SG VN

Title: Coupled electrochromic compounds with photostable dication oxidation states

Abstract: Coupling of anodic electrochromic compounds by a covalent bond or a bridge link which provides for electronic communication between the coupled electrochromic compounds results in coupled electrochromic compounds which exhibit greater stability as well as electrochromic activity that differs from the monomeric electrochromic compounds. Extension of the absorption spectrum into the near-infrared region of the spectrum is frequently observed. The coupled electrochromic compounds are highly suitable for use in electrochromic media used to produce electrochromic devices.

Classifications:

International (IPC 8-9): B05D5/06 B05D5/12 B23K26/362 B23K26/402 B32B17/06 B32B17/10 B32B7/02 B32B7/14 B60Q1/26 B60R1/02 B60R1/04 B60R1/06 B60R1/07 B60R1/08 B60R1/12 C03C17/36 C09K9/02 C23C14/08 C23C14/18 C23C14/34 C23C14/46 C23C14/58 F16M13/02 G02B1/04 G02B1/10 G02B13/04 G02B27/00 G02B27/14 G02B5/08 G02B5/20 G02B5/26 G02B5/28 G02B7/182 G02F1/00 G02F1/01 G02F1/03 G02F1/061 G02F1/15 G02F1/153 G02F1/155 G02F1/157 G02F1/161 G02F1/163 H05K1/02 H05K3/32 (Advanced/Invention); B60R1/04 B60R1/06 B60R1/08 C23C14/08 C23C14/34 G02F1/1345 G02F1/15 G02F1/155 G02F1/157 G02F1/161 H05K1/03 (Advanced/Non-invention); B05D5/06 B32B7/02 B60R1/06 B60R1/08 B60R1/12 C23C14/46 G02B1/04 G02B27/00 G02B5/08 G02B5/20 G02B5/26 G02B5/28 G02F1/00 G02F1/01 H05K1/02 H05K3/32 (Core/Invention); H05K1/03 (Core/Non-invention); B60R (Subclass/Invention)

International (IPC 1-7): B60R1/08 G02B27/00 G02F1/15 G02F1/153 G02F1/161

CPC: C09K9/02 G02F1/1521 G02F2001/1512 B82Y20/00 G02F2202/36 B60R1/1207 B60R2001/123 B60R2001/1284 G02F1/1345 Y10S359/90 F16M13/02 H05K2201/10106 H05K1/0306 H05K1/0274 H05K3/321 H05K2201/0108 H05K2201/10651 H05K2201/2036 H05K2201/2054 G02B27/14 B60R1/084 G02F1/0018 G02B5/0808 B32B17/06 B32B17/10036 B32B17/10174 B32B17/10321 B32B17/10513 B32B2255/205 B32B2605/00 B32B2307/40 B60R1/12 C03C17/36 C03C17/3618 C03C17/3639 C03C17/3663 B60R1/025 B32B2307/202 B32B2307/412 B32B2307/728 B32B2307/73 B32B2605/006 C23C14/34 G02B5/0875 B23K26/362 B23K26/402 G02F1/1533 Y10T29/49002 Y10T428/24355 Y10T428/2495 G02F2203/09 C03C17/3647 C03C17/3649 B60R1/00 B60R1/04 B60R1/083 B60R1/085 B60R2001/1215 B60R2001/1223 B60R2001/1253 B60R2300/108 E06B3/6722 G02F2201/34 G02F1/136204 E06B9/24 G02F1/13439 G02F1/157 G02F1/163 G02F2201/48 G02F1/153 B60R1/06 G02F1/155 G02F1/161 B60R1/088 C23C14/086 C23C14/185 C23C14/5833 C23C14/5873 B23K2103/00 B23K2103/50 Y10T29/49826

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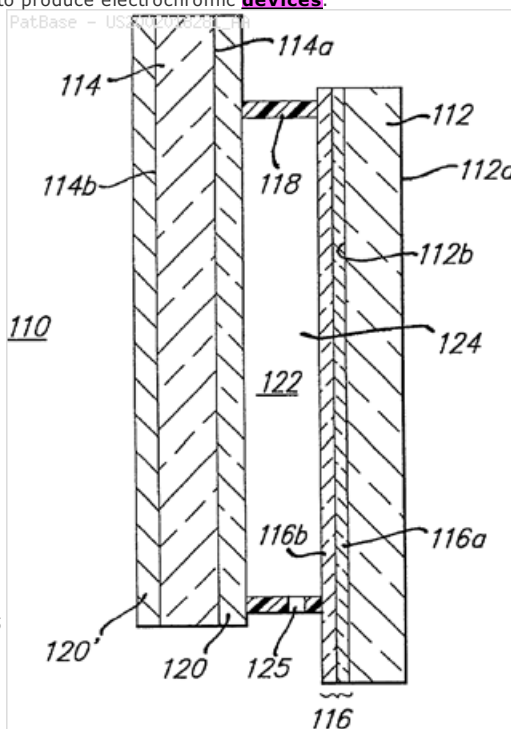
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JP F-Term: 2K001 2K001/AA08 2K001/AA10 2K001/BA10 2K001/BA17 2K001/BB29 2K001/BB48 2K001/BB50 2K001/CA04 2K001/CA08 2K001/CA09 2K001/CA34 2K001/CA45 2K001/CA50 2K001/EA20 2K001/FA03 2K001/FA04 2K001/FA08 2K101 2K101/DB04 2K101/DC37 2K101/EB44 2K101/EB47 2K101/EB83 2K101/EC15 2K101/EC54 2K101/EC61 2K101/ED63 2K101/EF03 2K101/EG37 2K101/EG52 2K101/EG54 2K101/EK05 2K101/EK07 2K001/AA05 2K001/AA16 2K001/BB01 2K001/BB41 2K001/DA02 2K001/DA03 2K101/EB01 2K101/EB21 2K101/EH02 2K101/EH03 2K101/EK02 2K101/EK31 2H042 2H042/DA03 2H042/DA12 2H042/DA15 2H042/DB05 2H042/DE01 3D021 3D053 3D053/FF40 3D053/GG01 3D053/GG05 3D053/GG06 3D053/HH40 2H042/DA08 2H042/DA11 2H042/DB01 2H042/DE08 2H048 2H048/FA05 2H048/FA09 2H048/FA24 2H048/GA07 2H048/GA14 2H048/GA32 2H048/GA51 2H048/GA51 2H148 2H148/FA05 2H148/FA09 2H148/FA24 2H148/GA07 2H148/GA14 2H148/GA32 2H148/GA51 2K001/CA15 2K001/DA04 2K001/DA19 2K001/DA21 2K101/EG65 2K101/EH04 2K101/EH25 2K101/EH36 2K001/BA01 2K001/BB16 2K001/BB35 2K001/CA07 2K001/CA17 2K101/DB31 2K101/DC41 2K101/EB11 2K101/EG51 3C082 2K101/AA22 2K101/DB03 2K101/DC03 2K101/DC52 2K101/EA11 2K101/EC11 2K101/EC72 2K101/EJ11 2K101/DA01 2K101/DD02 2K101/EB05 2K101/EC52 2K101/EE02 2K101/EG01 2K101/EG05 3D053/FF16 3D053/HH14 3D053/MM41 2K101/EB71 2K101/EE01 2K101/EJ21 2K101/EJ31 2K101/DB05 2K101/DC53 2K101/EH05 2K101/DD01 2K101/EB12 2K101/EB41 2K101/EC25 2K101/ED01 2K101/ED41 2K101/EG26 2K101/EG27 2K101/EG31 2K101/EH41 2K101/EJ14 3D053/FF03 3D053/HH38

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Family:

Publication number	Publication date	Application number	Application date
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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 YU ZA ZM ZW

Title: CLOSE-PROXIMITY RADIATION DETECTION **DEVICE** FOR DETERMINING RADIATION SHIELDING **DEVICE** EFFECTIVENESS AND A METHOD THEREFOR

Abstract: A radiation detection **device** for locally detecting radiation of RF **energy** emissions from close proximity direct line-of-sight **electromagnetic fields** emitted by a **wireless transmit/receive** electronic equipment antenna 22 or body 21 such as a cellular telephone, in miniature/planar design form with suitable embedding form-factoring fashioned arrangement capability joined with radiation shielding **devices** comprising of EMI/RFI material properties in reflecting or deflecting or absorbing or attenuating of **electromagnetic fields** disposed on the radiation shielding **devices** effective shielding surface area. The effective shielding surface area is predetermined by the prescribed radiation shielding arrangement dimensions, the direct line-of-sight **electromagnetic fields** emission behavior and the location placement of the radiation shielding **device** between the user local human body sensitive tissue area and the **wireless transmit/receive** electronic equipment antenna 22 or chassis body 21. Said radiation detection **device** operates without prerequisite need for a battery or external power source, operationally self-powered by the embodiments of this invention when exposed to **electromagnetic field** radiation of predetermined thresholding **energy** level setting for the user's own personal alerting verification and assessment means of suitable predetermined radiation detection measurement tester coupling to radiation shielding **devices** to encompass an overall shield effectiveness system solution in real-time monitoring response fashion operation. Said radiation shielding **devices** that would benefit from the coupling to this invention comprises RF shielded wearable garments including and not limited to a hat, RF shielded eyewear articles, RF shielded wearable wrap-around type articles, RF shielded electronic equipment carrying pouches or cases, RF shielded upwardly fan structure arrangement, RF shielded foldable or fixed fan structure arrangement, RF shielded internally pop-up fan mechanism, and RF shielded screen structure arrangement.

Classifications:

International (IPC 8-9): H01Q1/24 H01Q1/27

H01Q9/28 (Advanced/Invention);

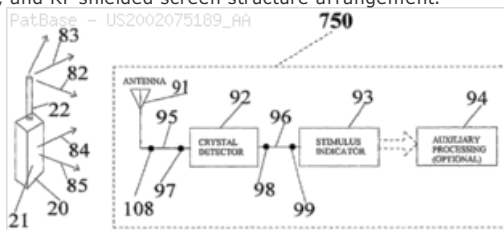
H01Q1/24 H01Q1/27 H01Q9/04 (Core/Invention)

International (IPC 1-7): H01Q1/24 H01Q1/52 H01Q9/28

CPC: H01Q1/245 H01Q1/273 H01Q9/285

European: H01Q1/24A1C H01Q1/27C H01Q9/28B

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Family:

Publication number	Publication date	Application number	Application date
US2002075189 AA	20020620	US20000740071	20001218
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Probable Assignee: CARILLO JR JUAN C

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Inventor(s): (std): CARILLO JAMES S ; CARILLO JR JUAN C ; CARILLO JUAN C

Title: METHODS FOR REDUCING RINGING OF ULTRASONIC TRANSDUCERS

Abstract: Methods for reducing ringing of dual-function ultrasonic air-coupled transducers in which at least one **electrical** passive circuit is applied to the transducer. The circuit may be either a linear circuit or a non-linear circuit. Different circuits can be applied to the transducer when the transducer is in a transmission mode than when the transducer is in a reception mode.

Classifications:

International (IPC 8-9): B06B1/02 B60C23/00 B60C23/04 B60H1/00

B60H1/32 B60J10/00 B60K28/00 B60K28/02 B60N2/00 B60N2/015 B60N2/02 B60N2/06 B60N2/28 B60N2/427 B60N2/48 B60N2/66 B60Q1/00 B60Q1/14 B60R1/00 B60R16/02 B60R16/037 B60R21/00 B60R21/01 B60R21/013 B60R21/015 B60R21/02 B60R21/04 B60R21/16 B60R21/18 B60R21/32 B60R22/00 B60R22/20 E05F15/00 F24F11/00 F24F7/00 G01C3/08 G01F23/00 G01F23/20 G01F23/296 G01G19/10 G01G19/414 G01J1/34 G01M17/00 G01S15/04 G01S15/42 G01S15/87 G01S15/88 G01S17/88 G01S7/41 G01S7/48 G01S7/539 G06F15/00 G06F17/00 G06F19/00 G06F7/00 G06F7/70 G06G7/00 G06G7/76 G06K7/00 G06K9/00 G06K9/62 G08B1/08 G08B13/14 G08B29/00 G08B29/18 G08C19/00 G09G5/00 H01J40/14 H04B1/00 H04B3/00 H04N7/18 H04Q5/22 H04R3/00 H04R5/02 (Advanced/Invention);

B60R1/12 B60R21/00 B60R21/013 B60R21/0132 B60R21/0134

B60R21/015 B60R21/20 B60R21/203 B60R21/215 B60R21/231

B60R21/26 B60R21/276 B60R22/28 B60R22/46 B60R22/48

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B60R22/46 G01S13/00 G06E1/00 G06F15/18 G06K9/36 (Core/Non-invention)

International (IPC 1-7): G01S15/00 H04B1/02

CPC: B60C23/0408 G01S13/878 G06K7/0008 G06K7/10079 G06K17/00 G06K2017/0045 H01Q1/2208 B60C23/007

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B60R21/01536 B60R21/01538 G06K7/10178 B60C23/0433 Y10T137/3584 Y10T137/36 B60R21/01542 G06K9/00624

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S02B27/01A11 S02B27/01D4 S06K17/00W6 S07B15/06B S07C5/08R2 S07C5/08R4C S10K210/1282 S10K210/3219

US: 1/1 137/223S 137/224S 152/419S 165/203 165/237 177/136 177/144 177/208 180/197P 180/268 180/271 180/272

180/273 180/274 236/49.3 236/49.300P 250/206.1 250/206.2 250/208.1 250/221 250/222.1 250/227.21 250/227.210S

250/332 280/728.1 280/728.100S 280/731 280/734 280/734P 280/735 280/735P 280/735S 280/751 280/751P 296/68.1

297/216.12 297/216.14 297/217.2 297/217.200P 307/10.1 307/9.1 307/91 340/10.1 340/12.51 340/13.24 340/13.240P

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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT ; DUVALL WILBUR E ; JOHNSON WENDELL C ; BREED DAVID S ; INTELLIGENT TECH INT INC

Assignee(s): YURCHENKO OLEKSANDR V ; AMERICAN VEHICULAR SCIENCES LLC ; INTELLIGENT TECHNOLOGIES INT INC ; INTELLIGENT TECHNOLOGIES INTERNATIONAL INC ; INTELLIGENT TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AUTOMOTIVE TECHNOLOGIES INTIONAL

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Inventor(s): DAVIS STUART ; BREED RYAN ; JOHNSON WENDELL ; DUVALL WILBUR ; BREED DAVID

Agent(s): BRIAN ROFFE ESQ; BRIAN; ROFFE BRIAN; BRIAN ROFFE

Title: DISCHARGE VALVES FOR AIRBAGS AND AIRBAGS INCLUDING THE SAME

Abstract: Discharge valve for an airbag including a fixed member adapted to be arranged in connection with or associated with the airbag and having a **pattern** of openings and a movable member having a **pattern** of openings substantially identical to the **pattern** of openings of the fixed member. The movable member is movable relative to and alongside the fixed member to vary the correspondence between the openings on the movable member and the openings in the fixed member to thereby vary valve openings defined by the fixed member and the movable member. Variation in the valve openings results in control and/or regulation of the outflow of gas from the airbag through the discharge valve. The members may be plates, cylinders or cones.

