

1) Family number: 42142428 (US2004015075A)

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Title: RADIOACTIVE EMISSION DETECTOR EQUIPPED WITH A POSITION TRACKING SYSTEM AND UTILIZATION THEREOF WITH MEDICAL SYSTEMS AND IN MEDICAL PROCEDURES

Abstract: A system for calculating a position of a radioactivity emitting source in a system-of-coordinates, the system comprising (a) a radioactive emission detector; (b) a position tracking system being connected to and/or communicating with the radioactive emission detector; and (c) a data processor being designed and configured for receiving data inputs from the position tracking system and from the radioactive emission detector and for calculating the position of the radioactivity emitting source in the system-of-coordinates.

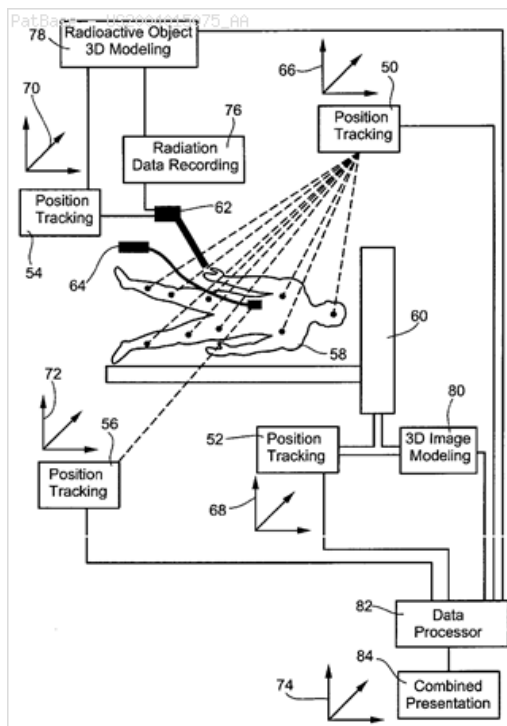
Classifications:

International (IPC 8-9): A61B1/05 A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B5/06 A61B5/07 A61B5/11 A61B6/00 A61B6/02 A61B6/03 A61B6/06 A61B6/12 A61F2/04 A61K101/00 A61K103/00 A61K103/10 A61K103/20 A61K103/30 A61K103/32 A61K31/66 A61K49/00 A61K51/00 A61K51/02 A61K51/04 A61K51/08 A61K51/10 A61M36/00 A61M36/14 A61M5/00 A61M5/31 A61N5/00 A61P35/00 A61P9/10 C08F210/00 C12Q1/04 C12Q1/16 C12Q1/68 F02B1/00 F16J15/02 F16J15/50 G01B11/28 G01B5/26 G01C19/00 G01C3/14 G01D18/00 G01J1/42 G01N33/574 G01N33/60 G01T1/00 G01T1/16 G01T1/161 G01T1/164 G01T1/166 G01T1/20 G01T1/24 G01T1/29 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/00 G06K9/00 G06K9/36 G06K9/68 G06Q10/00 G06Q50/00 G06Q50/22 G06T1/00 G06T11/00 G06T15/00 G06T17/00 G06T5/10 G06T5/50 G06T7/00 G21F5/00 G21F5/015 G21F5/06 H01L27/146 H04N13/00 H04N15/00 (Advanced/Invention); A61B1/31 A61B19/00 A61B5/055 A61B6/00 A61B6/03 A61B6/04 A61B6/12 A61B8/00 A61B8/08 A61K101/00 A61K103/00 A61K103/10 A61K103/20 A61K103/30 A61K103/32 A61N7/02 G01B11/28 G06K9/36 (Advanced/Non-invention); A61B1/05 A61B19/00 A61B5/00 A61B5/05 A61B5/06 A61B5/07 A61B5/11 A61B6/00 A61B6/03 A61B6/12 A61K31/66 A61K49/00 A61K51/00 A61K51/02 A61M36/00 A61N5/00 A61P35/00 A61P9/00 C08F210/00 C12Q1/04 C12Q1/16 C12Q1/68 F02B1/00 F16J15/02 F16J15/50 G01B11/28 G01B5/26 G01C19/00 G01C3/00 G01D18/00 G01J1/42 G01T1/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06K9/00 G06K9/36 G06K9/68 G06Q50/00 G06T1/00 G06T15/00 G06T17/00 G06T5/10 G06T5/50 G06T7/00 G21F5/00 H04N13/00 H04N15/00 (Core/Invention); A61B1/31 A61B19/00 A61B5/055 A61B6/03 A61B8/00 A61B8/08 A61N7/00 G01B11/28 G06K9/36 (Core/Non-invention); G01T (Subclass/Invention)

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Probable Assignee: BIOSENSORS INT GROUP LTD

Assignee(s): (std): AMRAMI RONI ; ANTEBI UDI ; BEN DAVID GAL ; BEN HAIM SHIOMO ; BEN HAIM SHLOMO ; BEN HAIM SIMONA ; BENNY ROUSSO ; BERMAN DANIEL ; BOUSKILA YONA ; BRONSHITINE ZOHAR ; BRONSHITINE ZOHAR ; DALIA DICKMAN ; DAVID GAL BEN ; DICHTERMAN ELI ; DICKMAN DALIA ; EINAV OMER ; GLUHOVSKY LEONID ; HAGLER MICHAEL ; KIMCHY YOAV ; MELMAN HAIM ; MICHAEL NAGLER ; MOADDEB SHAHRAM ; NAGLER MICHAEL ; ROTH NATHANIEL ; ROUSSO BENNY ; SAYADA CHALOM B ; SHLOMO BEN HAIM ; SIDORENKO NICK ; SPECTRUM DYNAMICS ; SPECTRUM DYNAMICS ISRAEL LTD ; SPECTRUM DYNAMICS LLC ; NIR Yael ; OMER EINAV ; POPPER ZIV ; RAVHON RAN ; TARGET CO LTD V ; TARGET LTD V ; TARGET TECHNOLOGIES LTD V ; ZILBERSTEIN YOEL ; ZILBERSTIEN YOEL ; ZIV OMER ; ZIV POPPER ; ZOHAR BRONSHITINE ; VALLABHAJOSULA SHANKAR ; VTARGET LTD ; WEISSBERG NIR ; YOEL ZILBERSTEIN ; SPECTRUM DYNAMICS MEDICAL LTD ; SAYADA CHALOM BRUNO ; BLOSENSOR INT GROUP LTD ; BIOSENSORS INT GROUP LTD

Assignee(s): MEDINVEST CAPITAL SA RL ; MEDINVEST CAPITAL RL SA ; SPECTRUM DYNAMICS LLC30 RAMLAND ROAD SOUTHORANGEBURGNY10962US ; SPECTRUM DYNAMICS (ISRAEL) LTD ; YONA BOUSKILA ; YOAV KIMCHY ; BIOSENSORS GROUP INT LTD ; V TARGET CO LTD ; TYLERTON INT INC ; TYLERTON INT ; SPECTRUM DYNAMICSP.O. BOX 202639120TIRAT HACARMELIL ; UDI ANTEBI ; V TARGET CO ; V TARGET LTD ; V TARGET TECHNOLOGIES LTD ; RONI AMRAMI ; SPECTRUM DYNAMICS LTD ; NICK SIDORENKO ; GAL BEN DAVID

Inventor(s): (std): AMARAMI RONI ; AMRAMI R ; AMRAMI RONI ; AMRANI RONI ; ANTEBI UDI ; BEN DAVID GAL ; BEN HAIM SHIOMO ; BEN HAIM SHLOMO ; BERMAN DANIEL ; BOUSKILA Y ; BOUSKILA Y KIMCHY R AMRAMI Y ; BOUSKILA YONA ; BRONSHITINE ZOHAR ; BEN HAIM SIMONA ; BRONSHITINE ZOHAR ; DAVID GAL BEN ; DICHTERMAN ELI ; DICKMAN DALIA ; GLUHOVSKY LEONID ; HAGLER MICHAEL ; HAJ YAHYA SAJED ; KIMCHY Y ; KIMCHY YOAV ; MELMAN HAIM ; MICHAEL ROUSSO BENNY NAGLER ; MOADDEB SHAHRAM ; NAGLER MICHAEL ; NIR Yael ; OMER EINAV ; POPPER ZIV ; EINAV OMER ; RAVHON RAN ; ROTH NATHANIEL ; ROUSSO BENNY ; VALLABHAJOSULA SHANKAR ; WEISSBERG NIR ; SAYADA CHALOM B ; SAYADA CHALOM BRUNO ; SIDORENKO NICK ; ZIBERSTEIN YOEL ; ZILBERSTEIN YOEL ; ZILBERSTIEN YOEL ; ZIV OMER