Classifications:

International (IPC 8-9): B60C11/24 B60C23/00 B60C23/04 B60K28/00 B60K28/02 B60K28/14 B60L1/00 B60N2/02 B60N2/28 B60Q1/00 B60R21/01 B60R21/0136 B60R21/015 B60R21/016 B60R21/16 B60R21/20 B60R21/205 B60R21/213 B60R21/23 B60R21/232 B60R21/233 B60R21/235 B60R21/239 B60R21/26 B60R21/276 B60R21/30 B60R21/33 B60R22/00 B60R25/10 B62D11/11 E05F15/00 G01G19/10 G01G19/52 G01H11/00 G01M17/00 G01M17/02 G05D27/00 G06F17/00 G06F19/00 G06F7/00 G06K9/00 G07C5/00 G07C5/08 G08B21/00 G08C19/00 G09G5/00 H01H13/70 H01L43/06 H02B1/24 H03K17/97 H03K17/975 H04Q5/22 (Advanced/Invention); B60R21/00 B60R21/01 B60R21/013 B60R21/0132 B60R21/0134 B60R21/21 (Advanced/Non-invention); B60C23/00 B60K28/00 B60K28/10 B60L1/00 B60N2/02 B60R21/01 B60R21/015 B60R21/16 B60R21/20 B60R21/23 B60R21/26 B60R21/33 B60R22/00 B60R25/10 E05F15/00 G01G19/08 G01G19/52 G01H11/00 G01M17/00 G01M17/02 G05D27/00 G06F17/00 G06F19/00 G06F7/00 G06K9/00 G08B21/00 G08C19/00 G09G5/00 H01H13/70 H02B1/00 H03K17/94 (Core/Invention); B60R21/01 (Core/Non-invention)

International (IPC 1-7): F16K3/00

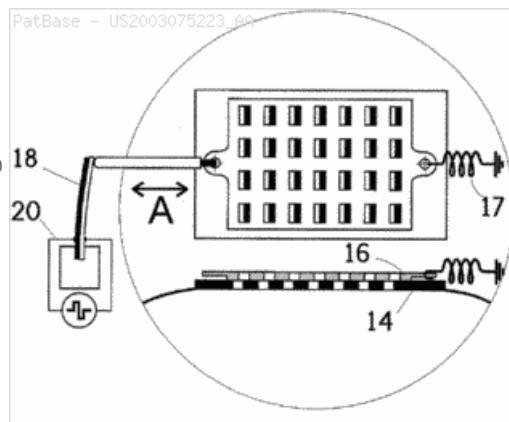
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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT ; BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C

Assignee(s): AUTOMOTIVE TECHNOLOGIES INTIONAL ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AMERICAN VEHICULAR SCIENCES LLC ; ATI 2 ; ATI 295

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Inventor(s): DUVALL WILBUR ; BREED DAVID ; JOHNSON WENDELL ; MORIN JEFFREY

Agent(s): BRIAN ROFFE ESQ; ROFFE BRIAN; BRIAN

Title: MULTIBAND ANTENNA FORMED OF SUPERIMPOSED COMPRESSED LOOPS

Abstract: A compressed multiple band loop antenna that has multiple superimposed compressed loops. Each compressed loop is formed from numerous segments arrayed in multiple diverse directions so that the enclosed area of that loop and the overall size of the antenna are decreased. Multiple loops are arrayed and superimposed to provide multiple frequency bands of operation and are used to broaden the useful bandwidth of individual-bands. The small size of the compressed antenna facilitates its use in small mobile communications **devices** requiring internal antennas that operate in close proximity to **conductive** surfaces. Multiple loops are arrayed in several configurations that include nested and non-nested loops as well as closely located and spatially separated superimposed loops.

Classifications:

International (IPC 8-9): H01Q1/24 H01Q1/38 H01Q5/00 H01Q5/364 H01Q5/40 H01Q7/00 (Advanced/Invention);

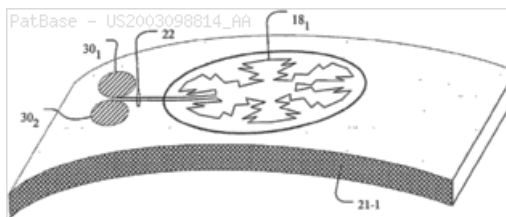
H01Q1/24 H01Q1/38 H01Q5/00 H01Q7/00 (Core/Invention)

International (IPC 1-7): H01Q1/24 H01Q1/38 H01Q11/12 H01Q21/00 H01Q5/00 H01Q7/00

CPC: H01Q5/364 H01Q5/40 H01Q1/243 H01Q1/38 H01Q7/00

European: H01Q1/24A1A H01Q1/38 H01Q5/00B H01Q5/00K2C4A H01Q5/00M H01Q7/00

US: 343/742 343/742P 343/867 343/867S



Family:

Publication number	Publication date	Application number	Application date
AU2002359374 AA	20030519	AU20020359374	20021107
US2003098814 AA	20030529	US20010995478	20011127
WO03041217 A2	20030515	WO2002US36062	20021107
WO03041217 A3	20030703	WO2002US36062	20021107
WO03041217 C2	20030814	WO2002US36062	20021107

Priority:

US20010339263P 20011109 US20010995478 20011127 WO2002US36062 20021107

Probable Assignee: PROTURA WIRELESS INC

Assignee(s): (std): KELLER WALTER JOHN ; PROTURA WIRELESS INC

Assignee(s): ROMERO OSBALDO JOSE ; SAFEGUARD DELAWARE INC ; SIVARAJS JESADA

Inventor(s): (std): SIVARAJS JESADA ; ROMERO OSBALDO JOSE ; KELLER WALTER JOHN

Inventor(s): JESADA SIVARAJS ; OSBALDO JOSE ROMERO ; WALTER JOHN KELLER

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 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 VN YU ZA ZM ZW

Title: **DEVICES** AND METHOD FOR THE PRODUCTION OF **SHEET** MATERIAL

Abstract: The invention relates to **sheet** material having an **electrical** circuit and to apparatuses and methods for processing said **sheet** material. The present invention describes **sheet** material having an **electrical** circuit as well as apparatuses and methods for processing same, which reduce the effort required for processing the **sheet** material and/or facilitate processing and/or improve it and/or make it more reliable. For this purpose, the **sheet** material has at least one **electrical** circuit, with **energy** and/or data being **transmitted** from the apparatus to the **electrical** circuit and/or from the **electrical** circuit to the apparatus and at least part of the **transmitted** data being used for processing.

Classifications:

International (IPC 8-9): B42D B42D15/00 B42D25/29 B44F1/12 G06K19/00 G07D G07D11/00 G07D7/00 G07D7/01 G07D7/02 G07D7/04 G07D7/08 G07D7/12 G07F1/06 G07F13/00 G07F7/04 (Advanced/Invention); G07D7/00 G07D7/04 G07D7/08 (Advanced/Non-invention); B42D15/00 B44F1/00 G06K19/00 G07D7/00 G07F1/00 (Core/Invention)

International (IPC 1-7): B42D15/00 B44F1/00 G06F17/60 G06K19/07 G06K7/00 G06K9/00 G07D11/00 G07D7/00 G07D7/02 G07D7/04 G07D7/08 G07D7/12 G07F7/04

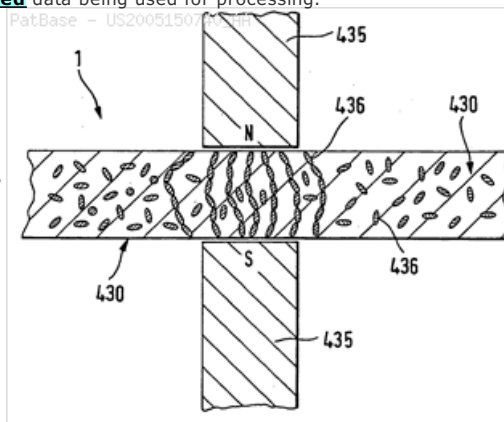
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US: 194/205 194/206 194/207 194/210 194/211 194/212 194/213 235/379 340/5.8

JP F-Term: 3E041 3E041/AA02 3E041/BA07 3E041/BA14 3E041/BB01 3E041/BB07 3E041/BC03 3E041/CA01 3E041/CA02 3E041/CB03 3E041/EA01 5B035 5B035/AA04 5B035/AA13 5B035/BA03 5B035/BB09 5B035/CA01 5B035/CA04 5B035/CA23 5B035/CA24 5B035/CA38 5B072

JP F-Index: G06K19/00/H G06K19/00/K G06K7/00/004 G06K7/10/100 G07D7/00/D G07D7/01 G07D7/02 G07D7/04 G07D7/08 G07D7/12



Family:

Publication number	Publication date	Application number	Application date
AT499217 E	20110315	AT20020795246T	20021219
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BRPI0215271 A	20041019	BR2002PI15271	20021219
CA2471415 AA	20040621	CA20022471415	20021219
CN1589457 A	20050302	CN20028028282	20021219
CN1589457 B	20100512	CN20028028282	20021219
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EP1458576 B1	20110223	EP20020795246	20021219
EP1459267 A2	20040922	EP20020798353	20021219
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RU2004122629 A	20060120	RU20040122629	20021219
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WO03054807 A3	20031002	WO2002EP14605	20021219
WO03054808 A2	20030703	WO2002EP14606	20021219
WO03054808 A3	20040311	WO2002EP14606	20021219
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Priority:

DE20011063266 20011221

DE20011063267 20011221

DE20021096058 20021219

Probable Assignee: GIESECKE AND DEVRIENT GMBH

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Assignee(s): GIZEKE U DEVRIENT GMBKH ; GIESECKE AND DEVRIENT GMBH PRINZREGENTENSTRASSE 159 81667 MUENCHEN ; GIESECKE AND DEVRIENT GMBH PRINZREGENTENSTRASSE 159 81677 MUENCHEN ; GIZEKE UND DEVRIENT GMBKH

Inventor(s): (std): ALEXANDER STEINKOGLER ; ALFRED SCHMIDT ; BELLERSHEIM FABIOLA ; BERND WUNDERER ; CHRISTIAN VOELLMER ; DICHTL MARIUS ; DIETER STEIN ; ECKART SCHRODER BERGEN ; ECKART SCHROEDER BERGEN ; FABIOLA BELLERSHEIM ; FINKENZELLER KLAUS ; FRIEDRICH KRETSCHMAR ; GIERING THOMAS ; GIERING THOMAS DR ; HARALD REINER ; HEIM MANFRED ; HILDEBRANDT THOMAS ; HOBMEIER RALF ; HOFFMANN LARS ; HOLL NORBERT ; JUERGEN SCHUETZMANN ; JUERGEN SCHUTZMAN ; JURGEN SCHUTZMANN ; KAULE WITTICH ; KLAUS FINKENZELLER ; KRETSCHMAR FRIEDRICH ; LIEBLER RALF ; MANFRED HEIM ; MARCUS KROBHOLZ ; MARIUS DICHTL ; MARIUS DICKERTER ; MARKUS KROMBHOLTZ ; MARKUS KROMBHOLZ ; MARTIN SEYSEN ; MARTIN SISSON ; NORBERT HALL ; NORBERT HOLL ; PILLO THORSTEN ; RAHLF HOBOMEIER ; RAHLF LIBLER ; RALF HOBMEIER ; RALF LIEBLER ; REINER HARALD ; SAULSTON PILLAU ; SCHMIDT ALFRED ; KROMBHOLTZ MARKUS ; KROMBHOLZ MARKUS ; LARS HOEFMAN ; LARS HOFFMANN ; SCHNEIDER WALTER ; SCHRODER BERGEN ECKART ; SCHROEDER BERGEN ECKART ; SCHUETZMANN JUERGEN ; SCHUTZMANN JURGEN ; SEYSEN MARTIN ; SHJUTTMANN JURGEN ; SHTAJN DITER ; SHTAJNKOGLER ALEKSANDER ; STEIN DIETER ; STEINKOGLER ALEXANDER ; THOMAS GIERING ; THOMAS HILDEBRANDT ; THORSTEN PILLO ; VOELLMER CHRISTIAN ; VUNDERER BERND ; WALT SCHNEIDER ; WALTER SCHNEIDER ; WITTICH KAUER ; WITTICH KAULE ; WUNDERER BERND ; ZEJZEN MARTIN ; RAJNER KHARAL D ; PILLO TORSTEN ; LIBLER RAL F ; KROMBKHOL TS MARKUS ; KRECHMAR FRIDRIKH ; KHOLL NORBERT ; KHOFFMANN LARS ; KHOBMAJER RAL F ; KHIL DEBRANDT TOMAS ; KHAJM MANFRED ; KAULE VITTIKH ; GIRING TOMAS ; FREDERIC KRAETZSCHMAR ; FINKENTSELLER KLAUS ; FELL MER KRISTIAN ; FAIBIOLLA BELERSIM ; ECKARDT SHRODER BERGAN ; DIKHTL MARIUS ; DIETEL STAN ; ALEXANDER STANKOGLER ; CHRISTIAN VOLMO ; BERND WANDLER ; BELLERSKHAJM FABIOLA ; SHNAJDER VAL TER ; SHREDER BERGEN EHKKART

Inventor(s): SHRODER BERGAN ECKARDT ; BELERSIM FAIBIOLLA ; STEINKOGLERALEXANDER ; SHREDER-BERGEN EHKKART ; SHNAJDER VAL'TER ; SCHRODER-BERGEN ECKART ; RAJNER KHARAL'D ; LIBLER RAL'F ; KROMBKHOL'TS MARKUS ; KHOLL' NORBERT ; KHOBMAJER RAL'F ; KHIL'DEBRANDT TOMAS ; HELM MANFRED ; FELL'MER KRISTIAN ; DIKHTL' MARIUS ; DICKERTER MARIUS ; HALL NORBERT ; WANDLER BERND ; VOLMO CHRISTIAN ; SISSON MARTIN ; STAN DIETEL ; STANKOGLER ALEXANDER ; SHMIDT AL'FRED ; SCHUTZMAN JUERGEN ; LIBLER RAHLF ; SCHNEIDER WALT ; PILLAU SAULSTON ; KROBHOLZ MARCUS ; KRAETZSCHMAR FREDERIC ; KAUER WITTICH ; HOBOMEIER RAHLF ; HOEFMAN LARS

Agent(s): RIDOUT AND MAYBEE LLP; HOEHFELD JOCHEN; LIU SHEN AND ASSOCIATES ROOM 3716 37TH FLOOR SUN HUNG KAI CENTRE 30; ROTHWELL FIGG ERNST AND MANBECK PC

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 SC 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

Title: CONTACT-LESS POWER TRANSFER

Abstract: A system and method for transferring power does not require direct **electrical conductive** contacts. There is provided a primary unit having a power supply and a substantially laminar surface having at least one **conductor** that generates an **electromagnetic field** when a current flows therethrough and having an active area defined within a perimeter of the surface, the at least one **conductor** being arranged such that **electromagnetic field** lines generated by the at least one **conductor** are substantially parallel to the plane of the surface within the active area; and at least one secondary **device** including at least one **conductor** that may be wound about a core; wherein the active area has a perimeter large enough to surround the **conductor** or core of the at least one secondary **device** in any orientation thereof substantially parallel to the surface of the primary unit in the active area, such that when the at least one secondary **device** is placed on or in proximity to the active area in a predetermined orientation, the **electromagnetic field** induces a current in the at least one **conductor** of the at least one secondary **device**.