Inventor(s): ZIV POPPER ; ZOHAR BRONSHITINE ; ZILBERSTIEN YOELIL ; UDI ANTEBI ; SHLOMO BEN HAIM ; Y BOUSKILA ; Y KIMCHY ; Y KIMCHY R AMRAMI Y BOUSKILA ; YOAV KIMCHY ; YOEL ZILBERSTEIN ; YONA BOUSKILA ; ROUSSO BENNY NAGLER MICHAEL ; ROUSSO BENNYIL ; SAYADA CHALOM ; RONI AMRAMI ; EINAV OMERIL ; GAL BEN DAVID ; R AMRAMI ; NAGLER MICHAELIL ; NICK SIDORENKO ; MICHAEL NAGLER ; DICKMAN DALIAIL ; DALIA DICKMAN ; DAVID GAL ; BENNY ROUSSO ; BRONSHITINE ZOHARIL ; BEN HAIM SHLOMO LONDON ; BEN HAIM SHLOMOGB

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; SPRUSON AND FERGUSON; BULL HOUSSEY AND TUPPER LLP; MACHTALERE GEORGES; DENNEMEYER AND ASSOCIATES SA; FREEMAN AVI ET AL; BECK GREENER; SCHMITZ JEAN MARIE ET AL; FICHTER ROBERT ARNO ET AL; GE EHRILICH 1995 LTD; G E EHRILICH 1995 LTD C O ANTHONY CASTORINA; MARTIN MOYNIHAN, C/O ANTHONY CASTORINA; MARTIN MOYNIHAN C O ANTHONY CASTORINA; MARTIN MOYNIHAN, ANTHONY CASTORINA; MARTIN MOYNIHAN ANTHONY CASTORINA; WOLF BLOCK SHORR AND SOLIS-COHEN LLP; WOLF BLOCK SHORR AND SOLIS COHEN LLP; MARTIN D MOYNIHAN PRISI INC; MARTIN D MOYNIHAN PRISI; MARTIN D MOYNIHAN D B A PRISI INC; WILLIAM H DIPPET ECKERT SEAMANS CHERIN AND MELLOTT LLC; WOLF BLOCK SCHORR AND SOLIS COHEN LLP; DIPPET WILLIAM H; WILLIAM H; ECKERT SEAMANS CHERIN AND MELLOTT LLC; ECKERT SEAMANS CHERIN AND MELLOTT LLC; GE EHRILICH 1995 LTD ET AL; G E EHRILICH 1995 LTD

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 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 NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: IDENTIFICATION AND AUTHENTICATION USING POLYMERIC LIQUID CRYSTAL MATERIAL MARKINGS

Abstract: The present invention relates to a marking of polymeric liquid crystal material having determined optical characteristics allowing its authentication and reading by a machine and its authentication by the human eye. The marking is applied onto an item, good or article by a variable information printing process. The marking is in the form of indicia representing a unique code which allows for an easy authentication by the human eye and a secure tracking and tracing of the marked item, good or article throughout its life cycle.

Classifications:

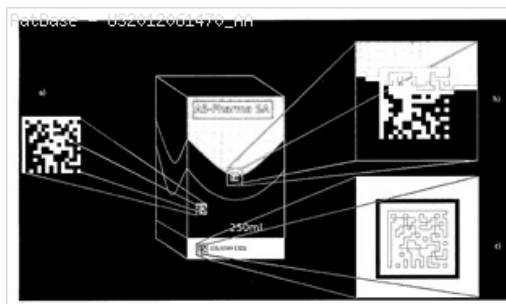
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European: G06K19/06C5

US: 1/1 106/31.13 106/31.92 235/454 235/454P 235/487 235/487S 252/299.01 252/299.5 252/299.64 347/110 347/110S 549/464 549/464S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20090384340 20090402 WO2009EP02434 20090402 EP20100716308 20100406
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US20120532240 20120625

Probable Assignee: SICPA HOLDING SA

Assignee(s): (std): ABOUTANOS VICKIE ; COMMEUREUC AURELIEN ; GREMAUD FREDERIC ; MARGUERETTAZ XAVIER ; ROZUMEK OLIVIER ; SABA AND CO ; SICPA HOLDING SA ; TILLER THOMAS

Assignee(s): SICPA HOLDING S A

Inventor(s): (std): GREMAUD FREDERIC F ; MARGUERETTAZ XAVIER AUGUSTO ; MARGUERETTAZ XAVIER X ; OLIVIER ROZUMEK ; ROZUMEK OLIVIER O ; THOMAS TILLER ; TILLER THOMAS T ; VICKIE ABOUTANOS ; XAVIER MARGUERETTAZ ; ABOUTANOS VICKIE V ; XAVIER MARGUEERTTAZ ; MARGUEERTTAZ XAVIER ; AURELIEN COMMEUREUC ; COMMEUREUC AURELIEN A ; FREDERIC GREMAUD ; MARGUERITTAZ XAVIER ; GREMAUD FREDERIC COMMEUREUC AURELIEN ABOUTANOS VICKEI TILLER THOMAS ROZUMEK OLIVIER ; TILLER THOMAS ; ROZUMEK OLIVIER ; MARGUERETTAZ XAVIER ; GREMAUD FREDERIC ; COMMEUREUC AURELIEN ; ABOUTANOS VICKIE

Inventor(s): GREMAUD FRDRIC ; COMMEUREUC AURLIEN

Agent(s): GRIFFITH HACK; SHELSTON IP; SHELSTON IP PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; OSLER HOSKIN AND HARCOURT LLP; CAREY; DELPRAT OLIVIER; HOFFMANN EITLE; CARVAJAL Y ISABEL; SHANGHAI PATENT AND TRADEMARK OFFICE; ZHONGZI IP; TOLGA CAYLAK; GREENBLUM AND BERNSTEIN PLC; BUBLAK WOLFGANG

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

3) Family number: 33005700 (US2006106518A)

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Title: IMAGE ACQUISITION AND PROCESSING SYSTEMS FOR VEHICLE EQUIPMENT CONTROL

Abstract: The present invention provides improvements in vehicle vision system components, vehicle vision systems and vehicle equipment control systems employing the vision system components and vision systems.

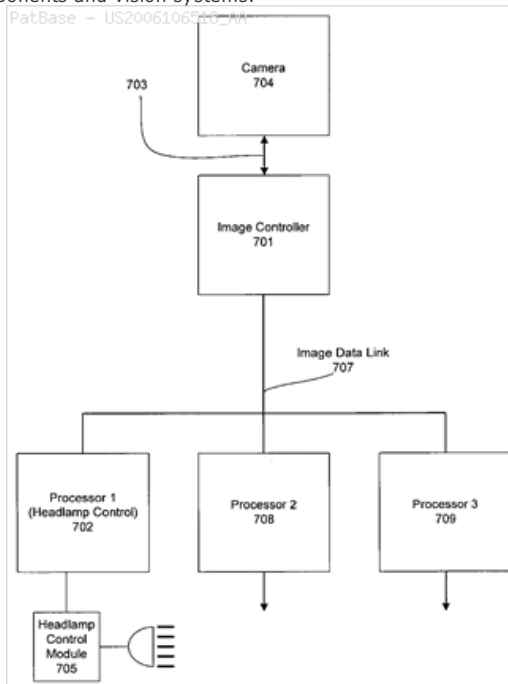
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CPC: B60R2300/8053 B60R21/01538 B60R1/00 B60Q1/1423 B60R1/04 B60R1/06 B60R1/12 B60R21/0134 B60R2001/1253 B60R2300/106 B60R2300/108 B60R2300/302 B60R2300/804 G08G1/167 B60Q1/143 B60Q9/008 G06K9/00798 G06K9/2018 G06T2207/30256 G06T7/13 G06T7/136

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US: 250/208.1 250/216 250/239 250/280.1 257/433 257/434 307/10.8 307/10.800S 340/307 340/435 340/461 340/469 340/901 340/903 340/939 348/ E9.002 348/148 348/148S 348/36 348/E13.007 348/E13.015 348/E5.031 348/E50.31S 348/E7.085 348/E70.85S 348/E9.002 348/E90.02 382/173 701/26 701/36 701/36S 701/38 701/49 701/49P



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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US20050710315P 20050908	EP20050851654 20051114	US20050273098 20051114
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Probable Assignee: GENTEX CORP

Assignee(s): (std): BECHTEL JON H ; BUSH GREGORY S ; CORNELL TIMOTHY S ; CRESWICK STEVEN B ; CURRIE STEVEN ; CURRIE STEVEN M ; DEBRUINE TIMOTHY S ; GENTEX CORP ; JEROMIN OLIVER ; JEROMIN OLIVER M ; OTEY STEPHEN L ; REESE SPENCER D ; STAM JOSEPH S ; WALSTRA ERIC J