Classifications:

International (IPC 8-9): H01F H01F27/25 H01F27/28 H01F3/02 H01F38/14 H01F41/02 H01F5/00 H01M10/44 H01M10/46 H02J H02J17/00 H02J5/00 H02J7/00 H02J7/02 H02M3/335 H04B5/00 (Advanced/Invention); H01F27/245 H01F38/14 H01F41/02 H01F5/00 H02J17/00 H02J5/00 H02J7/00 H02J7/02 (Advanced/Non-invention); H01F27/25 H01F27/28 H01F3/00 H01F38/14 H01F41/02 H01F5/00 H01M10/42 H02J5/00 H02J7/00 H02J7/02 H02M3/24 H04B5/00 (Core/Invention); H01F27/245 H01F41/02 H01F5/00 H02J5/00 (Core/Non-invention); H01F H02J (Subclass/Invention); H01F H02J (Subclass/Non-invention)

International (IPC 1-7): H01F27/25 H01F27/28 H01F38/14 H01F41/02 H01M10/44 H01M10/46 H02J17/00 H02J5/00 H02J7/00 H02J7/02 H02M3/335 H03H5/00 H04B5/00

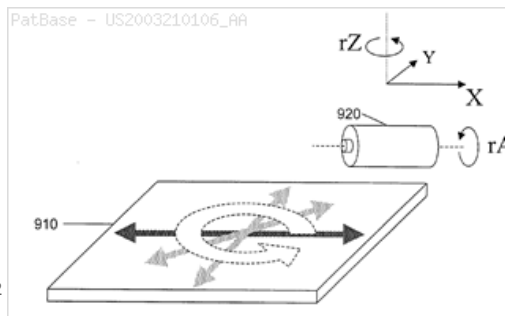
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European: H01F27/25 H01F27/28A H01F3/02 H01F38/14 H01F41/02A2B H01F41/02A3 H01F5/00A H01M10/46 H02J5/00T H02J7/02B1 T01F17/00A12 T01F27/245 T01F38/14 T01F41/02A2B T01F5/00 T01F5/00A Y02E60/12

US: 307/104 307/104S 320/107 320/108 320/108P 320/114 333/24 333/24.00RP 333/24R 336/180 336/180P 363/24

JP F-Term: 5E060 5G003 5G003/AA01 5G003/BA01 5G003/GB08 5G063 5G503 5G503/AA01 5G503/AA04 5G503/AA05 5G503/AA06 5G503/AA07 5G503/BA01 5G503/BA02 5G503/BB01 5G503/BB06 5G503/CA10 5G503/CB09 5G503/EA01 5G503/EA08 5G503/FA01 5G503/FA07 5G503/GB08 5H030 5H030/AS11 5H030/AS12 5H030/AS13 5H030/AS14 5H030/AS15 5H030/AS16 5H030/BB01 5H030/BB07 5H030/BB09 5H030/BB10 5H030/DD18

JP F-Index: H01F23/00/B H01F38/14 H02J17/00/B H02J50/10 H02J7/00/301/D H02J50/12 H02J50/40 H02J50/70 H01M10/44/Q H01M10/44/Z

**Family:**

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Probable Assignee: PHILIPS IP VENTURES BV

Assignee(s): (std): ACCESS BUSINESS GROUP INT BV ; ACCESS BUSINESS GROUP INT LLC ; ACCESS BUSINESS GROUP INTERNAITONAL LLC ; CHENG LILY KA LAY ; CHENG LILY KA LAI ; HAY JAMES WESTWOOD ; BEART PILGRIM GILES WILLIAM ; CHENG LILY K ; HAY JAMES W ; BEART PILGRIM G W ; AMWAY EUROP LTD ; ZAP WIRELESS TECHNOLOGIES LTD ; SPLASHPower LTD A CO INC ; SPLASHPower LTD ; SPLASHPower LTD

Assignee(s): SPLASHPower A CO INC IN UK LTD ; SPLASHPower A CO INC IN LTD ; SPASHPower LTD ; SPLASHPower LTD CAMBRIDGE ; SPLASHPower A UK CO LTD ; SPLASHPower (A UK COMPANY) LTD ; SPLASHPower A UK COMPANY LTD ; ACCESS BUSINESS GROUP INT ; AMWAY LTD ; BEART PILGRIM GILES W ; AMWAY EUROPE LTD ; AMWAY EUROPE LIMITED ; PHILIPS IP VENTURES BV ; BEART PILGRIM GW ; ACCESS BUSINESS GROUP INTERNATL LLC ; AMWAY (EUROPE) LTD

Inventor(s): (std): CHENG LILY KA LAY ; CHENG LILY KA LAI ; HAY JAMES WESTWOOD ; CHENG LILY K ; HAY JAMES W ; BEART PILGRIM WILLIAM ; KA LAI LILY ; LILY KA LAI CHENG ; JAMES WESTWOOD HAY ; LILY KA LAY CHENG ; PILGRIM GILES WILLIAM BEART ; BEART PILGRIM G W ; BEART PILGRIM GILES WILLIAM ; BEART PILGRIM GILES W ; KA LAI CHENG LILY ; WESTWOOD HAY JAMES ; WILLIAM BEART PILGRIM GILES

Inventor(s): BEART PILGRIM GW ; BEART PILGRIM GILES ; BEART PILGRIM ; JAMES W HAY ; HAY JAMES ; CHENG LILY

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; BIRD AND BIRD; KANGXIN PARTNERS PC HONG KONG LTD; SIMMONS AND SIMMONS; BARRON AND YOUNG INTELLECTUAL PROPERTY LTD; SOGA MICHIMARU; STITES AND HARBISON PLLC; WARNER NORCROSS AND JUDD IN RE ALTICOR INC; GARVEY SMITH NEHRBASS AND DOODY LLC; NEHRBASS SETH M; SETH M; ROSS F; SITES AND HARBISON PLLC; WARNER NORCROSS AND JUDD 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 EG 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 NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SYSTEM AND METHOD FOR INTERFACING CELLULAR MATTER WITH A MACHINE

Abstract: A system for interfacing cellular matter with a machine comprising a transponder implantable in cellular matter and configured to detect a first signal. The system also includes a receiver external to the cellular matter and configured to receive a second signal in response to the transponder detection of the first signal. A **transmitter** is also included in the system to **transmit** a third signal to a machine in response to the receiver receipt of the second signal.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0476 A61B5/0484 A61B5/12 A61F11/00 A61F2/02 A61F2/48 A61H1/00 A61M21/00 A61M21/02 A61M5/158 A61M5/315 A61M5/32 A61N1/00 A61N1/02 A61N1/04 A61N1/05 A61N1/06 A61N1/08 A61N1/34 A61N1/36 A61N1/372 A61N1/375 A61N2/00 A61N5/06 A61N7/00 G09B19/00 G09B23/28 H04B1/04 H04R25/00 (Advanced/Invention); A61B5/11 A61M21/00 A61N1/05 A61N1/372 (Advanced/Non-invention); A61B5/00 A61B5/0476 A61F11/00 A61F2/02 A61F2/48 A61H1/00 A61M21/00 A61M5/14 A61M5/315 A61M5/32 A61N1/02 A61N1/06 A61N1/08 A61N1/32 A61N1/36 A61N1/372 G09B23/00 H04B1/04 (Core/Invention)

International (IPC 1-7): A61N1/08

CPC: A61N1/37223 A61N1/40 A61N1/08 H01F17/0006 H01F27/402

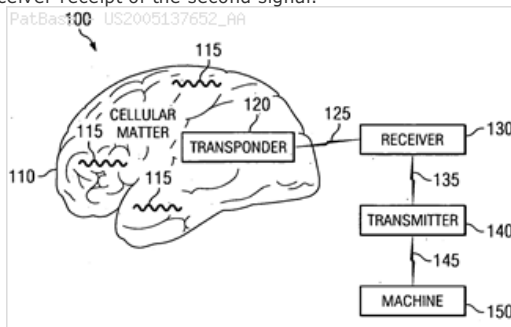
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European: A61B5/00B8 A61B5/00B9 A61B5/0476 A61B5/0478 A61B5/0492 A61B5/04B A61B5/41J2 A61B5/41J8 A61B5/68D A61B5/68D1B2 A61F2/68 A61N1/05L A61N1/08 A61N1/36 A61N1/36E A61N1/36Z A61N1/36Z1 A61N1/36Z3C A61N1/36Z3E3 A61N1/36Z3F A61N1/36Z3G A61N1/36Z4 A61N1/372D2E2 A61N1/372D8M A61N1/378C G09B23/28 H01F17/00A K61B5/04B K61B560/02B4B K61B562/02N K61F2/50P K61F2/68F K61F2/70D K61N1/36Z K61N1/36Z1 K61N1/36Z3E K61N1/372A K61N1/375E T01F27/40A T01F38/14

US: 1/1 128/903 128/903S 156/286S 434/262 434/262P 507/220S 600/28 600/544 600/544P 600/559 600/9 604/218 604/218S 604/506 604/506P 607/1 607/116 607/2 607/2P 607/2S 607/3 607/3P 607/3S 607/44 607/45 607/46 607/46P 607/48 607/49 607/55 607/56 607/57 607/59 607/59P 607/60 607/60P 607/60S 607/61 607/61P 607/72 607/72P 607/88



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: BOARD OF REGENTS UNIV OF TEXAS SYSTEM

Assignee(s): (std): ARMSTRONG SCOTT ; BOARD OF REGEPTS UNIV OF TEXAS SYSTEM ; BOARD OF REGENTS UNIV OF TEXAS SYSTEM ; CAULLER LAWRENCE ; ENGINEER NAZER ; CAULLER LARRY ; ZYVEX CORP ; MICROTRANSPONDER INC ; WEINER RICHARD ; UNIV TEXAS ; MICRO TRANSPONDER INC ; KILGARD MICHAEL ; MCINTYRE CHRISTA ; ROSELLINI WILL ; ENGINEER NAVZER ; ENGINEER NAVZER DARA ; CAULLER LAWRENCE J ; CAULLER LAWRENCE JAMES ; RENNAKER ROBERT L ; PIERCE DAVID MICHAEL ; KILGARD MICHAEL P ; RODRIGUEZ CHRISTA MCINTYRE ; JAIN RAVI ; LEHMAN GUENTER H ; LEHMAN GUNTER

Assignee(s): THE BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM ; THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; BOARD OF UNIV OF TEXAS SYSTEM ; ZYVEX LABS LLC ; SILICON VALLEY BANK ; OF TEXAS SYSTEM UNIV ; MICRO TRANSPONDER ; BOARD OF UNIV ; BOARD OF UNIV OF TEXAS AT DALLAS ; BOARD OF REGENTS ; BOARD OF REGENTS UNIV ; BOARD OF REGENTS UNIV OF TEXAS SY ; BOARD OF UNIV TEXAS AT DALLAS

Inventor(s): (std): CAULLER LAWRENCE JAMES ; CAULLER LAWRENCE ; CAULLER LAWRECE JAMES ; CAULLER LARRY ; ROSELLINI WILL ; ENGINEER NAVZER ; ROSELLINI WILL ; RODRIGUEZ CHRISTA MCINTYRE ; MCINTYRE CHRISTA ; KILGARD MICHAEL P ; KILGARD MICHAEL ; ENGINEER NAZER ; ENGINEER NAVZER DARA ; PIERCE DAVID MICHAEL ; LEHMAN GUENTER H ; JAIN RAVI ; ARMSTRONG SCOTT ; CAULLER LAWRENCE J ; LEHMAN GUNTER ; NILSEN ERIK ; WEINER RICHARD ; RENNAKER ROBERT L ; MCLNTYRE CHRISTA ; MCINTYRE RODRIGUEZ CHRISTA ; LAWRENCE CAULLER

Inventor(s): LARRY CAULLER ; CHRISTA MCINTYRE ; NAZER ENGINEER ; MICHAEL KILGARD ; RICHARD WEINER ; WILL ROSELLINI

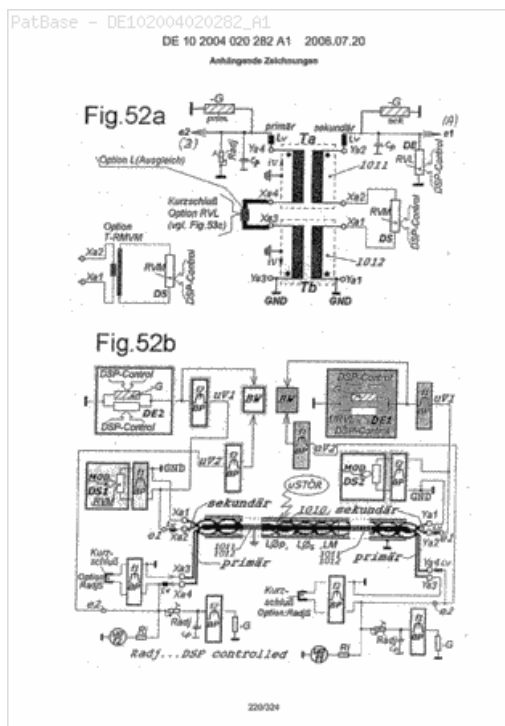
Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; FPA PATENT ATTORNEYS PTY LTD; SCHOHE STEFAN; HAYNES AND BOONE LLP; GROOVER AND ASSOCIATES; DAVID C CAIN; CONLEY ROSE P C; GRANT; CONLEY ROSE PC; LOWE HAUPTMAN HAM AND BERNER LLP; LOWE HAUPTMAN AND HAM LLP; HAUPTMAN HAM LLP; GROOVER ROBERT O; CAIN DAVID C; CONLEY ROSE P C ET AL; CONLEY ROSE PC 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 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

Abstract: The method involves feeding a current portion into measuring impedance/admittance of a circuit as a power source to reduce ideal **conductive** value of the impedance/admittance in proportion to ohmic loss of the impedance. The current portion is fed as a current drain in the impedance/admittance to increase the value. The value refers to a circuit inductivity or capacitance and to transformed impedance or admittance. Independent claims are also included for the following: (1) a method for coding measurement values; (2) an arrangement for measuring ohmic loss in impedance or admittance circuit; (3) a method for semi-automatic or fully automatic transport as well as for evaluation and addressing of goods; and (4) a shopping trolley for executing a method for semi-automatic or fully automatic transport as well as for evaluation and addressing of goods.

International (IPC 8-9): G01R27/02 (Advanced/Invention);
G01R27/02 (Core/Invention)

European: G01D5/00 G01R27/26



Publication number	Publication date	Application number	Application date
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Abstract: Compositions, systems and methods that allow for the detection of the actual physical delivery of a pharmaceutical agent to a body are provided. Embodiments of the compositions include an identifier and an active agent. The invention finds use in a variety of different applications, including but not limited to, monitoring of therapeutic regimen compliance, tracking the history of pharmaceutical agents, etc.

Application number	Active ingredient	Proprietary name	Applicant	Date of approval
207202	ARIPIRAZOLE	ABILIFY MYCITE KIT	OTSUKA PHARM CO LTD	Nov 13, 2017

International (IPC 8-9): A61B A61B1/00 A61B1/273 A61B5/00
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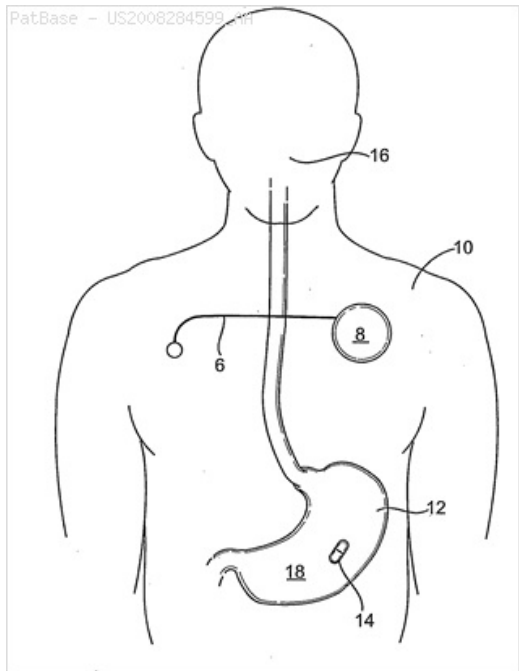
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US20170788968	20171020				

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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 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 YU ZA ZM ZW

Title: Micro plasma reactor

Abstract: A fixed or handheld micro-plasma-reactor can be build-in, connected with and/or inserted into various **electrical**/electronic **devices** (i.e. mobile phones, computers), in various objects (i.e. lighting **devices** in general, light bulb, microchips, IC's), in various container types (i.e. cooking pan) and all type of machines, i.e. vacuum-cleaner, pumps, **electrical** car, etc., to generate DC current and/or AC, and consequently the various uses resulting from **electrical** current, for lighting, for heating/cooling, and desired process (i.e. creation **magnetic fields**). The self-sustaining plasmatic process gives independent functioning without connections to any **electrical** power network, solar cells or the need to recharge. New type of products will be created. Different type of micro-reactors are described, and new methods of technology.

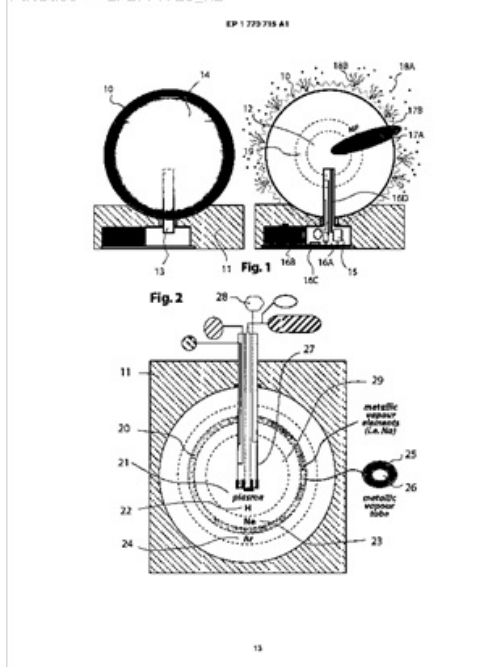
Classifications:

International (IPC 8-9): G21B1/00 G21K1/00 (Advanced/Invention);
G21B1/00 G21K1/00 (Core/Invention)

CPC: G21B1/00 G21K1/00

European: G21B1/00 G21K1/00

PatBase - EP1770715_R1



Family:

Publication number	Publication date	Application number	Application date
EP1770715 A1	20070404	EP20050447236	20051020
EP1770717 A1	20070404	EP20050447221	20051003

Priority:

EP20050447221 20051003

EP20050447236 20051020

Probable Assignee:

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Assignee(s):

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Inventor(s): (std):

TAVAKOLI MEHRAN KESHE

Inventor(s):

TAVAKOLI KESHE MEHRAN

Designated states:

AL BA BE GB HR MK YU

Title: INDUCTIVE POWER SOURCE AND CHARGING SYSTEM

Abstract: A portable inductive power source, power **device**, or unit, for use in powering or charging **electrical**, electronic, battery-operated, mobile, and other **devices** is disclosed herein. In accordance with an embodiment the system comprises a pad or similar base unit that contains a primary, which creates an alternating **magnetic field** by means of applying an alternating current to a winding, coil, or any type of current carrying wire. A receiver comprises a means for receiving the **energy** from the alternating **magnetic field** from the pad and transferring it to a mobile or other **device**. In some embodiments the receiver can also comprise electronic components or logic to set the voltage and current to the appropriate levels required by the mobile **device**, or to communicate information or data to and from the pad. Embodiments may also incorporate efficiency measures that improve the efficiency of power transfer between the charger and receiver.

Classifications:

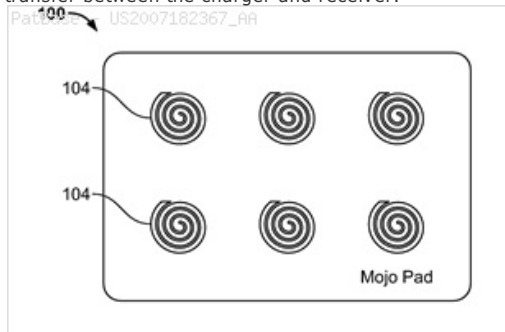
International (IPC 8-9): G06K19/07 H01F27/28 H01F27/36
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H02J50/10 H02J50/12 H02J50/40 H02J50/70 H02J50/80 H02J50/90
H02J7/00 H02J7/02 H02J7/04 H04B5/00
H04W4/00 (Advanced/Invention);
H02J7/00 H04W4/00 H04W4/80 (Advanced/Non-invention);
H02J7/00 (Core/Invention);
H02J (Subclass/Invention)
CPC: H02J7/00 H04B5/0037 H02J7/0004 H02J7/0044 H02J7/0052
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European: H01F38/14 H01F5/00A H02J7/00C6 H02J7/02B1
T01F7/02B3 T02J7/00B1 T02J7/00G6 Y02B40/90

US: 1/1 307/10.1 307/104 307/24 320/101 320/101P 320/108 320/108P 320/108S 320/115 320/115P 320/137 320/150
455/41.1

JP F-Term: 5G063 5G503 5G503/AA01 5G503/BA01 5G503/BB01 5G503/GB08 5G503/CA01

JP F-Index: H02J17/00/B H02J50/10 H02J50/40 H02J50/60 H02J50/70 H02J50/80 H02J50/90 H02J7/00/301/D H02J17/00/X

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Priority:

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Assignee(s): (std): MOJO MOBILITY INC ; PARTOVI AFSHIN ; SEARS MICHAEL

Inventor(s): (std): SEARS MICHAEL ; PARTOVI AFSHIN ; MICHAEL SEARS ; AFSHIN PARTOVI

Agent(s): JENNINGS MICHAEL JOHN; LIU SHEN AND ASSOCIATES; UESUGI HIROSHI; OHTSUKA FUMIAKI; SUDA HIROYUKI; KUMAKURA YOSHIO; NISHIJIMA TAKAKI; FLIESLER MEYER LLP; MEYER IP LAW GROUP; LOUIS; WU LOUIS; KENNA KARL F 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: LIGHTING SYSTEM

Abstract: The present invention relates to a lighting system comprising a base part (12) with at least one primary coil (18), and at least one light module (13, 14) with a secondary coil (26) adapted to inductively interact with the primary coil (18). The lighting system is characterized in that said base part (12) comprises a substrate (50) carrying said primary coil (18), the winding of which lying in one plane and forming a flat coupling area (16); the winding of the second coil (26) lies in one plane; and said light module (13, 14) comprises at least one light element (20) and a flat bottom surface, so that the light module (13, 14) is placeable with its flat surface on the flat coupling area (16).

Classifications:

International (IPC 8-9): F21L13/06 F21L4/08 F21S2/00 F21V23/00 F21V23/02 F21V25/02 F21Y101/02 H01F27/42 H01F38/14 H01J1/62 H02J7/02 (Advanced/Invention); F21Y101/02 H02J7/02 (Advanced/Non-invention); F21L4/00 F21S2/00 F21V23/02 H01F27/42 H01F38/14 H01J1/00 H02J7/02 (Core/Invention); H02J7/02 (Core/Non-invention)

International (IPC 1-7): H01F38/14

CPC: H05B33/0803 H01F19/04 H01F27/2804 H05B33/0815

H05B33/0851 H05B33/0896 F21Y2105/00 F21Y2115/15 F21V23/02 H01F38/14 H02J50/12 H02J7/025 H02J5/005

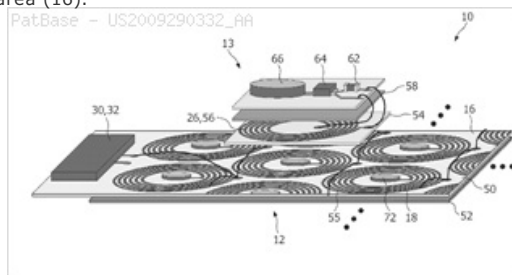
European: F21V23/02 H01F27/28A H01F38/14 H02J5/00T

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US: 307/104 307/104S 313/504 313/504S 315/276 362/183 362/183P 362/276 362/295 362/394

JP F-Term: 3K014 3K014/AA00 3K014/AA01 3K014/BA03 3K014/DA04 3K014/DA08 3K014/GA03 3K014/HA03 3K014/PB07 3K243 3K243/EA07

JP F-Index: F21S2/00/110 F21S2/00/663 F21V23/00/160 F21Y101/02 F21Y115/10

**Family:**

Publication number	Publication date	Application number	Application date
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CN101490772 B	20120418	CN200780027630	20070521
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IN00396CN2009 A	20090605	IN2009CN00396	20090121
IN282656 B	20170421	IN2009CN00396	20090121
JP2009545103 T2	20091217	JP20090520082T	20070521
JP5265540 B2	20130814	JP20090520082T	20070521
KR101423467 B1	20140728	KR20097003590	20070521
KR20090042806 A	20090430	KR20097003590	20070521
RU2009106047 A	20100827	RU20090106047	20070521
RU2440636 C2	20120120	RU20090106047	20070521
TW200817630 A	20080416	TW20070126157	20070718
TWI402458 B	20130721	TW20070126157	20070718
US2009290332 AA	20091126	US20070373781	20070521
US7909483 BB	20110322	US20070373781	20070521
WO08012702 A1	20080131	WO20071B51913	20070521

Priority:

EP20060117675 20060721 EP20070735970 20070521 WO20071B51913 20070521

Probable Assignee: PHILIPS LIGHTING HOLDING BV

Assignee(s): (std): BRAGARD MICHAEL ; BUDDE WOLFGANG OTTO ; HENTE DIRK ; JACOBS JOSEPH HENDRIK ANNA MAR ; PHILIPS INTELLECTUAL PROPERTY ; KONINKL PHILIPS ELECTRONICS NV ; WAFFENSCHMIDT EBERHARD ; ROYAL DUTCH PHILIPS ELECTRONICS LTD

Assignee(s): PHILIPS ELECTRONICS KONINKLL NV ; PHILIPS ELECTONICS N V KONINKLL ; KONINKLEJKE FILIPS EHLEKTRONIKS N V ; KONINKLEJKE FILIPS EHLEKTRONIKS NV ; PHILIPS KONINKLL NV ; PHILIPS GMBH ; PHILIPS LIGHTING HOLDING BV ; JACOBS JOSEPH HENDRIK ANNA MARIA ; KONINKL PHILIPS ELECTRONICS N V ; PHILIPS ELECTRONICS N V KONINKLL ; PHILIPS INTELLECTUAL PROPERTY AND STANDARDS GMBH ; KONINKLIJKE PHILIPS ELECTRONICS N V

Inventor(s): (std): BRAGARD MICHAEL ; BUDDE WOLFGANG OTTO ; DIRK HENTE ; EBERHARD WAFFENSCHMIDT ; HENTE DIRK ; JACOBS JOSEPH HENDRIK ANNA MAR ; MAR JACOBS JOSEPH HENDRIK ANNA ; MICHAEL BRAGARD ; OTTO BUDDE WOLFGANG ; WAFFENSCHMIDT EBERHARD ; VAFFENSHMIDT EBERKHARD ; KHENTE DIRK ; JAKOBS JOZEF KHENDRIK ANNA MARIJA ; BUDDE VOL FGANG OTTO ; BRAGARD MIKHEL ; JACOBS JOSEPH HENDRIK ANNA MARIA

Inventor(s): BRAGARD MIKHEL' ; JACOBS JOSEPH ; HENNT DIRK ; BUDDE WOLFGANG ; BUDDE VOL'FGANG OTTO ; WAFFENSCHMITDT EBERHARD

Agent(s): MEISSNER BOLTE AND PARTNER GBR; BEKKERS JOOST JJ; PHILIPS INTELLECTUAL PROPERTY AND STANDARDS; ROLFES JOHANNES G A

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 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: APPARATUS FOR DETECTING CONTAMINANTS IN A LIQUID AND A SYSTEM FOR USE THEREOF

Abstract: Disclosed herein are apparatus and methods for detecting and quantifying contaminants in aqueous solutions. In one embodiment, an apparatus for the detection of contaminants within a liquid comprises a sensor and a controller. The sensor comprises a film and a transducer configured such that, during use, a first surface of the transducer is in fluid communication with a liquid, and the film is disposed between the first surface and the liquid. The film can be a polymeric material capable of hindering the transport of a non-desired species therethrough. The controller is in operational communication to the transducer, and is configured to determine the concentration of contaminants within the liquid.

Classifications:

International (IPC 8-9): G01N27/22 G01N27/26 G01N33/18 G21C17/022 B01D17/12 B60R21/00 C12M1/34 E21B47/10 F16N29/04 G01D21/02 G01F G01F23/00 G01F23/22 G01F23/24 G01F23/26 G01F23/284 G01N G01N1/10 G01N27/00 G01N27/02 G01N27/06 G01N27/08 G01N27/12 G01N27/327 G01N29/00 G01N29/02 G01N29/24 G01N30/26 G01N30/96 G01N33/00 G01N33/22 G01N33/28 G01N33/483 G01N33/487 G01R27/00 G01R27/22 G01R33/385 G01V3/00 G06K19/07 G06K19/077 G06K7/10 G07C5/00 G07C5/08 G21C17/00 G21C17/02 H03K17/955 H04B5/00 H04Q9/00 H05K1/16 (Advanced/Invention); G01N33/487 H04Q9/00 (Advanced/Non-invention); G01N1/10 G01N27/06 G01N27/22 G01N27/26 G01N30/00 G01N33/18 G01R27/22 G21C17/02 (Core/Invention)

CPC: G01N27/08 G01N27/22 G01N27/26 G01N33/2847 G01F23/24 G01F23/244 G01F23/26 G21C17/022 G21Y2002/202 G21Y2002/302 G21Y2004/30 G01N33/18 G06K7/10366 G01N33/2823 G01N33/483 H04Q9/00 H04Q2209/40 H04Q2209/47 G01N33/0031 H05K1/16 H05K2201/0338 H05K2201/09263 H05K2201/10151 G01F23/261 G01N33/2888 G01F22/00 G01F23/241 E21B47/10 H04B5/0043 G01N27/02 G01N33/48792 Y10T29/4913 G01D21/02 G01N27/3278 G01N27/025 G07C5/0816 G07C5/006 B60W2400/00 F16N29/04 G07C5/0841 G01F23/284 F01M11/10 F01M2011/1406 F16N2200/00 F16N2200/08 F16N2210/04 F16N2260/18 F16N2270/54 G01N27/023 G01N27/026

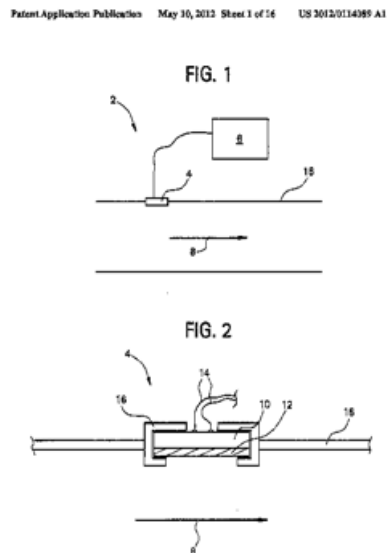
European: G01N27/08 G01N27/22 G01N27/26 G01N27/333 G01N33/18 G21C17/022 S21Y2/202 S21Y2/302 S21Y4/30

US: 1/1 324/655 324/693 340/10.1 340/856.3 376/247 376/247P 376/259 376/259S 422/82.01 422/82.010S 702/23 73/290R 73/61.43 73/61.44 73/61.61 73/64.53

JP F-Term: 2G052 2G052/AA06 2G052/AB22 2G052/AC26 2G052/AD26 2G052/BA22 2G052/CA04 2G052/EA02 2G052/GA21 2G052/JA11 2G060 2G060/AA06 2G060/AE17 2G060/AF01 2G060/AF06 2G060/AF15 2G060/AG06 2G060/AG10 2G060/FA01 2G060/FA10 2G060/FA17 2G060/HC13 2G075 2G075/AA02 2G075/CA40 2G075/DA07 2G075/FC14 2G060/AC01 2G060/AC02 2G060/AE33 2G060/HA02 2G060/HC10 2G060/AA01 2G060/AA05 2G060/AA08 2G060/AA15 2G060/AD06 2G060/AE16 2G060/AG14 4B029 4B029/AA07 4B029/BB01 4B029/BB15 4B029/BB20 4B029/CC01 4B029/FA15 4B029/GB10 4B029/HA10 2G060/AA16 2G060/AA19 2G060/AD08 2G060/AF03 2G060/AF07 2G060/AF11 2G060/AF20 2G060/AG13 2G060/KA09

JP F-Index: G01N1/10/B G01N27/06/A G21C17/02/F G21C17/02/300 G21C17/022 G01N27/02/Z C12M1/34 C12M1/34/Z

PatBase - US2012114089_A1

**Family:**

Publication number	Publication date	Application number	Application date
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AU2015268746 BB	20170907	AU20150268746	20151216
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Priority:

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US20170459806P	20170216	US20170794815	20171026	US20180884889	20180131

Probable Assignee: GENERAL ELECTRIC CO

Assignee(s): (std): DZHENERAL ELEKTRIK KOMPANI ; ELLSON NICHOLAS JOSEP ; GE HEALTHCARE BIO SCIENCES AB ; GEN ELECTRIC ; GENERAL ELECTRIC CO ; POTYRAILO RADISLAV ALEXANDROVICH ; MONK DAVID JAMES ; GEN ELECTRIC COMANY ; GENERAL ELECTRICITY CO ; TAMAKI RYO ; SURMAN CHERYL MARGARET

Assignee(s): BL TECHNOLOGIES INC ; DIERINGER JON ALBERT ; GO STEVEN ; MORRIS WILLIAM GUY ; PLATT WILLIAM CHESTER ; POTYRAILO RADISLAV A ; GENERAL ELECTRIC COMANY ; GENERAL ELECTRIC COMPANY ; GENERAL ELECTRIC CO GE

Inventor(s): (std): TAMAKI RYO ; LEE YONGJAE ; COTERO VICTORIA EUGENIA ; CHERYL MARGARET SURMAN ; BURNS

Inventor(s): ANDREW ARTHUR PAUL ; WILLIAM GUY MORRIS ; WILLIAM CHESTER PLATT ; SURMAN CHERYL MARGARET ; STEVEN GO ; RADISLAV A POTYRAILO ; POTYRAILO RADISLAV ALEXANDER ; POTYRAILO RADISLAV A ; PLATT WILLIAM CHESTER ; OTTIKKUTTI PRADHEEPARAM ; MORRIS WILLIAM GUY ; KUZHIYIL NAJEEB M ; JON ALBERT DIERINGER ; IGOR TOKAREV ; GO STEVEN ; ELLSON NICHOLAS JOSEP ; DIERINGER JON ALBERT ; TOKAREV IGOR ; S GAO ; POTYRAILO RADISLAV ALEXANDROVICH ; KANDAPALLIL BINIL ; MONK DAVID JAMES ; NAGRAJ NANDINI ; NICHOLAS JOSEP ELLSON ; POTYRAILO RADISLAV ALEXANDROVI ; RADISLAV ALEXANDROVICH POTYRAILO RYO TAMAKI ; DAVID JAMES MONK

Agent(s): PHILLIPS ORMONDE FITZPATRICK; CRAIG WILSON AND CO; BORDEN LADNER GERVAIS LLP; ILLINGWORTH LAW WILLIAM ILLINGWORTH; LEE BRENDA; CAVILL ROSS DAVID; FOSTER CHRISTOPHER MICHAEL; IR MIGNI MYRIASANDRA SH MIP MSEL; IR MIGNI MYRIASANDRA MIP MSEL; NEVINPAT; KRANSELL AND WENNBORG KB BOX 27834 115 93 STOCKHOLM SE; ANDREW J; EILEEN B; MEUNIER CARLIN AND CURFMAN LLC; ANN M; JEAN K; FLETCHER YODER PC; JOHN P; DOMBROWSKI JOANNA M ET AL; WINTER CATHERINE J ET AL; GE HEALTHCARE BIO SCIENCES AB ET AL; PUNDSACK SCOTT R 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: MICRO PLASMA REACTOR

Abstract: A plasma reactor for the creation of **energy** is disclosed, which comprises of several technical means (wall, seal, ort/gate, outcome), and which contains materials from which at least one sub-quantity being radioactive and/or being able to be transformed in a radioactive isotope during the internal process, other materials from which at least one sub-quantity being an inert gas and/or being able to be transformed in an inert gas or in inert gas vapour during the internal process, other materials from which at least one sub-quantity being a atomic or molecular metallic material and/or being able to be transformed in a atomic or molecular metallic material, in metallic gas or in metallic vapour during the internal process, and other materials from which at least one sub-quantity is hydrogen and/or being able to be transformed in a atomic or molecular hydrogen, during the internal process, and where upon the sealing of said chamber said materials, a controllable interaction process - called the initial dynamic process - of repositioning the plasmatic **magnetic energy fields** of the introduced elements starts, where a number of the dynamic actions between them lead to the creation of new plasmatic **magnetic energy fields**, like in atomic, plasmatic and molecular level, and where the interaction between at least two of them simultaneously lead to the fragmentation of existing plasmatic **energy fields**. This leads to creation of current and **energy** from the reactor, and where from these fragmentations can be collected useful **energy** output. These self-sustaining reactors can be build in in many objects and machines.

Classifications:

International (IPC 8-9): G21B1/00 G21K1/00 (Advanced/Invention);

G21B1/00 G21K1/00 (Core/Invention)

CPC: G21B1/00

European: G21B1/00

PatBase - WO08113393_A2



Fig. 10

Family:

Publication number	Publication date	Application number	Application date
WO08113393 A2	20080925	WO2007EP02607	20070322
WO08113393 A9	20110224	WO2007EP02607	20070322

Priority:

WO2007EP02607 20070322

Probable Assignee: TAVAKOLI KESHE MEHRAN

Assignee(s): (std): TAVAKOLI KESHE MEHRAN

Inventor(s): (std): TAVAKOLI KESHE MEHRAN

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 IT JP KE KG KM KN KP KR KZ LA LC 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: SELF-STERILIZING **DEVICE**

Abstract: An insertable medical element may be supportive of evanescent **energy** for sterilization of a biomaterial. A system including an insertable medical element supportive of evanescent **energy** may include an **energy** source, where the **energy** source may be emissive of electromagnetic or plasmon **energy**, a sensor such as a surface plasmon resonance sensor, and/or it may include an imager.

Classifications:

International (IPC 8-9): A47L1/02 A47L15/00 A61B1/04 A61B18/00 A61B18/04 A61B18/12 A61B18/18 A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B5/145 A61B5/1455 A61B5/1468 A61B5/1486 A61B6/00 A61F2/30 A61F2/54 A61F7/00 A61F7/12 A61H1/00 A61K9/22 A61L17/14 A61L2/00 A61L2/02 A61L2/03 A61L2/08 A61L2/10 A61L2/14 A61L2/16 A61L2/18 A61L2/232 A61L2/24 A61L2/26 A61L27/28 A61L27/30 A61L27/54 A61L29/00 A61L29/08 A61L29/14 A61L29/16 A61L31/02 A61L31/08 A61L31/14 A61L31/16 A61M1/00 A61M25/00 A61M27/00 A61M37/00 A61M39/00 A61M5/00 A61M5/142 A61M5/168 A61N1/00 A61N1/05 A61N1/08 A61N1/20 A61N1/30 A61N1/36 A61N5/00 A61N5/06 B01J19/00 B01J19/12 B08B7/00 B08B9/00 B08B9/20 B82Y30/00 B82Y5/00 E05B1/00 G05D7/06 G06F12/14 G09B19/00 (Advanced/Invention); A61B17/52 A61B18/20 A61B5/053 A61B5/145 A61B5/1459 A61B5/1473 A61F2/00 A61F2/48 A61L11/00 A61L2/04 A61L2/18 A61L9/00 A61N1/20 A61N1/372 A61N1/378 A61N1/40 A61N5/02 A61N5/06 A61N5/10 A61N7/00 B82Y40/00 B82Y5/00 C23F11/00 (Advanced/Non-invention);

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CPC: A61L2/16 A61L2/18 A61L2/22 A61L2/23 A61L2202/15 E05B1/0069 A61L2/10 A61B2503/40 A61M27/002 A61B5/7267 A61B5/0086 A61B5/0091 A61B5/07 A61B5/201 A61B5/202 A61B5/4331 A61B5/4381 A61B5/6861 A61B2017/00212 A61B5/0205 A61B5/026 A61B5/061 A61B5/6862 A61B5/6876 A61B1/041 A61B1/043 A61B1/3137 A61B5/02007 A61B5/417 A61B5/418 A61B18/22 A61B2017/00106 A61B2018/1807 A61N7/02 A61B5/0095 A61M27/006 A61L2/0023 A61L2/0029 A61L2/0088 A61L2/025 A61B5/4839 A61B2560/0219 A61B2562/0204 A61L2/0047 A61M2025/0056 A61B5/6852 A61B5/14507 A61L2/0052 A61B5/145 A61B5/14503 A61B5/14532 A61B5/14539 A61B5/14546 A61B5/1459 A61B5/1473 A61M5/14276 A61N1/40 A61N1/403 A61N5/02 A61N5/10 A61N7/00 A61N2005/0651 A61N2005/0652 A61N2005/0661 A61B8/56 A61B5/0059 A61B5/0075 A61B5/0084 A61B5/0097 A61B5/01 A61B5/0215 A61B5/0507 A61B5/053 A61B5/4283 A61B5/4294 A61B5/4318 A61B5/4842 A61B5/4881 A61B6/481 A61B8/08 A61B8/12 A61B2562/245 A61M25/00 A61M25/0045 A61M2025/0019 A61B34/32 A61B2034/303 A61B34/30 A61B34/72 A61B2034/302 A61B2090/378 A61B17/00491 A61B18/14 A61B18/20 A61F2/02 A61N1/36 A61L2/232 A61L2/26 A61L17/145 A61L27/28 A61L27/306 A61L27/54 A61L29/00 A61L29/16 A61L31/08 A61L2300/606 B82Y5/00 B82Y30/00 B82Y40/00 A61F2002/009 A61F2002/3068 A61F2002/3084 A61F2002/30932 A61F2250/0068 A61F2310/00616 A61L2/03 A61B5/0295 A61L31/14 A61L31/16 A61L31/024 A61L31/026 A61L2300/404 A61L2300/108 A61L2300/10 A61L2/24 A61L29/08 A61B5/06 A61B5/0071 A61B5/412 A61B2018/00005 A61B18/24 A61N7/022 A61L2/00 A61B18/1492 A61N1/205 A61N1/37252 A61N1/3785 A61N1/3787 A61F2/30 A61F2/32 A61F2002/30031 A61F2002/30087 A61F2002/30668 A61F2002/3067 A61F2002/30677 A61F2002/48 A61F2002/481 A61F2002/482 A61F2250/0001 A61F2250/0002 A61F2250/0056 A61F2310/0097 A61L2202/14 A61L2202/24 A61M5/001 A61N5/0601 A61N5/062 A61N5/0624 A61N2007/0043 A61L2/0011 A61L2/08 A61L2/14

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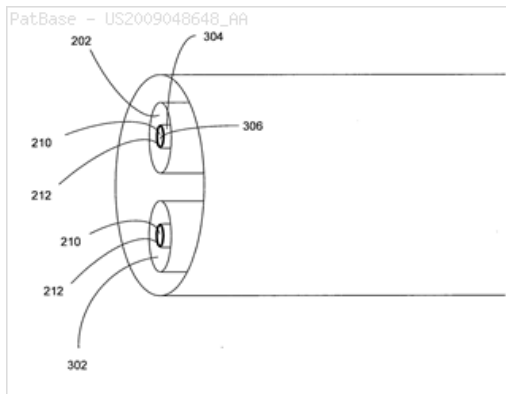
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JP F-Index: A61B19/00/502 A61B90/70 A61L2/08 A61L2/10

Family:

Publication number	Publication date	Application number	Application date
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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 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: SYSTEM AND METHODS FOR RAISED TOUCH SCREENS

Abstract: A touch sensitive display assembly includes a touch screen and a button array. The touch screen is configured to display one or more input keys. The button array includes one or more buttons corresponding to the one or more input keys. The button array is formed by a substrate attached to a button membrane thereby creating a set of button cavities corresponding to the input keys. The button cavities are configured to be inflated and deflated by a pump coupled to a fluid reservoir. The cavities can be inflated/deflated together, in subsets, and/or individually. In some embodiments, the button array is sandwiched between a touch sensing **layer** and a display of the touch screen. In other embodiments, the button array can be located either above or below the touch screen.

Classifications:

International (IPC 8-9): F04B43/10 F04B43/113 F04B45/073 G06F G06F1/16 G06F3/01 G06F3/02 G06F3/03 G06F3/0354 G06F3/041 G06F3/044 G06F3/045 G06F3/046 G06F3/047 G06F3/0488 G06F3/0489 G08B6/00 G08C21/00 G09B21/00 G09G5/00 H01H13/14 H01H13/70 H01H13/84 H01H13/85 H01H9/16 H03K17/94 H03K17/967 H03M11/00 (Advanced/Invention); G06F1/16 G06F3/041 G09B21/00 (Advanced/Non-invention); G06F3/041 G08C21/00 G09G5/00 (Core/Invention)

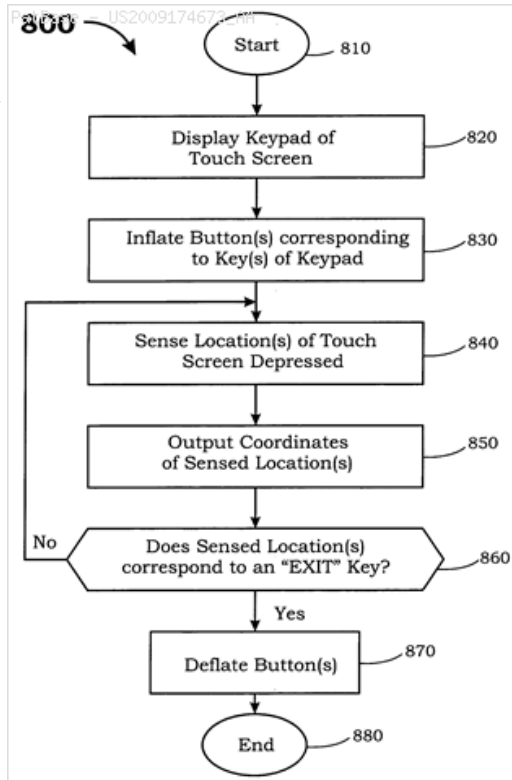
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK 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: SYSTEM AND APPARATUS FOR EYEGLASS APPLIANCE PLATFORM

Abstract: The present invention relates to a personal multimedia electronic **device**, and more particularly to a head-worn **device** such as an eyeglass frame having a plurality of interactive **electrical**/optical components. In one embodiment, a personal multimedia electronic **device** includes an eyeglass frame having a side arm and an optic frame; an output **device** for delivering an output to the wearer; an input **device** for obtaining an input; and a processor comprising a set of programming instructions for controlling the input **device** and the output **device**. The output **device** is supported by the eyeglass frame and is selected from the group consisting of a speaker, a bone conduction **transmitter**, an image projector, and a tactile actuator. The input **device** is supported by the eyeglass frame and is selected from the group consisting of an audio sensor, a tactile sensor, a bone conduction sensor, an image sensor, a body sensor, an environmental sensor, a global positioning system receiver, and an eye tracker. In one embodiment, the processor applies a user interface logic that determines a state of the eyeglass **device** and determines the output in response to the input and the state.

Classifications:**International (IPC 8-9):** G02B27/00 G02B27/01 G02B27/02

G02C11/00 G03B21/14 G03B21/56 G06F3/01

G09G5/00 (Advanced/Invention);

G02B27/02 G02C11/00 G03B21/14 G06F3/01

G09G5/00 (Core/Invention)

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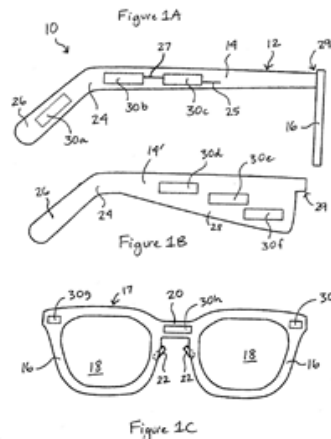
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Priority:

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WO2009US59908 20091007	US20090579356 20091014	US20150612556 20150203

Probable Assignee: CHAUM DAVID**Assignee(s):** (std): CHAUM DAVID ; MOSSBERG THOMAS W ; ROGERS JOHN R**Inventor(s):** (std): CHAUM DAVID ; MOSSBERG THOMAS W ; ROGERS JOHN R**Inventor(s):** ROGERS JOHN ; MOSSBERG THOMAS**Agent(s):** REEVE NICHOLAS EDWARD; CHRISTIE PARKER AND HALE LLP; BIRDWELL WILLIAM A ET AL; PARCHER TIFFANY A

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

Title: RELIABLE DOWNHOLE DATA TRANSMISSION SYSTEM

Abstract: A downhole signal transmission system provides **electric** radiofrequency signals that are coupled to **electrically conductive** or non-**conductive** fluids through **electrical** insulators. A plurality of signal repeaters are tuned to the frequencies of the radiofrequency signals, and a plurality of transmission lines terminated by resonance circuits are also provided such that the terminating resonance circuits resonate on the frequencies of the **electric** radiofrequency signals. The plurality of signal repeaters and plurality of transmission elements are arranged to be redundant such that a failure of one or more of the signal repeaters or a failure of one or more of the transmission elements does not substantially affect the operation of the data transmission system. The signal repeaters and transmission elements also are arranged such that a failure of any of the signal repeaters or a failure of any of the transmission elements is communicated to the surface. During operation, the signal repeaters receive and **transmit** radiofrequency signals and the transmission elements transport radiofrequency signals between the repeaters. The downhole pipe section in which the downhole data transmission system is implemented includes rotary connections and a tubular pipe section arranged to transport radiofrequency signals over transmission elements wherein the inner cross section of the pipe section is approximately circular and the transmission elements take up approximately less than 5 percent of the cross sectional area around the periphery of the pipe.

Classifications:

International (IPC 8-9): E21B17/00 E21B17/02 E21B41/00 E21B47/00 E21B47/06 E21B47/12 E21B47/13 E21B49/00 G01V11/00 G01V3/00 G01V3/08 G01V3/18 G01V3/26 G01V3/28 H01F17/00 (Advanced/Invention);

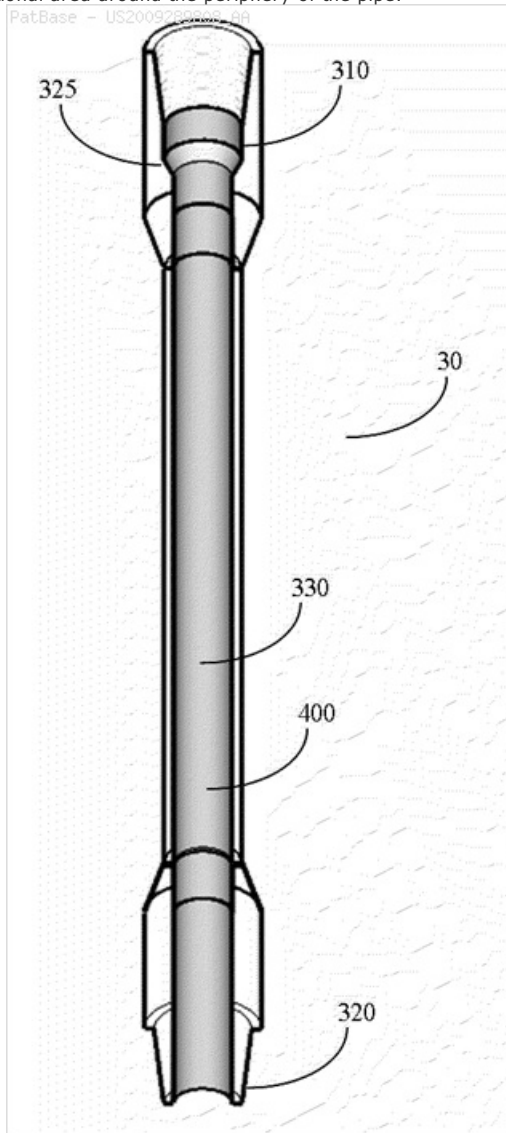
G01R27/04 G01V3/08 (Advanced/Non-invention);

G01V3/00 G01V3/18 H01F17/00 (Core/Invention)

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European: E21B17/00K E21B17/02E E21B47/12 E21B47/12M G01V11/00B

US: 1/1 175/40 324/338 324/338P 324/642 340/853.7 340/853.700P 340/854.4 340/854.8 367/82



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Assignee(s): MARTIN SCIENTIFIC LLP ; MARTIN SCIENTIFIC LLC

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

Title: TIGHTLY-COUPLED NEAR-**FIELD** COMMUNICATION-LINK CONNECTOR-REPLACEMENT CHIPS

Abstract: Tightly-coupled near-**field transmitter**/receiver pairs are deployed such that the **transmitter** is disposed at a terminal portion of a first conduction path, the receiver is disposed at a terminal portion of a second conduction path, the **transmitter** and receiver are disposed in close proximity to each other, and the first conduction path and the second conduction path are discontinuous with respect to each other. In some embodiments of the present invention, close proximity refers to the **transmitter** antenna and the receiver antenna being spaced apart by a distance such that, at wavelengths of the **transmitter** carrier frequency, near-**field** coupling is obtained. In some embodiments, the **transmitter** and receiver are disposed on separate substrates that are moveable relative to each other. In alternative embodiments, the **transmitter** and receiver are disposed on the same substrate.

Classifications:

International (IPC 8-9): F01C1/348 F01C1/356 F01C1/40 F01C21/08 F01C21/10 F03C2/30 F03C4/00 F04C18/00 F04C18/40 F04C2/00 F04C2/348 F04C2/356 F04C2/40 G01D5/12 G01R27/26 G01S11/02 G01S13/04 G01S13/08 G06F1/16 G06F1/18 G06F13/00 G06F13/40 G06F13/42 G06F15/16 G06F17/30 G06F3/12 G06F3/14 G06F7/04 G06K19/07 G06K19/077 G06Q20/32 G09G3/20 G09G5/00 H01F38/14 H01F7/02 H01L23/00 H01L23/12 H01L23/31 H01L23/495 H01L23/498 H01L23/66 H01L25/065 H01P3/12 H01P3/127 H01P3/16 H01P5/02 H01Q1/12 H01Q1/22 H01Q1/24 H01Q1/38 H01Q1/48 H01Q1/50 H01Q13/02 H01Q19/02 H01Q19/18 H01Q23/00 H01Q7/00 H01Q9/26 H01R11/30 H01R13/62 H01R13/631 H01R13/64 H01R13/646 H02J17/00 H02J50/10 H02J50/80 H03M3/02 H04B1/04 H04B1/38 H04B1/40 H04B1/401 H04B1/44 H04B13/00 H04B14/02 H04B14/06 H04B17/00 H04B17/309 H04B17/318 H04B5/00 H04B5/02 H04B7/00 H04B7/08 H04B7/24 H04J3/16 H04J3/24 H04L12/00 H04L12/12 H04L12/46 H04L25/02 H04L25/49 H04L27/00 H04L27/04 H04L29/02 H04L29/06 H04L5/14 H04L9/32 H04Q5/22 H04R3/00 H04W12/08 H04W4/00 H04W4/02 H04W4/80 H04W52/02 H04W76/02 H04W76/10 H04W76/23 H04W76/28 H04W8/00 H04W8/08 H05K1/02 H05K9/00 (Advanced/Invention); G06F3/0481 G06F3/0488 G09G5/00 H01L23/00 H01L23/31 H01L23/498 H04B1/38 H04B1/40 H04B5/00 H04L7/00 H05K1/02 (Advanced/Non-invention); H04B5/00 (Core/Invention)

CPC: H01L2223/6677 H04B7/00 H01Q1/50 H01Q13/02 F01C1/3566 H04L25/4902 H01R13/6205 H04R3/00 H01L2924/00 H01L2224/49 H04B1/04 H04W8/005 H04L25/40 H04W4/023 H01L23/49816 H01L23/49861 H01L24/48 H01L24/49 H01L2224/16225 H01L2224/16245 H01L2224/32225 H01L2224/32245 H01L2224/48091 H01L2224/48227 H01L2224/48247 H01L2224/49113 H01L2224/73204 H01L2924/09701 H01L2924/10253 H01L2924/13091 H01L2924/15311 H01Q7/00 H01Q9/26 H04L67/2823 H04L67/06 H04L69/08 H04L2463/101 G06F13/4027 H04L12/12 H01L2224/48137 H01L2924/3011 H01L2924/3025 H01Q1/2283 H01L2224/49111 H04L7/0087 H01Q1/22 H04B17/309 H04L63/00 H04L63/0876 H01L2924/00014 H01P3/165 H04B5/0025 H04L5/1407 H01L2924/30111 H04B17/318 F01C1/348 F01C21/0809 F01C21/0836 F01C21/106 F01C21/108 F04C2/348 F04C2/3566 F04C2240/10 F04C2240/20 F04C2240/603 G01S13/08 H04L29/06068 G06F1/1626 G06F1/181 G06F1/182 G09G2330/00 H04B5/0012 H01Q19/021 H01Q1/48 H01Q19/18 H04W12/08 H04L63/107 H04L63/0428 H01L23/66 H04R2420/09 H04R2420/07 H04B1/44 H01L2224/05554 H01L24/73 H04W52/0229 H05K1/0243 H05K1/0259 H01L2924/00012 G09G5/006 H04B7/24 G01S13/04 H04L12/4633 H04B5/005 H01F7/0252 H02J50/10 H04B5/0075 H04B1/40 G06F3/14 G06F13/42 H02J50/80 H01P3/127 G09G2330/021 G06F3/0488 G06F3/0481 G06F13/00 H01Q1/12 H01P3/122 H04B5/0037 H04B14/02 H04L27/04 H01L23/3128 H01L2224/49171 H01L2224/73265 H01L2924/181 H04B1/401 H04B5/02 H01P3/16 H04B5/00 H04W8/085 Y02D70/142 Y02D70/144 Y02D70/166 Y02D70/40 Y02D70/42 Y02D50/40 H04W76/10 Y02D10/14 H04W76/28 H04W76/14 G09G3/2096 G06F1/1622 G06F1/1654 G06F1/1681 G06F1/1698 G09G5/003 G09G2370/12 G09G2370/16 G06Q20/3278 H05K2201/10098 H04W76/23 H04B5/0031 H04W4/80

European: G01S13/04 G01S13/08 H01L23/498L H01L23/66 H01Q7/00 H01Q9/26 H04B14/02 H04B5/00P2 H04B5/02 H04L25/49A H04L27/04 T01L23/498C4

US: 1/1 174/257 235/462.45 307/104 310/28 320/108 327/105 327/291 330/255 332/106 333/239 333/24R 340/539.1 340/568.1 340/572.2 340/572.4 340/572.8 341/173 341/20 342/118 342/350 342/386 343/833 343/905 345/168 345/520 361/679.01 361/679.09 361/679.27 370/277 370/474 375/259 375/295 375/376 381/117 381/79 382/313 398/116 418/143 439/246 439/39 455/113 455/234.1 455/39 455/41.1 455/41.2 455/552.1 455/67.11 455/90.2 455/90.3 600/547 704/271 708/271 710/106 710/29 713/168 726/3 726/4

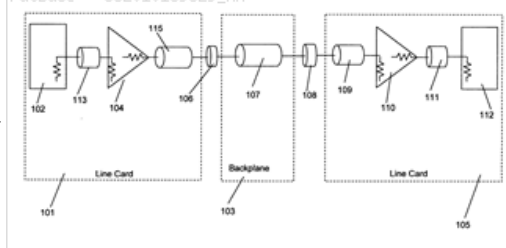
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Family:

Publication number	Publication date	Application number	Application date
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Assignee(s): KEYSSA INC CAMPBELL ; KEYSSA INC CAMPELL

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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: FULL COLOR GAMUT DISPLAY USING MULTICOLOR PIXEL ELEMENTS

Abstract: A display **device** is provided that includes a plurality of pixels, where each pixel includes a single subpixel. In a first aspect, a single subpixel is able to sequentially generate a plurality of (e.g., at least three) primary colors. As a result of the single subpixel, the display is able to supply a gamut of colors including at least 3 primaries colors. For example, the sequential generation of the 3 primary colors may involve operating the subpixel in a time division multiplex (TDM) mode, and a primary combination color is supplied in response to the subpixel generating 2 primary colors in respective TDM subframes. When the pixel includes at least two neighboring subpixels, the pixel may additionally be operated in a spatial division multiple (SDM) mode or in the TDM mode.

Classifications:

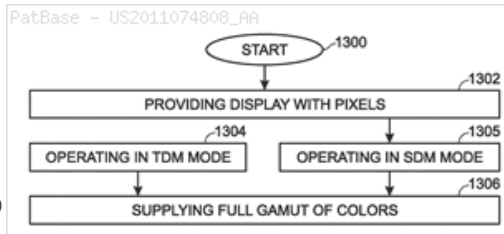
International (IPC 8-9): B05D5/12 B25B23/14 B32B7/02 B82Y20/00

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European: G02B26/00C G02B5/00P G02F1/01M2 G02F1/1334 G02F1/1335R2 G02F1/19 G02F1/23 S02F202/36 S02F203/10 S02F203/15 S02F203/34 **US:** 1/1 126/710 126/714 216/13 216/13S 216/24 345/108 345/173 345/590 345/590P 345/690 345/690P 345/85 348/770 348/771 349/106 349/117 349/117P 349/139 349/139P 349/15 349/166 349/187 349/201 349/201P 349/32 349/32P 349/84 349/88 349/88P 349/88S 349/96 359/224 359/228 359/240 359/240S 359/245 359/290 359/290P 359/290S 359/291 359/291P 359/292 359/295 359/296 359/298 359/315 359/316 359/359 359/361 359/452 359/462 359/483.01 359/483.03 359/483.04 385/28 427/109 427/126.1 427/126.3 427/164 438/30 73/862.25 73/862.625 977/773 977/834 977/890 977/890S

JP F-Term: 2H092 2H092/GA13 2H092/GA21 2H092/HA03 2H092/HA04 2H092/NA01 2H092/NA26 2H092/PA12 2H092/QA12 2H191 2H191/FA31 2H191/FB14 2H191/FD04 2H191/GA04 2H191/GA05 2H191/GA10 2H191/HA19 2H191/LA22 2H191/LA40 2H191/NA45 2H291 2H291/FA31 2H291/FB14 2H291/FD04 2H291/GA04 2H291/GA05 2H291/GA10 2H291/HA19 2H291/LA22 2H291/LA40 2H291/NA45

JP F-Index: G02F1/1335 G02F1/1343

**Family:**

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Priority:

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Probable Assignee: SHARP KK

Assignee(s): (std): SHARP KK ; HUANG JIANDONG ; SHARP LAB OF AMERICA INC ; SCHUELE PAUL J ; SHARP CORP ; KOPOSOV ALEXEY ; DALY SCOTT J ; EVANS DAVID R ; FENG XIAO FAN ; HASHIMURA AKINORI ; HINCH GARY ; TWEET DOUGLAS J ; VOUTSAS APOSTOLOS T ; TANG LIANG ; VOUTSAS APOSTOLOS T ; SHARP LABORTORIES OF AMERICA INC ; TWEET DOUGLAS ; VOUTSAS APOSTOLOS

Assignee(s): WELLS FARGO BANK NATIONAL ASSOCIATION COLLATERAL AGENT AS ; SHARP LABORATORIES OF AMERICA INC (SLA) ; SHARP LABORATORIES OF AMERICA INC SLA ; SHARP KABUSHIKI KAISHA ; SHARP LABORATORIES OF AMERICA INC ; NEKTAR THERAPEUTICS

Inventor(s): (std): TWEET DOUGLAS J ; HASHIMURA AKINORI ; VOUTSAS APOSTOLOS T ; VOUTSAS APOSTOLOS T ; AKINORI HASHIMURA ; LIANG TANG ; COCILOVO BYRON ; VOUTSAS APOSTOLOS ; SCHUELE PAUL J ; ZHANG JINGYU ; EVANS DAVID R ; KOPOSOV ALEXEY ; HINCH GARY ; TWEET DOUGLAS ; DALY SCOTT J ; TANG LIANG ; FENG XIAO FAN ; HUANG JIANDONG

Agent(s): MUELLER HOFFMANN AND PARTNER; HARAKENZO WORLD PATENT AND TRADEMARK; LAW OFFICE OF GERALD MALISZEWSKI; GERALD; LAW OFFCE OF GERALD MALISZEWSKI

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: **WIRELESS** POWERED ELECTROCHROMIC WINDOWS

Abstract: Electrochromic windows powered by **wireless** power transmission are described, particularly, the combination of low-defectivity, highly-reliable solid state electrochromic windows with **wireless** power transmission. **Wireless** power transmission networks which incorporate electrochromic windows are described.

Classifications:

International (IPC 8-9): E06B E06B3/00 E06B3/66 E06B3/67 E06B3/673 E06B5/00 E06B7/00 E06B9/24 F24F11/30 F24F11/62 G02F G02F1/01 G02F1/03 G02F1/15 G02F1/153 G02F1/161 G02F1/163 G02F1/23 G02F1/25 G05B13/02 G05B15/02 G05B19/042 G05B23/02 G06F G06F17/00 G06F9/30 G06F9/54 G06Q G06Q10/06 G06Q50/10 G06T17/10 G06T19/00 G08C G08C17/02 G08C23/04 G09G G09G3/19 G09G3/34 G09G3/38 G09G5/00 H01F27/42 H01L31/18 H02J H02J17/00 H02J5/00 H02J50/00 H02J50/10 H02J50/20 H02J50/50 H02M3/158 H04L12/28 H04N9/16 H04Q H04Q9/00 (Advanced/Invention); G06F17/00 H02J5/00 (Advanced/Non-invention)

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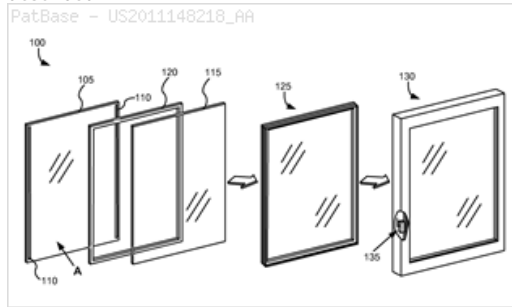
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European: G02F1/161 G02F1/163 T02J5/00T

US: 1/1 29/428 307/104 307/104P 345/105 348/817 359/265 359/275 359/275S 700/276

JP F-Term: 2K101 2K101/AA22 2K101/DA01 2K101/EC92 2K101/EC96 2K101/EE01 2K101/EJ21 2K101/EK05 5G063 2K101/DB05 2K101/DC54 2K101/EC94 2K101/EF03 2K101/EF11 2E039 2E043 2K101/DB33 2K101/DC52 2K101/EB82 2K101/EB83 2K101/EC72 2K101/ED21 2K101/ED72 3L260 3L260/BA74 3L260/CA32 3L260/CA34 3L260/FC35 3L260/FC37 3L260/FC38 3L260/JA12 3L260/JA17 5K048 5K048/AA04 5K048/AA15 5K048/BA07 5K048/BA51 5K048/BA52 5K048/EB02 5K048/EB10 5K048/HA01 5K048/HA02

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Probable Assignee: VIEW INC

Assignee(s): (std): ROZBICKI ROBERT ; PRADHAN ANSHU ; GROECHEL DAVID WALTER ; ROZBICKI ROBERT T ; BROWN STEPHEN C ; SOLADIGM INC ; SHRIVASTAVA DHAIRYA ; VIEW INC

Assignee(s): SILKWOOD DOUGLAS ; RUMER ALEXANDER ; VYU INK ; FRANK TREVOR ; BROWN STEPHEN CLARK ; CADET RONALD F ; N A ; KLAUHN ERICH R ; MANI VIJAY ; PRADHAN ANSHU A ; BANK OF NEW YORK MELLON TRUST CO NA ; BANK OF NEW YORK MELLON TRUST CO NA COLLATERAL AGENT AS

Inventor(s): (std): WANG JUE ; SILKWOOD DOUGLAS ; SILKWOOD DOUG ; SHRIVASTAVA DHAIRYA ; ROZBICKI ROBERT

T ; PRADHAN ANSHU ; MANI VIJAY ; KLAUHN ERICH R ; GROECHEL DAVID WALTER ; FRANK TREVOR ; CADET RONALD F ; BROWN STEPHEN C ; AMMERLAAN DAVID ; ROZBICKI ROBERT ; ROBERT ROZBICKI ; PRADHAN ANSHU A ; RUMER ALEXANDER ; BROWN STEPHEN CLARK

Inventor(s): C BROWN,STEPHEN C. ; A PRADHAN, ANSHU A. ; F CADET, RONALD F. ; BRAUN STEFEN K ; MARQUES TODD ; SHRIVASTAVA DHAIRYAA

Agent(s): SPRUSON AND FERGUSON; MARKS AND CLERK; JOHNSTON MAGNUS GEORGE; HASELTINE LAKE LLP; ELLA CHEONG HONG KONG LTD; SPRUSON AND FERGUSON HONG KONG LTD; RYUKA IP LAW FIRM; YURIDICHESKAYA GORODISSKIY I PARTNERY OOO FA; MARKS AND CLERK SINGAPORE LLP; WEAVER AUSTIN VILLENEUVE AND SAMPSON LLP; BRIAN D; GRIEDEL BRIAN D ET AL; GLADE STEPHEN C ET AL; WEAVER JEFFREY K ET AL; KESICH AMANDA ET AL; GRIFFITH JOHN F ET AL; KESICH AMANDA M ET AL

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

Title: ANTENNA **DEVICE** AND COMMUNICATION TERMINAL APPARATUS

Abstract: An antenna **device** includes an antenna element and an impedance converting circuit connected to the antenna element. The impedance converting circuit is connected to a power-supply end of the antenna element. The impedance converting circuit is interposed between the antenna element and a power-supply circuit. The impedance converting circuit includes a first inductance element connected to the power-supply circuit and a second inductance element coupled to the first inductance element. A first end and a second end of the first inductance element are connected to the power-supply circuit and the antenna, respectively. A first end and a second end of the second inductance element are connected to the antenna element and ground, respectively.

Classifications:

International (IPC 8-9): H01F17/00 H01F19/00 H01F19/04 H01F27/28 H01F27/30 H01F38/14 H01F5/00 H01P1/00 H01P1/203 H01P1/213 H01P5/08 H01P5/10 H01Q1/00 H01Q1/24 H01Q1/50 H01Q13/08 H01Q23/00 H01Q5/00 H01Q5/335 H01Q5/364 H01Q5/371 H01Q9/00 H01Q9/30 H03H7/00 H03H7/01 H03H7/09 H03H7/38 H03H7/40 H03H7/46 H03H7/48 H04B1/04 H04B1/18 H04B1/38 H04B1/3822 H04B1/3827 H04B1/40 (Advanced/Invention); H01F17/00 H01P1/20 H01P1/203 H01P1/213 H01P5/08 H01Q1/24 H01Q1/50 H01Q13/08 H01Q5/00 H01Q5/335 H01Q5/364 H01Q9/30 H04B1/04 H04B1/40 (Advanced/Non-invention); H01F19/04 H01F38/14 H01Q1/00 (Core/Non-invention)

CPC: H01F19/04 H01F2027/2809 H01P1/20 H01F17/0013 H01P1/2135 H01Q9/30 Y10T29/4902 H01Q1/243 H01Q5/371 H03H7/09 H03H7/1775 H03H7/38 H03H7/40 H03H7/468 H04B1/0458 H01Q5/0041 H01Q5/0055 H01Q5/335 H01Q5/364 H01P1/20345 H01Q1/50

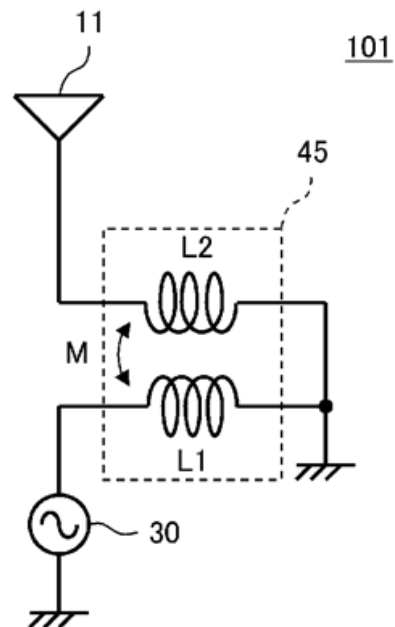
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US: 29/602.1 333/167 333/167S 333/32 333/32S 336/182 336/200 336/205 343/749 343/749P 343/850 343/860 343/860P

JP F-Term: 5J024 5J024/AA01 5J024/CA06 5J024/CA09 5J024/DA05 5J024/DA29 5J024/DA32 5J024/DA33 5J024/DA35 5J024/EA03 5J037 5J047 5J047/AA02 5J047/AA05 5J047/AB06 5J047/FD01 5J047/FD02 5J059 5K011 5K011/DA02 5K011/EA06 5K011/JA01 5K011/JA03 5K011/KA13 5E070 5E070/AA11 5E070/AA19 5E070/AB01 5E070/BA12 5E070/CB02 5E070/CB13 5E070/CB17 5E070/EB04 5E070/AA01 5J046 5J046/AA02 5J046/AA03 5J046/TA03 5K060 5K060/CC04 5K060/DD04 5K060/JJ03 5K060/JJ04 5K060/LL07 5J011 5J011/CA14 5J046/AB06 5J046/AA04 5J047/AA03 5K062 5K062/AA06 5K062/AB02 5K062/AB10 5K062/AC01 5K062/AE02 5K062/BB03 5K062/BB19

JP F-Index: H01P5/08/Z H01P5/10/Z H01Q1/24/Z H03H7/09/Z H03H7/38/A H03H7/38/C H03H7/48 H04B1/3822 H04B1/40 H01F17/00/D H01F19/00/Z H01Q1/50 H04B1/04/B H01P1/00/Z H01P5/10/A H04B1/18/A

PatBase - US2011309994_AA



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US2012274431 AA	20121101	US20120546007	20120711	
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WO11090082 A1	20110728	WO2011JP50886	20110119	
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Priority:

JP20100009513	20100119	JP20100098313	20100421	JP20100098312	20100421
JP20100180088	20100811	JP20100209295	20100917	CN201180003206	20110119
CN201180006418	20110119	EP20110734686	20110119	JP20110008354	20110119
JP20110008534	20110119	JP20110008535	20110119	JP20110008533	20110119
WO2011JP50884	20110119	WO2011JP50883	20110119	WO2011JP50816	20110119
WO2011JP50886	20110119	US20110218501	20110826	JP20110229655	20110119
JP20110229656	20111019	US20150681222	20150408		

Probable Assignee: MURATA MFG CO LTD

Assignee(s): (std): ISHIZUKA KENICHI ; KATO NOBORU ; MURATA MANUFACTURING CO ; MURATA MFG CO ; OSRAM OPTO SEMICONDUCTORS GMBH

Assignee(s): MURATA MFG CO LTD NAGAOKAKYO SHI ; MURATA MANUFACTURING CO LTD ; MURATA MFG CO LTD

Inventor(s): (std): KENICHI ISHIZUKA ; NOBORU KATO ; ISHIZUKA KENICHI ; KATO NOBORU

Agent(s): SCHOPPE ZIMMERMANN STOECKELER ZINKLER SCHENK AND PARTNER MBB PATENTANWALTE; ZINKLER FRANZ; ZIMMERMANN TANKRED KLAUS; KEATING AND BENNETT LLP; MORISHITA TAKEKAZU ET AL; KAEDE PATENT ATTORNEYS OFFICE

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 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: BEAT-PRODUCT RADIO IMAGING METHOD (RIM)

Abstract: A beat-product radio imaging method (RIM) system uses a matched continuous wave (CW) **transmitter** and receiver to electronically image material in between. Signal attenuation measurements are taken from a number of different **transmitter** and receiver perspectives around the material. The **transmitter** and receiver each have a crystal oscillator rated at 10-ppm or better frequency uncertainty. The receiver's crystal oscillator is used as a local oscillator to beat down the **transmitter**'s carrier frequency to baseband. The frequency error between the local oscillator and the **transmitter** carrier frequencies produces a beat product of less than one Hertz in frequency and its magnitude is inversely proportional to the path attenuation between the **transmitter** and receiver. An extremely low-pass filter is used to remove everything above one Hertz in the detector. The receiver sensitivity is therefore extraordinarily high.

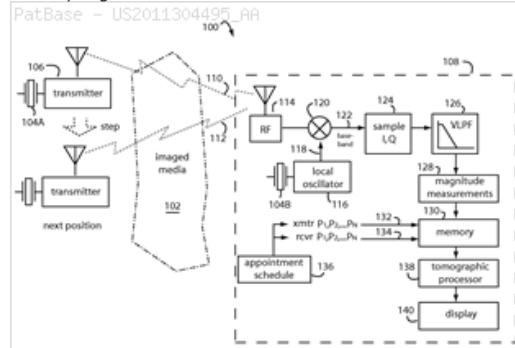
Classifications:

International (IPC 8-9): G01S13/00 G01S13/32 G01S13/56 G01S13/86 G01S13/88 G01S13/89 G01S7/35 G01S7/41 G01V11/00 G01V3/00 G01V3/10 G01V3/12 G01V3/17 G01V7/02 H01Q1/32 H01Q1/52 H01Q21/06 H04W4/04 (Advanced/Invention); G01S7/02 G01V3/17 (Advanced/Non-invention)

CPC: G01V3/104 G01S13/003 G01S13/56 G01S13/40 G01S13/888 G01S7/35 G01S13/32 H04W4/046 G01S13/867 G01S13/86 G01S13/89 G01S7/414 G01S2007/027 G01V3/12 G01V3/17 G01S13/885 H01Q1/04 H01Q9/0442 H01Q21/28 G01V3/15 G01S7/003 G01S13/0209 G01V3/00 G01V7/02

European: G01S13/00B G01S13/88D G01V3/12

US: 1/1 324/329 342/114 342/175 342/179 342/180 342/21 342/22 342/22P 342/27 342/28

**Family:**

Publication number	Publication date	Application number	Application date
US2011304495 AA	20111215	US20100815420	20100615
US2012062408 AA	20120315	US20110301762	20111121
US2014125508 AA	20140508	US20140150736	20140108
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Priority:

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Probable Assignee: STOLAR INC

Assignee(s): (std): BAUSOV IGOR ; DUNCAN JOSEPH ; SANCHEZ TITO ; STOLAR INC ; STOLAR RES CORP ; STOLAR RES INC ; STOLARCZYK GERALD ; STOLARCZYK LARRY G ; STOLARCZYK GERALD L

Assignee(s): STOLAR RESEARCH CORP ; STOLAR RESEARCH INC

Inventor(s): (std): BAUSOV IGOR ; BEARD BEAUX L ; BRIGGS MATTHEW L ; DUNCAN JOSEPH ; HUTCHINS JEFFREY D ; MAIN RICHARD B ; MAIN RICHARD BREWSTER ; MYERS JOHN A ; SALAZAR ERNEST M ; SANCHEZ TITO ; SANCHEZ TITO L ; STOLARCZYK GERALD ; STOLARCZYK GERALD L ; STOLARCZYK LARRY G ; UHL BRECKEN H ; VALENTINE CHANCE DAIN ; STOLARCZYK LARRY

Agent(s): RICHARD B; MAIN LAW FIRM; MAIN CAFE; MAIN LAW CAFE; MAIN RICHARD BREWSTER

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

Title: SYSTEMS AND METHODS FOR PROVIDING POSITIONING FREEDOM, AND SUPPORT OF DIFFERENT VOLTAGES, PROTOCOLS, AND POWER LEVELS IN A **WIRELESS** POWER SYSTEM

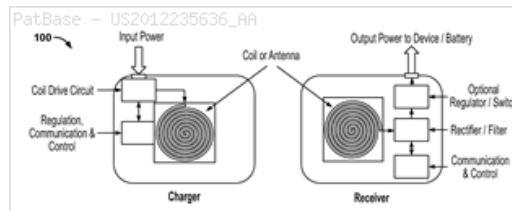
Abstract: Systems and methods for modifying the magnitude and/or phase of an **electromagnetic field** in one or multiple dimensions. Applications for use in charging or powering multiple **devices** with a **wireless** power charger system are also described. Applications include beam shaping, beam forming, phase array radar, beam steering, etc. and inductive charging and power, and particularly usage in mobile, electronic, **electric**, lighting, or other **devices**, batteries, power tools, kitchen, industrial applications, vehicles, and other usages. Embodiments of the invention can also be applied generally to power supplies and other power sources and chargers, including systems and methods for improved ease of use and compatibility and transfer of **wireless** power to mobile, electronic, **electric**, lighting, or other **devices**, batteries, power tools, kitchen, military, industrial applications and/or vehicles.

Classifications:

International (IPC 8-9): B60L1/02 B60L11/18 B60L3/00 H01F27/36 H01F38/14 H02J1/00 H02J17/00 H02J5/00 H02J50/00 H02J50/12 H02J50/20 H02J50/50 H02J50/70 H02J50/80 H02J50/90 H02J7/00 H02J7/02 H04B5/00 (Advanced/Invention); H02M1/00 H02M1/40 H02M3/337 (Advanced/Non-invention)

CPC: H04B5/0031 H02J7/0044 Y02T10/7055 H02M1/40 H02J7/0013 H02J7/0052 H02J50/60 H02J50/70 H02J50/90 H02J50/20 B60L1/02 B60L3/003 B60L3/0046 B60L11/1833 B60L2200/10 B60L2200/12 B60L2200/18 B60L2200/26 B60L2200/32 B60L2200/36 B60L2240/545 B60L2240/549 B60L2250/10 B60L2250/16 H01F27/365 H02J5/005 H02J7/025 H02M3/3376 H02M2001/0045 H04B5/0037 H04B5/0087 H04B5/0093 Y02T90/12 Y02T90/121 Y02T90/125 B60L11/182 B60L2210/30 B60L2240/547 H01F38/14 H02J7/0027 H02J50/50 H02J50/80 H04B5/0081 Y02T10/7005 Y02T10/7072 Y02T10/7241 Y02T90/122 Y02T90/127 Y02T90/14 Y02T90/16 H02J50/12 H02J7/0042 H02J17/00

US: 1/1 307/104 307/9.1 320/106 320/108 320/112 320/115 320/137 333/185 340/636.1 73/73



Family:

Publication number	Publication date	Application number	Application date
EP2664054 A2	20131120	EP20120736464	20120118
EP2664054 A4	20170517	EP20120736464	20120118
TW201347349 A	20131116	TW20130109907	20130320
TWI589086 B	20170621	TW20130109907	20130320
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US10115520 BB	20181030	US20130829346	20130314
US10141770 BB	20181127	US20150929315	20151031
WO12099965 A2	20120726	WO2012US21729	20120118
WO12099965 A3	20121101	WO2012US21729	20120118
WO13142720 A1	20130926	WO2013US33352	20130321

Priority:

US20110433883P	20110118	US20110478020P	20110421	US20110546316P	20111012
US20120352096	20120117	WO2012US21729	20120118	US20120613792P	20120321
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US20150929315	20151031				

Probable Assignee: MOJO MOBILITY INC

Assignee(s): (std): MOJO MOBILITY INC ; PARTOVI AFSHIN

Inventor(s): (std): PARTOVI AFSHIN ; MOJO MOBILITY INC

Agent(s): JENNINGS MICHAEL JOHN; LOUIS; WU LOUIS; KENNA KARL F 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 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: SYSTEM AND METHOD FOR SERVER BASED CONTROL

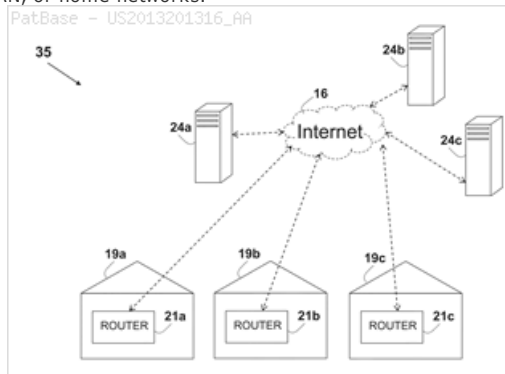
Abstract: A system and method in a building or vehicle for an actuator operation in response to a sensor according to a control logic, the system comprising a router or a gateway communicating with a **device** associated with the sensor and a **device** associated with the actuator over in-building or in-vehicle networks, and an external Internet-connected control server associated with the control logic implementing a PID closed linear control loop and communicating with the router over external network for controlling the in-building or in-vehicle phenomenon. The sensor may be a microphone or a camera, and the system may include voice or image processing as part of the control logic. A redundancy is used by using multiple sensors or actuators, or by using multiple data paths over the building or vehicle internal or external communication. The networks may be wired or **wireless**, and may be BAN, PAN, LAN, WAN, or home networks.

Classifications:

International (IPC 8-9): H04L29/08 (Advanced/Invention);
B60K31/00 B60K31/18 G01C21/00 G07C5/00
G08G1/00 (Advanced/Non-invention)

CPC: H04L67/12 B60K31/00 B60K31/18 B60Y2200/11 B60Y2200/12
B60Y2200/126 B60Y2200/13 B60Y2200/30 B60Y2200/40
B60Y2200/50 B60Y2200/90 G01C21/00 G06Q2240/00 G07C5/008
G08G1/00

US: 348/143 348/77 370/276 700/22 700/28 701/2 701/31.4 701/48
709/218



Family:

Publication number	Publication date	Application number	Application date
US2013201316 AA	20130808	US20130733634	20130103
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US2017331899 AA	20171116	US20170657163	20170723
US2018034912 AA	20180201	US20170716881	20170927
US2018124181 AA	20180503	US20170832787	20171206
US2018278693 AA	20180927	US20180992219	20180530
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US2018343304 AA	20181129	US20180053836	20180803

Priority:

US20120584500P 20120109	US20120620129P 20120404	US20120637030P 20120423
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Probable Assignee:

MAY PATENTS LTD

Assignee(s): (std):

MAY PATENTS LTD

Inventor(s): (std):

BINDER YEHUDA ; MAYTAL BENJAMIN

Title: RECEIVERS FOR **WIRELESS** POWER TRANSMISSION

Abstract: The present invention may provide various **electric** receiver arrangements which may be used to provide **wireless** power transmission using suitable power transmission techniques such as pocket-forming. In some embodiments, receivers may include at least one antenna connected to at least one rectifier and one power converter. In other embodiments, receivers including a plurality of antennas, a plurality of rectifiers or a plurality of power converters may be provided. In addition, receivers may include communications components which may allow for communication to various electronic equipment including **transmitters**, phones, computers and others. Lastly, various implementation arrangements may be provided for including receivers in electronic **devices**.

Classifications:

International (IPC 8-9): A41B1/08 A41D1/00 A41D1/02 A41D13/005

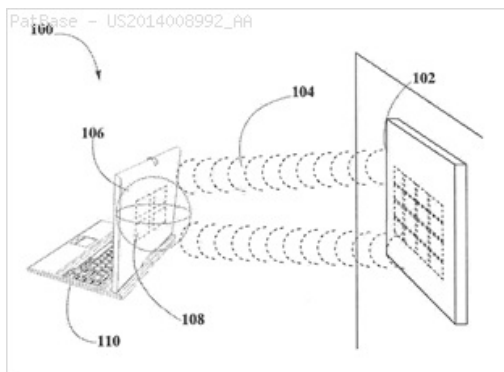
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CPC: A41B11/006 H04L29/06 H04B5/0056 H04B7/26 H04W40/06 H04W52/247 H04W52/42 H02J7/0027 H02J50/60 H04W52/283 Y04S40/24 Y10T307/406 H04W12/08 H04B5/0031 H02J50/30 H02J50/10 H02J50/50 H02J7/35 H04W4/80 H02J50/15 H02J50/70 H02J50/27 H02J2007/0096 H01Q1/243 H01Q1/248 H01Q3/26 H04M1/0202 A41D19/0027 A42B1/008 A43B17/003 A43B17/04 H02J50/00 H02J50/80 H02J50/90 H02J7/025 Y02B40/90 H02J7/0047 H04B7/10 A01K11/008 H02J50/05 Y10T307/391 H04B5/0037 H02J50/23 H02J7/0077 H02J5/005 H02J7/0042 H02J17/00 H02J50/40 A63F13/24 A63F13/98 H02J7/02 H04B5/00 H04B1/04 H04B3/54

US: 1/1 219/211 307/104 307/104 307/11 307/149 307/151 307/25 307/29 307/31 320/101 320/104 320/107 320/108 320/128 320/137 330/124R 342/372 455/573

JP F-Term: 5G063 5G503 5G503/BA01 5G503/BB01 5G503/GB08 5G503/GB09 5J021 5J021/AA05 5J021/AA09 5J021/FA13 5J021/GA02 5J021/GA03 5J021/HA10 5J021/AB03 5J021/AB06 5J021/CA06 5J021/JA05

JP F-Index: H01Q21/06 H01Q3/26/Z H02J50/10 H02J50/12 H02J50/15 H02J50/20 H02J50/80 H02J7/00/301/D H01Q21/24 H01Q3/24 H02J50/40



Family:

Publication number	Publication date	Application number	Application date
CN105453377 A	20160330	CN201480039401	20140609
CN107360732 A	20171117	CN201580077096	20151222
CN107408448 A	20171128	CN201580077115	20151222
EP3031123 A1	20160615	EP20140818136	20140609
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EP3238323 A1	20171101	EP20150874273	20151222
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JP2018506251 T2	20180301	JP20170534692T	20151222
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US2014008992 AA	20140109	US20130891399	20130510
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US20170397723	20170103	US20170820335	20171121	US20180912520	20180305

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Assignee(s): (std): DVINEWAVE INC ; ENERGIOUS ; ENERGIOUS 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: BODY TEMPERATURE LOGGING PATCH

Abstract: An actively-powered temperature data logger patch with **wireless** data communication includes a sealed, flexible battery comprising a printed electrochemical cell with an anode and a cathode, and a flexible circuit including a microprocessor, a temperature sensor configured to sense a temperature of a target subject, a **wireless** communication transceiver and an antenna. In one example, the flexible battery and flexible circuit are arranged in a covering, stacked arrangement between first and second substrate **layers**, and the patch configured to conform to a curved surface of the target subject. In another example, the patch is used in an actively-powered medical system for monitoring a body temperature of a patient, and includes an adhesive configured to be removably applied to skin of the patient. An external computing **device** is capable of two way communication with the **wireless** communication transceiver of the patch via an **electromagnetic field**.

Classifications:

International (IPC 8-9): A61B A61B5/00 A61B5/01 G01D9/00 G01K1/02 G01K13/00 G01K7/00 H01M4/08 H01M4/12 H01M6/40 H04B H04B7/24 (Advanced/Invention); A61B H04B (Subclass/Invention)

CPC: A61B5/01 G01K13/00 H04B7/24 A61B5/0008 A61B5/002 A61B2560/0204 A61B2562/0271 G01K1/022 G01K1/024 G01K13/002 A61B5/6833

US: 600/549

JP F-Term: 2F056 2F056/AE01 2F056/AE05 2F056/AE07 2F056/HD01 2F056/HD02 2F056/HD03 2F056/HD06 2F056/HD07 2F070 2F070/AA01 2F070/CC01 2F070/CC11 2F070/DD14 2F070/FF04 2F070/GG07 2F070/HH05 4C117 4C117/XB01 4C117/XC15 4C117/XD05 4C117/XE03 4C117/XE23 4C117/XE62 4C117/XH02 4C117/XP03 5H025 5H025/AA02 5H025/AA10 5H025/BB10 5H025/CC04 5H025/CC26 5H025/CC34 5H025/CC38 5H050 5H050/AA19 5H050/BA03 5H050/BA04 5H050/CA05 5H050/CB13 5H050/DA10 5H050/DA14 5H050/EA08 5H050/FA02 5H050/GA22 5H050/GA27 5H050/HA04

JP F-Index: A61B5/00/101/F A61B5/01/150 G01D9/00/L G01K1/02/E G01K1/02/R G01K7/00/341/G H01M4/08/Z H01M4/12/Z H01M6/40



Family:

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US20120721261P 20121101 EP20130852079 20130625 US20130926508 20130625
WO2013US47618 20130625 US20170726908 20171006

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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 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