Assignee(s): GENTEX CORP ZEELAND

Inventor(s): (std): BECHTEL JON H ; BUSH GREGORY S ; CORNELL TIMOTHY S ; CRESWICK STEVEN B ; CURRIE STEVEN ; CURRIE STEVEN M ; JEROMIN OLIVER ; JEROMIN OLIVER M ; OTEY STEPHEN L ; REESE SPENCER D ; STAM JOSEPH S ; WALSTRA ERIC J ; DEBRUINE TIMOTHY S

Inventor(s): DEBRUINE TIMOTHY S GRAND RAPIDS ; WALSTRA ERIC J GRAND RAPIDS ; STAM JOSEPH ; REESE SPENCER ; OTEY STEPHEN ; CRESWICK STEVEN ; BECHTEL JON ; STAM JOSEPH S HOLLAND ; WALSTRA ERIC ; DEBRUINE TIMOTHY ; BUSH GREGORY S GRAND RAPIDS ; BUSH GREGORY

Agent(s): MACRAE AND CO; BORDEN LADNER GERVAIS LLP; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MB; MILLER JAMES LIONEL WOOLVERTON ET AL; BRIAN J REES GENTEX CORP; BROOKS KUSHMAN PC; PRICE HENEVELD COOPE DEWITT AND LITTON LLP; PRICE HENEVELD LLP; SCOTT P

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

4) Family number: 65761726 (US2020210697A)

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Title: OPTICAL PUF AND OPTICAL READING OF A SECURITY ELEMENT

Abstract: According to a first aspect of the present invention, there is provided a method of determining a unique identifier for a security element, the method comprising: optically reading the security element via a configurable optical filter system, a readable optical transmission property of the filter system varying with respect to a configuration of the filter system; the reading comprising determining data indicative of an optical property of the security element at a first configuration of the filter system, and determining data indicative of an optical property of the security element at a second, different, configuration of the filter system; and the unique identifier being determined from a map of the variation in determined data indicative of an optical property with respect to the configuration of the filter system, wherein the reading is undertaken for multiple locations across the security element at the or each configuration of the filter system, such that the map is a map of the variation in determined data indicative of an optical property across the security element with respect to the configuration of the filter system, and wherein the reading for multiple locations across the security element is undertaken in a single reading step, using a reader with a two-dimensional sensor.

Classifications:

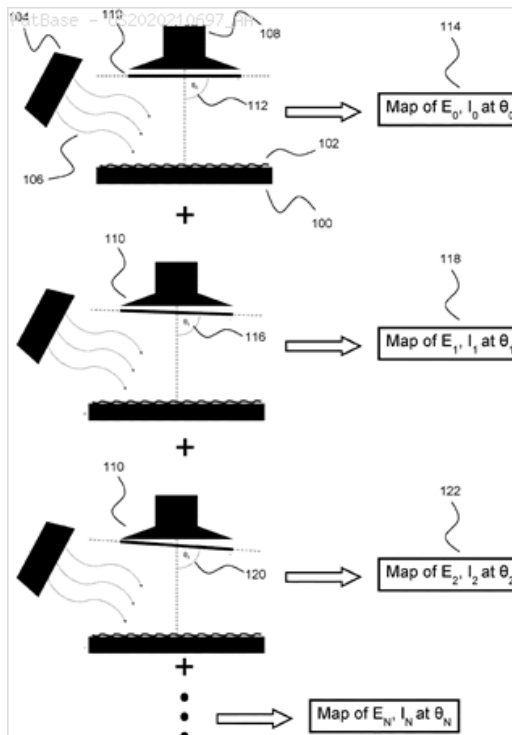
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G06K19/16 G06K9/00 G07D7/12 G09C1/00 G09C5/00

H04L9/32 (Advanced/Invention)

CPC: G06K9/00577 G06K19/06009 G09C1/00 G09C5/00 H04L9/3278

G06K19/0614 G06K19/14 G06K19/16 G02B5/20 G07D7/12



Family:

Publication number	Publication date	Application number	Application date
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EP3596722 A1	20200122	EP20170748876	20170726
GB201704308 A0	20170503	GB20170004308	20170317
GB2548493 A1	20170920	GB20170004308	20170317

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US2020210697 AA	20200702	US20170494801	20170726
WO18167448 A1	20180920	WO2017GB52181	20170726

Priority:

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Probable Assignee: QUANTUM BASE LTD

Assignee(s): (std): QUANTUM BASE LTD

Inventor(s): (std): JONATHAN DAVID ROBERTS ; ROBERT JAMES YOUNG ; ROBERTS JONATHAN DAVID ; YOUNG ROBERT JAMES

Agent(s): APPELYARD LEES IP LLP

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

5) Family number: 43815763 (US2011101088A)

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Title: IDENTIFICATION AND AUTHENTICATION USING LIQUID CRYSTAL MATERIAL MARKINGS

Abstract: The present invention relates to a marking of polymeric liquid crystal material having determined optical characteristics allowing its authentication and reading by a machine and its authentication by the human eye. The marking is applied onto an item, good or article by a variable information printing process. The marking is in the form of indicia representing a unique code which allows for an easy authentication by the human eye and a secure tracking and tracing of the marked item, good or article throughout its life cycle.

Classifications:

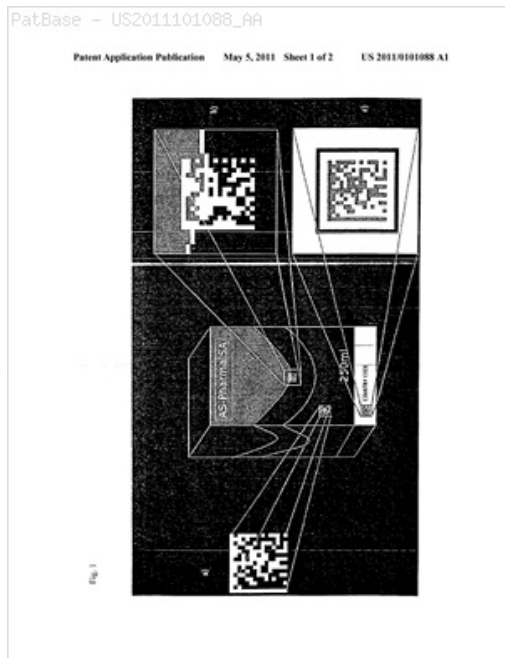
International (IPC 8-9): B41J2/01 B41J2/05 B41J3/01 B41M B41M3/14 B41M5/00 B41M7/00 B42D B42D12/00 B42D15/00 B42D15/08 B42D15/10 B42D25/00 B42D25/29 B42D25/364 B42D25/391 B44F1/00 C09D11/00 C09D11/02 C09K19/38 C09K19/52 C09K19/54 C09K19/58 G02B5/30 G02F1/13 G03G15/01 G03G21/00 G06F17/00 G06K G06K17/00 G06K19/00 G06K19/02 G06K19/06 G06K19/10 G06K7/00 G06K7/10 G06K7/12 G06K9/00 G06K9/18 G06Q G06Q10/00 G06Q10/02 G07D G07D7/12 G07D7/20 G09F3/00 G09F3/02 G6K7/10 (Advanced/Invention); G06Q10/08 G07D7/12 (Advanced/Non-invention); B41M5/00 B41M7/00 B42D15/00 B42D15/10 C09D11/00 C09K19/38 G06K7/10 G06Q10/00 G07D7/00 (Core/Invention); B42D15/00 B44F1/00 G02F1/13 G06K9/00 (Core/Non-invention); B41M B42D G07D (Subclass/Invention)

International (IPC 1-7): B41M5/00 B41M7/00 B42D15/00 B42D15/10 C09K19/38 G06K7/10 G06Q10/00 G07D7/12

CP: B42D25/29 G06K19/0614 C09K19/586 B41M7/0081 B41M7/009 B42D2033/26 B42D2035/34 C09K19/3852 C09K19/3857 C09K19/54 C09K19/588 C09K2019/0448 C09K2219/03 G06K19/06009 G07D7/12 G09F3/0294 G09F3/0297 B42D25/364

European: B41M5/00F B41M7/00 B41M7/00S B41M7/00T B42D15/00C C09K19/38B4B C09K19/38B4B2 C09K19/54 C09K19/58B2 G06K19/06C G07D7/12 G09F3/02D3 G09F3/02F L42D33/26 L42D35/34 M09K19/04D2 M09K219/03

US: 106/31.13 106/31.92 235/375 235/375P 235/487 235/491 235/491S 235/493 235/493S 235/494 235/494S 252/299.01 252/299.5



Family:

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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 CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW