

Search history

Search PN=(WO2016153345) (Results 1)

1:

Search [SP]: field of the invention[0001] the invention relates to a method of forming a security device comprising the steps of: providing a base layer having a top side, providing an image having color image elements onto an image area of the top side, providing a protective layer over the image area and over an image area in a soft or liquid state, imprinting a pattern into the protective layer in the image area while in its soft or liquid state by contacting the protective layer with an imprint member that is provided with the pattern, and hardening of the protective layer by irradiating it with optical radiation. background of the invention[0007] it is known to cover a security card having a passport photograph printed onto its surface by a transparent curable resin that forms a protective layer resisting removal of the photograph. the curable resin may be applied by ink jet printing in the shape of security patterns. these patterns may overlie the photograph. after printing, the resin is cured by irradiation with optical radiation, such as uv light. the known method has as a disadvantage that the printed security pattern is relatively coarse and has dimensions in the range of 1 or more mm. furthermore, the position of a photograph on top of the top side of the security device, forms a stepped surface which may present an access point for tampering or attempted removal of the photograph. finally, providing a resin curable layer over the photograph as a protective layer, requires application of the protective layer immediately following application of the photograph in order to prevent damaging the photograph or unauthorized alteration.[0008] in ep 0 219 012, in particular in relation to fig. 7, a data carrier is described in which on a base layer a colored line image is provided by printing. over the colored line image, a cover layer is applied on top of the base layer, in which cover layer a lenticular array of cylinder lenses is formed. via a laser, a blackened line image is interlaced in the open space between the printed line images, to form a number of distinct "flip" images that can be observed by tilting the data carrier at different angles to the viewer.[0009] it is an object of the present invention to provide a method of forming a security document having improved security features. [0010] it is a further object of the invention to provide a method of forming a security document having a clearly defined color portrait image. [0011] it is another object of the present invention to provide a method of forming a security device with a portrait image below the protective layer situated below the top surface of the card.[0012] it is a further object of the invention to provide a method of forming a security device having general security features, such as an id card, bank card, credit card, driver's license or passport, which allows application of an image and personalization of the device at a location and time remote from the site at which general security features have been applied. summary of the invention[0013] hereto a method according to the invention is characterized in that the pattern comprises an optical structure having dimensions smaller than 100 micro m, wherein the imprint member is transparent and flexible and the protective layer is hardened by the transmission of the optical radiation through the transparent imprint member while it is contacting the protective layer, the imprint member being removed from the protective layer after at least partial hardening of the protective layer, followed by the step of providing a blackened pattern into the base layer by focusing a laser beam via the optical structure and laser engraving image elements into the base layer, in a focal plane that is situated at a vertical distance h of between 50 micro m and 150 micro m from the color image elements.[0014] by maintaining a flexible and transparent imprint member into contact with the soft or liquid protective layer and curing the protective layer by irradiating optical radiation onto the protective layer through the imprint member, the protective layer can be hardened to a sufficient degree such that removal of the flexible imprint member leaves well-defined small-scale structures. this allows an accurately defined lens pattern to be formed with accurately defined dimensions smaller than 100 micro m, in the image area. through the lens pattern, laser engraved security features can be applied in the image area of the base layer, resulting in enhanced security.[0015] because the color image elements are situated outside the focal plane of the lenses, there will be no disturbing "flip" effect when observing the color image at different angles. the blackened pattern that is provided through the lenses by laser engraving can provide a security feature in the image area that is independent from the overlying color elements, such as a number or a symbol or any other suitable pattern. it can also form part of a composite image that is composed of the top color image elements and the lower blackened image elements.[0016] the term "blackened" as used herein is intended to describe a darkening of the plastics material under the influence of heat that is generated in the material by the laser beam, and includes different shades of grey on a grey scale ranging from transparent to black.[0017] the flexible imprint member according to the invention can be applied at a site that is remote from the site at which the security device is provided with general security features, so that a personalization step can be carried out including printing an identity photograph of a holder into the security device or the identity device and applying on top of the image, the imprinted lens system and completing the security device or the identity device by laser engraving in the image area through the imprinted lens system.[0018] it is noted that substrate conformal imprint lithography (scil) is a known technology to provide large area patterning on silicon substrates using a soft composite working stamp carried by a rigid glass carrier. by means of a vacuum between the stamp and the glass carrier, the patterned stamp can be progressively brought into contact with a photo resist layer. after curing of the photo resist layer by impinging light onto it through the transparent stamp, the stamp can be progressively released from the substrate leaving well-defined structures with dimensions of smaller than 100 nm.[0019] in mingato li, et al., fabrication of circular optical structures with a 20 nm minimum size using nano-imprint lithography, applied physics letters, volume 76, number 6 page 673-675, it is described that a parallel plate imprint machine can be used to manufacture fresnel zone plates.[0020] wo 2009/078881 describes an imprint lithography stamp having a regular pattern of sub-features, the stamp being made of silicon or polymeric materials.[0021] however, the use of imprint technology for manufacturing of a lens system overlying color image elements in an image area on a security device, followed by laser engraving in a focal plane that is situated at a vertical distance from the color image elements, is by no means evident from the above disclosures.[0022] in an embodiment of the method according to the invention, the image is provided in the image area via printing of transparent color image elements, such as yellow, magenta and cyan, the optical structure comprising an array of lenticular lenses, wherein the blackened pattern is provided in the base layer by the laser beam through the lenticular lenses and through the transparent color image elements.[0023] via a printing technology, such as ink jet printing, a color portrait is formed by colored patterns, which may be built up from (partly) overlapping picture elements (for instance droplets) of transparent cyan, yellow and magenta ink. via the lenticular lenses that are applied over the color portrait, the laser can cause a blackening of the polymer material in the base layer (such as polycarbonate) through the transparent ink, and in that way form blackened picture elements that complete each matching color picture element.[0024] the printed color image elements preferably have an average transmission of at least 50 percent in the wavelength range between 400 nm and 700 nm. as the ink according to the invention has a transparency of at least 50 percent for visible light, the underlying blackened picture elements are clearly visible through the ink. the printed picture elements are situated at a distance from the focal point of the lenticular lenses, such that the lens system does not affect the viewing of the colored image.[0025] the blackened picture elements may be formed by the laser being focused by the lenticular lenses to radiate through the color image elements and to cause a blackening in the focal point of the lenses in the underlying layer, which may be formed of for instance laser sensitive polycarbonate. preferably the color image elements have a transmission of at least 50 percent, preferably at least 80 percent at the wavelength of the laser beam, so that the inks are not degraded by energy deposition of the laser beam in the inks.[0026] the method according to the invention allows application of a secure color portrait at a location and time of choice, while the portrait is at least partly applied in the polymer material below the top surface of the security device.[0027] preferably, a print controller having a memory being is connected to an image applicator, the image being formed by storing image data in the controller memory and providing an ink layer onto the top layer via the image applicator that (Results 10)

Search 2 and PD<20150325 (Results 7)

3:

1) Family number: 33515042 (US2009214105A)

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Title: IDENTITY DOCUMENT AND METHOD FOR THE MANUFACTURE THEREOF

Abstract: Identity document comprising a data medium with data. These data comprise an image of a face. This image consists of two component images that are observed at different angles. By simultaneously viewing the two images, the person studying

the identity document can obtain further information about the face. This is possible because the two images are applied at a relatively small angle of 5 degrees to 20 degrees.

Classifications:

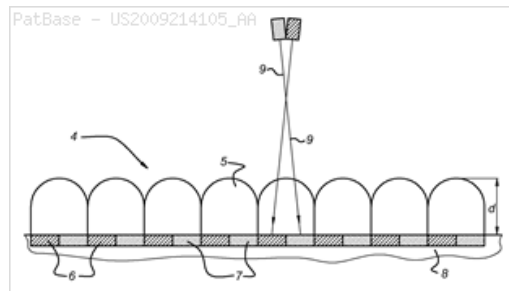
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European: B42D15/10 G07C9/00B6D2 L41M5/24 L41M5/26 L42D31/08 L42D33/24 L42D35/06 L42D35/20

US: 264/1.32 264/1.320S 382/154 382/154P



Family:

Publication number	Publication date	Application number	Application date
AU2006234758 AA	20061019	AU20060234758	20060413
AU2006234758 AB	20071122	AU20060234758	20060413
AU2006234758 BB	20110120	AU20060234758	20060413
CA2604566 AA	20071012	CA20062604566	20060413
CA2604566 C	20131210	CA20062604566	20060413
CN101193759 A	20080604	CN200680018574	20060413
CN101193759 B	20140924	CN200680018574	20060413
CY1115339 T1	20170104	CY20141100411T	20140610
DE602006040620 D1	20140424	DE200660040620T	20060413
DK1874557 T3	20140610	DK20060733064T	20060413
EP1874557 A2	20080109	EP20060733064	20060413
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JP2008536235 A2	20080904	JP20080506392	20060413
JP2008536235 T2	20080904	JP20080506392T	20060413
JP5221339 B2	20130626	JP20080506392T	20060413
KR101334293 B1	20131129	KR20077026521	20060413
KR20080005958 A	20080115	KR20077026521	20060413
ME02129 B	20140829	ME20140000210	20060413
NL1028776 C2	20061020	NL20051028776	20050414
PT1874557 T	20140624	PT20060733064T	20060413
RS53271 B	20140829	RS20140000210	20060413
SI1874557 T1	20140530	SI20060031761T	20060413
UA91850 C2	20100910	UA20070101346	20060413
US2009214105 AA	20090827	US20060918412	20060413
US10029507 BB	20180724	US20060918412	20060413
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WO06110038 A3	20070503	WO2006NL50085	20060413
ZA200709565 A	20081126	ZA20070009565	20071106

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NL20051028776 20050414 EP20060733064 20060413 WO2006NL50085 20060413

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

2) Family number: 2244671 (US4765656A)

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Title: DATA CARRIER HAVING AN OPTICAL AUTHENTICITY FEATURE AND METHODS FOR PRODUCING AND TESTING SAID DATA CARRIER

Abstract: The present invention relates to a data carrier (identification card, bank card, credit card, etc.) in which information is provided in an inner volume area by means of a laser beam, the information being visible in the form of changes in the optical properties of the carrier material due to an irreversible change in the material caused by the laser beam and to a method for producing the data carrier and for testing it.

Classifications:

International (IPC 8-9): B41M5/26 B42D15/02 B42D15/10 B42D25/00 B44F1/12 G02B27/06 G06K19/06 G06K19/08 G06K19/10 G06K19/14 G06K9/74 G07D7/00 G07F7/08 G11B7/007

G11B7/24 (Advanced/Invention);

B41M5/26 B42D15/02 B42D15/10 G02B27/06 G06K19/06 G06K19/08 G06K19/10 G06K9/74 G11B7/007 G11B7/24 (Advanced/Non-invention)

International (IPC 1-7): B06K19/008 B41M5/26 B42D15/00 B42D15/02 B42D15/10 B44F1/12 D21H5/10 G02B27/06 G06K19/00 G06K19/04 G06K19/06 G06K19/08 G06K9/74 G11B7/00 G11B7/007 G11B7/24

CPC: Y10S283/904 B41M5/26 B41M5/267 G07D7/00 G07F7/086

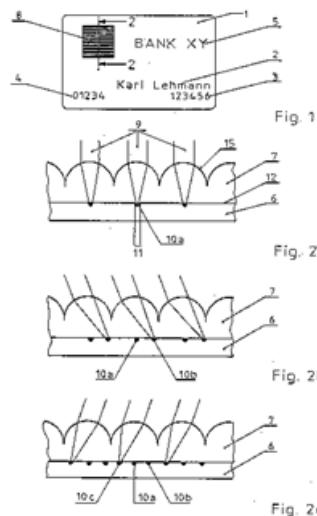
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US: 283/70 283/904 283/91

PatBase - US4765656_A

U.S. Patent Aug. 23, 1988 Sheet 1 of 6 4,765,656

**Family:**

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AT84751 E	19930215	AT19860113691T	19861003
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AU591934 B2	19891221	AU19860063921	19861015
DE3634865 A1	19870611	DE19863634865	19861013
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DK173812 B1	20011112	DK19860004894	19861014
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JP7121627 B4	19951225	JP19860245136	19861015
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ZA8607807 A	19880427	ZA19860007807	19861015

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ALEXANDER HIERWEGER ; ALEXANDER HIERWEGER DIPL ING ; HANS JUERGEN MERKLE CHEMIE ING ; JOSEPH LASS ; HANS JUERGEN MERKLE ; HANS JURGEN MERKLE ; JUERGEN MERKLE ; HIERWEGER DIPL ING ; LASS DIPL PHYS DR ; KAULE DIPL PHYS DR ; HIERWEGER ALEXANDER DIPL ING ; KAULE WITTICH DIPL PHYS DR ; JIYOZEFU RASU ; ERWIN LOB DIPL ING ; DR WITTICH KAULE DIPL PHYS ; DR JOSEPH LASS DIPL PHYS ; ERWIN LOB ; BECKER WOLFGANG DIPL PHYS ; BUIITEITSUHI KAORE ; BUORUFUGANGU BETSUKAA

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Designated states: AT BE CH DE ES FR GB IT LI LU NL SE

3) Family number: 53121791 (US2014376091A)

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Title: OPTIONALLY TRANSFERABLE OPTICAL SYSTEM WITH A REDUCED THICKNESS

Abstract: An optionally transferable optical system with a reduced thickness is provided. The inventive optical system is basically made up of a synthetic image presentation system in which one or more arrangements of structured image icons are substantially in contact with, but not completely embedded within, one or more arrangements of focusing elements. The focusing element and image icon arrangements cooperate to form at least one synthetic image. By way of the subject invention, the requirement for an optical spacer to provide the necessary focal distance between the focusing elements and their associated image icon(s) is removed. As a result, overall system thicknesses are reduced, suitability as a surface-applied authentication system is enabled, and tamper resistance is improved.

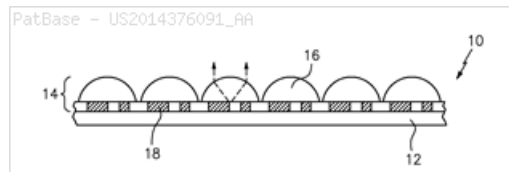
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International (IPC 1-7): B29D11/00 G02B27/22 G03B35/24

CPC: B29D11/00278 G02B3/0006 G02B3/0031 G02B5/09 G02B27/4205 G02B27/2214 B42D25/324

US: 264/2.5 359/567 359/619 359/626 359/627 427/162



Family:

Publication number	Publication date	Application number	Application date
AU2012299113 AA	20130228	AU20120299113	20120817
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CA2845610 AA	20140214	CA20122845610	20120817
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CN104024921 B	20180921	CN201280050631	20120817
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EP2745165 B1	20171011	EP20120768923	20120817
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RU2014108957 A	20150927	RU20140108957	20120817
RU2641316 C2	20180117	RU20140108957	20120817
RU2641316 C9	20190321	RU20140108957	20120817
US2014376091 AA	20141225	US20120239314	20120817
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Priority:

US20110525239P 20110819 EP20120768923 20120817 WO2012US51394 20120817
US20120239314 20120817

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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 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: METHOD AND APPARATUS FOR MANUFACTURING A SECURITY DOCUMENT COMPRISING A LENTICULAR ARRAY AND BLURRED PIXEL TRACKS

Abstract: A method of manufacturing a display device, in particular a security document, includes providing m images of an object, wherein m is at least equal to 2, dividing each image into n sets adjacent arrays (l1,1, l1,2... l1,n),..., (lm1, lm2,... lm,n) of picture elements, spaced at a mutual distance delta, applying the images in an interlaced manner on an image layer in sets of interlaced arrays (l11, l21... lm1),..., (l1n, l2n... lmn) below a lens structure having line-shaped lens elements over the image layer with one line shaped lens element overlying a corresponding set of adjacent arrays, wherein upon applying the arrays onto the image layer, and/or upon providing the lens elements, each array of picture elements is provided onto the image layer in an out of focus manner to form a blurred array or each array is imaged by the lens elements to form a blurred array, wherein a mutual distance of the edges of adjacent blurred arrays is smaller than the mutual distance delta.

Classifications:

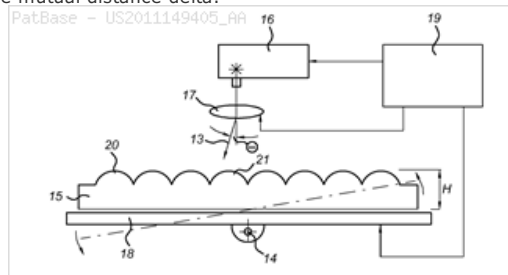
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International (IPC 1-7): B42D15/10 G02B27/06 G02B27/22 G02B3/00 G02B35/24 G03B35/24

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Family:

Publication number	Publication date	Application number	Application date
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AU2010330932 BB	20141127	AU20100330932	20101215
AU2010330932 CA	20161222	AU20100330932	20101215
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IL220470 A1	20151130	IL20100220470	20101215
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MA33928 B1	20130102	MA20120035071	20120716
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TH121633 A	20130228	TH20121002895	20101215
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Priority:

US20090641671 20091218 WO2010NL50850 20101215 US20100516700 20101215
CL20120001645 20120618

Probable Assignee: SAGEM IDENTIFICATION BV

Assignee(s): (std): MORPHO B V ; MORPHO BV ; SAGEM IDENTIFICATION BV ; VAN DEN BERG JAN ; SAGEM IDENTIFICATION BV ; SAGEM IDENTIFICATION BV ; SAGEM IDENTIFICATION B V ; BERG JAN VAN DEN

Assignee(s): JAN VAN DEN BERG

Inventor(s): (std): VAN DEN BERG JAN ; BERG JAN VAN DEN ; JAN DEN BERG VAN ; JAN VAN DEN BERG

Agent(s): GRIFFITH HACK; SPRUSON AND FERGUSON; FISHER ADAMS KELLY CALLINANS; PHILLIPS ORMONDE FITZPATRICK; RIDOUT AND MAYBEE LLP; ESTUDIO CLARKE; SILVANA MARIA LOPEZ DIAZ; KETELAARS

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

5) Family number: 33812820 (US2006261518A)

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Title: USE OF STEP AND FLASH IMPRINT LITHOGRAPHY FOR DIRECT IMPRINTING OF DIELECTRIC MATERIALS FOR DUAL DAMASCENE PROCESSING

Abstract: In some embodiments, the present invention is directed to methods that involve the combination of step-and-flash imprint lithography (SFIL) with a multi-tier template to simultaneously pattern multiple levels of, for example, an integrated circuit device. In such embodiments, the imprinted material generally does not serve or act as a simple etch mask or photoresist, but rather serves as the insulation between levels and lines, i.e., as a functional dielectric material. After imprinting and a multiple step curing process, the imprinted pattern is filled with metal, as in dual damascene processing. Typically, the two printed levels will comprise a "via level," which is used to make electrical contact with the previously patterned under-level, and a "wiring level." The present invention provides for the direct patterning of functional materials, which represents a significant departure from the traditional approach to microelectronics manufacturing.

Classifications:

International (IPC 8-9): B28B11/08 B29C35/08 B29C59/02

H01L21/302 (Advanced/Invention);

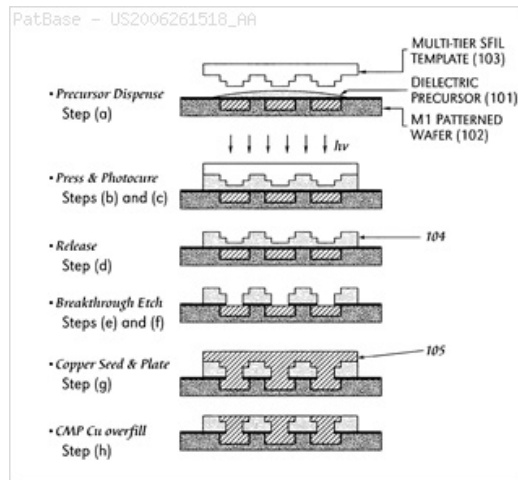
B28B11/08 B29C35/08 B29C59/02 (Core/Invention)

CPC: H01L21/76817 B82Y10/00 B82Y40/00 G03F7/0002 H01L21/76807 H01L21/76828

European: B82Y10/00 B82Y40/00 G03F7/00A H01L21/768B2D

H01L21/768B2N H01L21/768B8T

US: 216/13 216/18 216/41 216/44 216/52 216/88 257/E21.579 257/E21.579S 264/293 264/293P 264/496 264/496S 438/638 438/692 438/700



Family:

Publication number	Publication date	Application number	Application date
US2006261518 AA	20061123	US20060363071	20060227
US7691275 BB	20100406	US20060363071	20060227

Priority:

US20050657145P 20050228 US20060363071 20060227

Probable Assignee: BOARD OF REGENTS UNIV OF TEXAS SYSTEM

Assignee(s): (std): UNIV TEXAS

Assignee(s): BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM ; BOARD OF REGENTS UNIV ; BOARD OF REGENTS UNIV OF TEXAS SYSTEM ; BOARD OF REGENTS UNIV TEXAS SYSTEM

Inventor(s): (std): JOHNSON STEPHEN C ; NISHIMURA YUKIO ; PALMIERI FRANK ; STEWART MICHAEL D ; WILLSON C G ; WILLSON C GRANT

Inventor(s): WILLSON C ; STEWART MICHAEL ; JOHNSON STEPHEN

Agent(s): WINSTEAD SECHREST AND MINICK PC; FISH AND RICHARDSON PC

6) Family number: 43426881 (US2010264560A)

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Title: IMPRINT LITHOGRAPHY APPARATUS AND METHOD

Abstract: An imprint lithography stamp (101, 201, 401, 501, 617) includes a base layer (301, 619); a functional layer (303, 621) of lithography features (307, 309, 403, 405, 503, 505) protruding from the base layer (301, 619); and a support layer (305, 623) comprising a regular pattern of sub-features (311, 313, 407, 409, 507, 509, 613, 615, 625) protruding from the lithography features (307, 309, 403, 405, 503, 505). An imprint lithography system (100, 200, 300) includes a substrate (104, 205, 513, 601) having a layer of resin material (511) deposited thereon; a stamp (101, 201, 401, 501, 617) having a base layer (301, 619), a functional layer (303, 621) of lithography features (307, 309, 403, 405, 503, 505) protruding from the base layer (301, 619) and a support layer (305, 623) comprising a regular pattern of sub-features (311, 313, 407, 409, 507, 509, 613, 615, 625) protruding from the lithography features (307, 309, 403, 405, 503, 505); and an imprinting device configured to press the stamp (101, 201, 401, 501, 617) into the resin material (511).

Classifications:

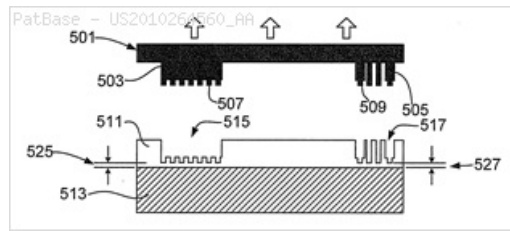
International (IPC 8-9): B28B11/08 B29C33/42 B29C43/02 B29C59/02

B81C5/00 H01L21/027 (Advanced/Invention)

CPC: G03F7/0002 B82Y10/00 B82Y40/00

European: B82Y10/00 B82Y40/00 G03F7/00A

US: 264/220 264/220P 425/385 425/385S



Family:

Publication number	Publication date	Application number	Application date
TW200936363 A	20090901	TW20080147993	20081210
US2010264560 AA	20101021	US20070746738	20071219
WO09078881 A1	20090625	WO2007US88250	20071219

Priority:

US20070746738 20071219 WO2007US88250 20071219

Probable Assignee: HEWLETT PACKARD DEVELOPMENT CO LP

Assignee(s): (std): HEWLETT PACKARD DEVELOPMENT CO ; ZHANG ZHUQING

Assignee(s): HEWLETT PACKARD DEVELOPMENT CO LP ; HEWLETT PACKARD DEVELOPMENT COMPANY L P

Inventor(s): (std): ZHANG ZHU QING ; ZHANG ZHUQING

Agent(s): HEWLETT-PACKARD COMPANY,INTELLECTUAL PROPERTY ADMINISTRATION; HEWLETT PACKARD CO INTELLECTUAL PROPERTY ADMINISTRATION; DANG THI ET AL

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 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

7) Family number: 49706890 (US2013021339A)

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Title: METHOD FOR PRODUCING A THREE-DIMENSIONAL IMAGE ON THE BASIS OF CALCULATED IMAGE ROTATIONS

Abstract: Method for producing a three-dimensional image of an object, includes: providing a first image of an object, supplying image values associated with image elements of the first image to a processing device, calculating at least one image constructed from image elements and rotated around a rotation point through a rotation angle, dividing the rotated image into image lines, forming groups of corresponding image lines for at least two images, including the at least one rotated image, supplying the image values associated with image elements located along the image lines for the groups of corresponding image lines to an imaging device, and applying, with the imaging device, imaging intensities and/or colours corresponding to the image values onto a substrate under a pattern of linear lenses, so that the image intensities and/or colours of each group of corresponding image lines are applied under a linear lens associated with the group.

Classifications:

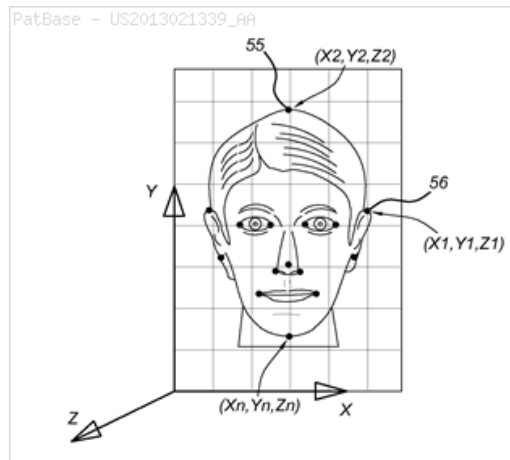
International (ipc 8-9): B41M3/06 B41M3/14 B42D15/00 G02B27/22 G06K19/16 G06T15/00 G06T15/08 G06T17/00 (Advanced/Invention); B41M3/00 B42D15/00 G02B27/00 G06T17/00 (Core/Invention)

International (ipc 1-7): H04N1/00

CPC: G02B27/2214 B41M3/06 B41M3/14 B42D2035/06 B42D2035/20 B42D2035/44 B44F7/00 B42D25/41 B42D25/00

European: B41M3/06 B41M3/14 B42D15/10 B44F7/00 G02B27/22L L42D31/08 L42D35/06 L42D35/20 L42D35/44

US: 345/419



Family:

Publication number	Publication date	Application number	Application date
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SI2553517 T1	20190228	SI20110031633T	20110329
TW201145211 A	20111216	TW20110111074	20110330
TWI567689 B	20170121	TW20110111074	20110330

US2013021339 AA	20130124	US20110637498	20110329
WO11122943 A1	20111006	WO2011NL50210	20110329

Priority:

NL20102004481 20100331 EP20110712057 20110329 WO2011NL50210 20110329

Probable Assignee: MORPHO BV

Assignee(s): (std): MORPHO BV ; PLATVOET RADBOUD KWEKU MENSAH ; SAGEM IDENTIFICATION B V ; VAN DEN BERG JAN ; SAGEM IDENTIFICATION BV ; MORPHO B V

Inventor(s): (std): PLATVOLET RADBOUD KWEKU MENSAH ; VAN DEN BERG JAN ; PLATVOET RADBOUD KWEKU MENSAH ; BERG JAN

Agent(s): KETELAARS MAARTEN FJM; NEDERLANDSCH OCTROOIBUREAU; VAN WESTENBRUGGE ANDRE

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

Search history

Search FT=((layer or wrap) and laser and optical* and image and security and (focal plane) and (len*) and print and ink) and color and
1: PD<20150325 (Results 115)

1) Family number: 31970128 (US2005180020A)

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Title: MICRO-OPTIC SECURITY AND IMAGE PRESENTATION SYSTEM

Abstract: A film material utilizing a regular two-dimensional array of non-cylindrical lenses to enlarge micro-images, called icons, to form a synthetically magnified image through the united performance of a multiplicity of individual lens/icon image systems. The synthetic magnification micro-optic system includes one or more optical spacers (5), a micro-image formed of a periodic planar array of a plurality of image icons (4) having an axis of symmetry about at least one of its planar axes and positioned on or next to the optical spacer (5), and a periodic planar array of image icon focusing elements (1) having an axis of symmetry about at least one of its planar axes, the axis of symmetry being the same planar axis as that of the micro-image planar array (4). A number of distinctive visual effects, such as three-dimensional and motion effects, can be provided by the present system.

Classifications:

International (ipc 8-9): A61B1/00 B23P11/00 B32B3/30 B32B7/06 B41M3/14 B42D B42D15/00 B42D15/10 B42D25/00 B42D25/20 B42D25/29 B42D25/30 B42D25/324 B42D25/328 B42D25/342 B42D25/355 B42D25/36 B42D25/40 B42D25/41 B42D25/425 B42D25/43 B42D25/44 B42D25/45 B44F1/04 B44F1/06 B44F1/10 B44F1/12 B44F7/00 D21C9/10 D21H21/40 D21H21/42 D21H21/44 G01B G01B15/02 G01N G01N23/02 G01N23/06 G02B G02B13/18 G02B27/00 G02B27/02 G02B27/06 G02B27/08 G02B27/10 G02B27/12 G02B27/14 G02B27/22 G02B3/00 G02B3/02 G02B3/04 G02B3/10 G02B5/08 G02B5/12 G02B5/18 G03H G03H1/00 G03H1/02 G06K9/18 G07D7/12 G09F3/03 G42D15/10 (Advanced/Invention); D21H21/44 G03H1/00 (Advanced/Non-invention);

A61B1/00 B41M3/14 B42D15/00 B42D15/10 D21C9/10 G01B15/00 G02B1/00 G02B13/00 G02B27/00 G02B27/02 G02B27/10 G02B27/22 G02B3/00 G02B5/00 G02B5/18 G03H1/00 G06K9/18 G07D7/12 (Core/Invention); A61B B42D G01B G01N G02B G03H G06K (Subclass/Invention)

International (ipc 1-7): A61B1/00 G01B15/02 G02B0/00 G02B13/18 G02B27/10

CPC: B42D25/00 B42D25/342 B42D25/382 B42D25/387 B44F1/06 G02B3/0043 G02B27/06 G02B3/0068 G02B27/123 G09F3/0376 D21H21/40 G02B3/0075 G03H1/0256 G03H2223/19 B42D15/0013 B42D2035/28 B42D15/0026 B42D15/0073 D21H21/44 G02B3/0031 Y10T29/49826 B42D25/23 B42D25/41 B42D25/21 B42D25/324 B42D25/29 B42D25/328 B42D25/355 B42D25/391 B42D25/425 B42D25/43 G02B27/2214 G03H1/0244 B44F1/10 B44F7/00 G02B3/0056 B42D2033/24 B42D2035/08 B42D2035/20 B42D2035/44 B42D2033/10 B42D2033/16 B42D2033/18 B42D2033/20 B42D2035/26 B42D2035/36 G02B5/1842 G02B27/1006 B41M3/148

European: B42D15/00C B42D15/00C2 B42D15/00C4 B42D15/10 B44F1/06 B44F1/10 B44F7/00 D21H21/40 G02B27/06 G02B27/12L G02B27/22L G02B3/00A1R G02B3/00A3I G02B3/00A3S G02B3/00A3Z1 G02B3/00A5 G09F3/03B L42D33/24 L42D35/08 L42D35/20 L42D35/28 L42D35/44 N21H21/44 S02B27/22L S02B3/00A3S S03H1/02L5 S03H223/19

US: 156/344 156/711 156/711S 156/712 156/712S 283/109 283/109P 283/72 283/72P 283/72S 29/428 29/428P 359/618 359/619 359/619P 359/619S 359/622 359/622P 359/622S 359/626 359/626P 359/626S 359/627 359/627S

Family:

Publication number	Publication date	Application number	Application date
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EP2335943 A2	20110622	EP20110000713	20041122
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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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

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Title: METHODS AND SYSTEMS FOR CONTENT PROCESSING

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

Classifications:

International (IPC 8-9): A63F13/00 A63F13/12 A63F13/26
G06F13/00 G06F15/16 G06F17/00 G06F17/30 G06F21/24 G06F3/00
G06F3/01 G06F3/042 G06F3/048 G06F3/0482 G06F3/0484 G06F9/44
G06F9/445 G06K7/10 G06K7/12 G06K7/14 G06K9/00 G06K9/20
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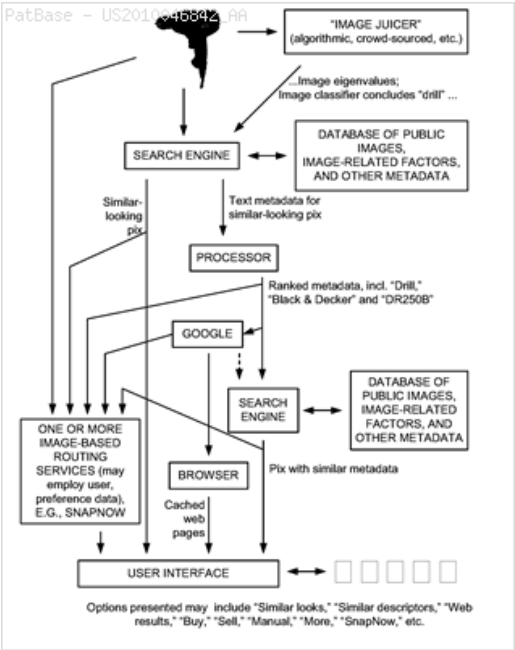
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: DIGIMARC CORP

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

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Inventor(s): LORD JOHN DOUGLAS WEST LINN ; LORD JOHN ; RHOADS GEOFFREY ; RODRIGUEZ TONY ; MACINTOSH BRIAN

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; BOEHMERT AND BOEHMERT ANWALTSPARTNERSCHAFT MBB
PATENTANWAELTE RECHTSANWAELTE; HOARTON LLOYD DOUGLAS CHARLES; DIGIMARC CORP;
CONWELL WILLIAM Y; MEYER JOEL R

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 SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TH TJ TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 15274691 (US2003090538A)

Title: PRINthead SUPPORT ASSEMBLY

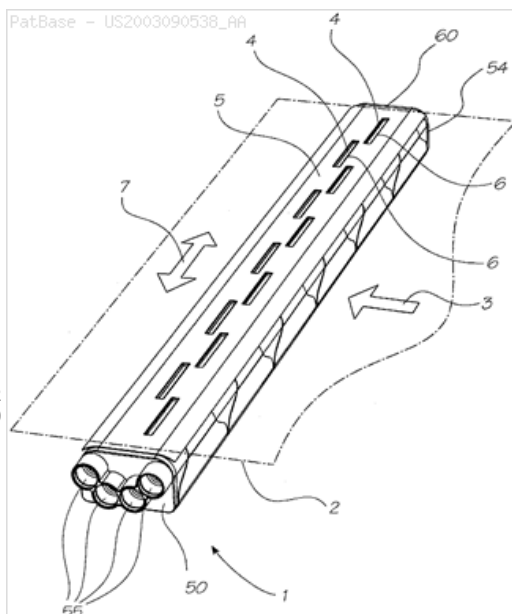
Abstract: An inkjet printhead assembly includes a hollow elongate member defining ink supply channels. The ink supply channels are in fluid communication with an elongate slot in and extending at least partly along the elongate member. A plurality of printhead segment carriers is received and secured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

Classifications:

International (IPC 1-9): A63F13/30 A63F9/18 B41J31/08 B41J11/00 B41J13/10 B41J2/01 B41J2/045 B41J2/14 B41J2/155 B41J2/165 B41J2/175 B41J2/21 B41J2/475 B41J21/00 B41J21/16 B41J29/00 B41J29/02 B41J29/13 B41J29/38 B41J29/40 B41J3/00 B41J3/01 B41J3/36 B41J3/407 B41J3/42 B41J3/44 B41J5/30 B41L27/10 B41L43/12 B42C1/12 B42C19/02 B42C9/00 B42D15/00 B42D15/02 B42D15/10 B43K1/00 B43K17/00 B43K23/008 B43K24/10 B43K27/00 B43K29/00 B43K29/08 B43K29/093 B43K5/18 B43K8/00 B43K8/22 B65H29/34 B65H37/02 B65H37/04 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G03B15/00 G03B17/00 G03B17/50 G03B19/02 G03B27/00 G03B29/00 G03G15/36 G05B15/00 G06F13/00 G06F15/00 G06F15/02 G06F15/16 G06F17/00 G06F17/21 G06F17/22 G06F17/30 G06F17/40 G06F17/50 G06F19/00 G06F21/20 G06F3/00 G06F3/01 G06F3/023 G06F3/03 G06F3/033 G06F3/0354 G06F3/038 G06F3/041 G06F3/042 G06F3/048 G06F3/0488 G06F3/05 G06F3/06 G06F3/08 G06F3/12 G06F7/00 G06F7/02 G06F7/04 G06F7/08 G06K1/00 G06K1/20 G06K11/00 G06K11/06 G06K11/18 G06K15/00 G06K15/02 G06K17/00 G06K19/00 G06K19/06 G06K19/08 G06K19/10 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/46 G06K9/54 G06K9/60 G06K9/62 G06K9/78 G06Q10/00 G06Q10/02 G06Q10/08 G06Q10/10 G06Q20/00 G06Q20/04 G06Q20/10 G06Q20/14 G06Q20/20 G06Q20/36 G06Q20/38 G06Q20/40 G06Q30/00 G06Q30/02 G06Q30/04 G06Q30/06 G06Q40/00 G06Q50/18 G06Q99/00 G06T1/00 G06T11/60 G06T11/80 G07C11/00 G08C17/00 G08C19/00 G08C21/00 G08G1/00 G09B29/00 G09B29/02 G09B7/00 G09C3/00 G09F19/00 G09G5/00 G09G5/08 G10K15/02 G10L13/00 G10L19/00 H04B1/034 H04B1/38 H04B7/00 H04B7/26 H04K1/00 H04L12/16 H04L12/24 H04L12/58 H04L29/06 H04L29/08 H04L9/00 H04L9/10 H04L9/32 H04M1/00 H04M1/247 H04M1/2745 H04M1/2755 H04M1/725 H04M11/00 H04M3/00 H04M3/42 H04M3/56 H04N1/00 H04N1/024 H04N1/04 H04N1/047 H04N1/107 H04N1/23 H04N1/32 H04N1/317 H04N1/387 H04N1/40 H04N1/46 H04N1/60 H04N19/60 H04N19/61 H04N3/15 H04N5/217 H04N5/222 H04N5/225 H04N5/76 H04N5/91 H04N7/15 H04N7/26 H04Q11/00 H04Q7/32 H04Q7/38 H04Q9/00 (Advanced/Invention); A63F3/04 A63F9/24 G06F15/16 G06F3/12 G06K9/20 G06K9/22 H04M1/00 H04M1/66 H04M1/68 H04M1/725 H04M3/16 H04N1/107 H04N1/32 H04N101/00 (Advanced/Non-invention); B41J1/00 B41J2/01 B41J2/045 B41J2/14 B41J2/145 B41J2/175 B41J3/00 B42D15/00 G06F15/00 G06F15/02 G06F17/30 G06F17/40 G06F17/50 G06F3/03 G06F3/033 G06F3/041 G06F3/048 G06F3/12 G06K11/00 G06K15/02 G06K19/06 G06K7/00 G06K7/10 G06K9/00 G06K9/18 G06K9/46 G06K9/54 G06Q30/00 G06Q40/00 G06Q50/00 G06Q99/00 G08C21/00 H04M1/00 H04N1/024 H04N1/40 H04N1/60 H04N3/15 H04N5/217 H04Q7/38 (Core/Invention); B41J G06F G06K (Subclass/Invention)

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T04N21/478 T04N5/33 T04N5/765 T04N5/783 T04N5/907 T04W4/18 **US:** 1/1 1/P 178/18.01 178/18.03 178/18.09 178/19.01 178/19.04 178/19.05 178/20.01 235/375 235/381 235/435 235/435P 235/439 235/454 235/462.01 235/462.03 235/462.04 235/462.38 235/462.43 235/462.44 235/462.440P 235/462.45 235/462.46 235/472.01 235/472.02 235/494 235/494P 250/566 250/566P 283/74 283/85 29/890.1 29/890.100P 341/13 345/156 345/156P 345/158 345/173 345/176 345/179 345/179P 345/180 345/9 345/9P 346/140.01 346/140.1 347/13 347/19 347/19P 347/2 347/2P 347/40P 347/40P 347/42 347/42P 347/45 347/45P 347/49 347/49P 347/49S 347/5 347/58 347/65 347/65P 347/85 348/E03.021 348/E3.021 348/E30.21 348/E30.21S 358/1.1 358/1.12 358/1.12S 358/1.120S 358/1.13 358/1.14 358/1.140P 358/1.15 358/1.150P 358/1.16 358/1.18 358/1.180P 358/1.180S 358/1.8 358/1.9 358/1.900P 358/11.8 358/3.28 358/3.280P 358/32.8 358/402 358/403 358/440 358/442 358/442S 358/453 358/462 358/473 358/474 358/474S 358/539 358/539P 379/100.07 380/259 380/259S 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Probable Assignee: SILVERBROOK RESEARCH PTY LTD

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LIMITED ; MPOWA PTY LTD ; LIVESCRIBE INC ; MEMJET TECHNOLOGY LTD ; MEMJET TECHNOLOGY LTD8 FITZWILLIAM SQUAREDUBLIN 2DUBLINIE ; OPUS BANK ; PAUL LAPSTUN ; KIA SILVERBROOK AND TOBIN ALLEN KING ; KING TOBIN ; KING TOBIN A ; SILVERBROK RESEARCH PTY LTD

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

4) Family number: 42907108 (US2009032600A)

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Title: HANDHELD SCANNER FOR CODED SURFACES

Abstract: A swipe scanner for scanning a graphic image printed on a surface. The surface has a position-coding pattern imposed with the graphic image. The swipe scanner comprises: (a) a first image sensor positioned for imaging portions of the surface during a swipe of the surface, each imaged portion containing part of the position-coding pattern; (b) a second image sensor for capturing, during the swipe, portions of the graphic image; and (c) a processor. The processor is configured for: determining absolute positions of the swipe scanner using the parts of the position-coding pattern; and (d) using the absolute positions to assemble the captured portions of the graphic image into a scanned graphic image.

Classifications:

International (IPC 8-9): B41J29/00 B41J3/36 B42D15/00 G06F11/00 G06F11/07 G06F13/10 G06F15/00 G06F15/16 G06F19/00 G06F3/00 G06F3/033 G06F3/06 G06F3/09 G06F3/12 G06F9/44 G06K1/00 G06K15/00 G06K15/02 G06K15/10 G06K17/00 G06K19/00 G06K19/05 G06K19/06 G06K7/00 G06K7/10 G06K9/00 G06K9/20 G06K9/24 G06K9/78 G09G5/00 G09G5/08 H01L27/14 H01L27/146 H01L31/0232 H01L31/12 H03M13/15 H04N1/024 H04N1/034 H04N1/04 H04N1/10 H04N1/21 H04N1/23 H04N1/40 H04N1/64 (Advanced/Invention); G06F15/16 G06F3/00 G06F3/12 G06K1/00 G06K15/00 G06K7/00 G06K7/10 G06K9/00 G06K9/24 H01L27/146 H01L31/0232 H01L31/12 (Advanced/Non-invention); B41J29/00 G06F11/07 G06F15/16 G06F19/00 G06F3/12 G06K1/00 G06K15/00 G06K15/02 G06K19/06 G06K7/00 G06K7/10 G06K9/00 G06K9/20 G06K9/22 G06K9/78 G09G5/00 G09G5/08 H01L27/146 H01L31/0232 H01L31/12 H03M13/15 H04N1/024 H04N1/04 H04N1/10 H04N1/23 H04N1/40 (Core/Invention); G06F13/10 G06K7/10 H04N1/024 (Core/Non-invention)

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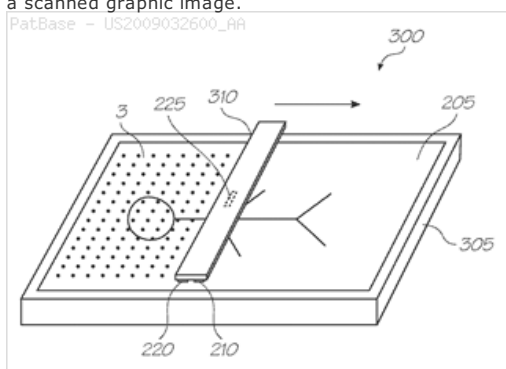
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US: 235/379 235/383 235/435 235/454 235/454P 235/456 235/459 235/460 235/472.01 235/472.02 235/472.02P 235/487 235/494 235/494P 250/221 250/226 250/226P 250/227.2 250/227.200P 250/461.1 257/E31.127 257/E31.127S 283/72 345/156 345/156S 345/157 345/157P 345/179 347/109 347/19 347/19P 358/1.15 358/1.150P 358/1.16 358/1.18 358/1.180P 358/1.4 358/1.8 358/1.800P 358/1.800S 358/296 358/296P 358/3.28 358/3.280P 358/3.29 358/3.290S 358/462 358/462P 358/471 358/473 358/473P 358/473S 358/474 358/497 358/497S 382/100 382/100P 382/115 382/284 382/312 382/321 382/321P 382/321S 702/19 702/19P 714/774 714/784 714/784P 714/E11.023 714/E11.023S 715/744

Family:

Publication number	Publication date	Application number	Application date
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Assignee(s): (std): HOLLINS MICHAEL ; LAPSTUN PAUL ; NEWMAN ANDREW TIMOTHY ROBERT ; SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

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Agent(s): SILVERBROOK RESEARCH PTY LTD; KEANE PAUL FACHTNA; HENRY GOH S PTE LTD

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 NP PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 42004903 (US2008194928A)

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Title: SYSTEM, DEVICE, AND METHOD FOR DERMAL IMAGING

Abstract: In embodiments of the present invention, systems and methods of a non-invasive imaging device may comprise an illumination source comprising an incident light source to direct light upon skin, and a detector for detecting the degree of polarization of light reflected from the skin. A system and method of determining a skin state may be based on an aspect of the polarization of the reflected light.

Classifications:

International (IPC 8-9): A61B A61B5/00 A61B5/053 A61B5/103 A61B5/107 A61B6/00 G01J G01J3/42 G01J3/443 G01J3/50 G01J4/00 G01N21/00 G01N21/21 G01N21/25 G01N21/47 G01N21/55 G01N33/02 G01N33/18 G06F17/00 G06F19/00 G06F9/44 G06K9/00 G06K9/46 G06K9/52 G06K9/62 G06Q30/06 G06T1/00 G06T7/00 G06T7/40 G06T7/90 G16H50/20 (Advanced/Invention); A45D44/00 G01J3/50 G01N21/21 G01N21/25 G06F17/00 G06F19/00 G06F9/44 G06K9/46 G06T1/00 G16H15/00 G16H50/70 H04W4/06 (Advanced/Non-invention); A61B5/00 A61B5/107 A61B6/00 G01J4/00 G06F9/44 G06K9/00 G06K9/46 G06T1/00 (Core/Invention); A61B G01J (Subclass/Invention)

International (IPC 1-7): A61B5/00

CPC: G01N33/02 G06Q30/0601 G01N21/21 G01N21/251 G01N21/4738 G01N21/4788 G01N21/55 G01N21/94 G01N2021/1782 G01N2201/0221 G01N2201/0634 A61B5/0077 G06T7/0012 G06K9/00885 G06K9/4652 G06K9/6285 G06K9/52 A45D44/00

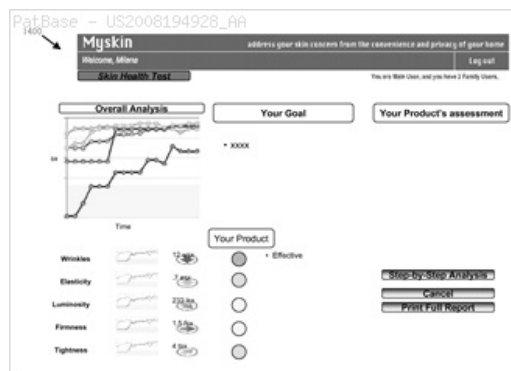
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS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

6) Family number: 32752288 (US2004240712A)

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Title: MULTISPECTRAL BIOMETRIC SENSOR

Abstract: Methods and systems are provided for biometric sensing. An illumination subsystem provides light at discrete wavelengths to a skin site of an individual. A detection subsystem receives light scattered from the skin site. A computational unit is interfaced with the detection system. The computational unit has instructions for deriving a spatially distributed multispectral image from the received light at the discrete wavelengths. The computational unit also has instructions for comparing the derived multispectral image with a database of multispectral images to identify the individual.

Classifications:

International (IPC 8-9): A45C11/32 A61B5/00 A61B5/117 A61B5/1171 A61B5/145 A61B5/1455 B60K28/06 B60R25/00 B65D90/06 G01B11/24 G01N21/25 G01N21/27 G01N21/31 G01N21/49 G01N31/00 G01N33/48 G01N33/483 G05B G05B19/00 G05B23/00 G06F G06F7/00 G06F7/04 G06K G06K5/00 G06K7/10 G06K7/12 G06K9/00 G06K9/20 G06K9/36 G06K9/46 G06K9/60 G06K9/62 G06K9/74 G06K9/78 G06T G06T1/00 G06T7/00 G06T7/40 G08B G08B29/00 G08C G08C19/00 H01L27/14 H01L27/146 H01L31/0232 H04B H04B1/00 H04B3/00 H04M H04M3/00 H04N5/225 H04N5/335 H04N7/18 H04Q H04Q1/00 H04Q9/00 H04W88/02 (Advanced/Invention);

A61B5/117 G05B19/00 G05B23/00 G06F7/00 G06F7/04 G06K5/00 G06K9/00 G06K9/46 G06K9/74 G06T1/00 G06T7/00

G08B29/00 H04N5/335 (Advanced/Non-invention);

A61B5/117 A61B5/145 G01B11/24 G01N21/25 G06K9/00 G06K9/20 G06K9/46 G06K9/74 G06K9/78 G06T1/00 G06T7/00

G06T7/40 H01L27/146 H04N5/335 H04N7/18 (Core/Invention);

G06K G06T H04N (Subclass/Invention)

International (IPC 1-7): A61B5/00 A61B5/117 A61B5/145 G01N21/31 G01N21/49 G01N33/483 G05B19/00 G05B23/00 G06F7/04 G06K1/00 G06K9/00 G06K9/36 G06K9/46 G06K9/78 G06T1/00 H04B1/00 H04B3/00 H04Q1/00

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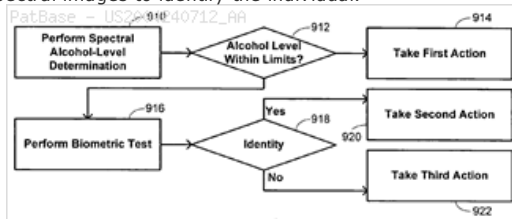
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Family:

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Priority:

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Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): DENOON ALEXANDER JAMES TOD ; HALL LACHLAN EVERETT ; HENDERSON PETER CHARLES BOYD ; LAPSTUN JACQUELINE ANNE ; LAPSTUN PAUL ; MOINI ALIREZA ; SILVERBROOK KIA ; SCOTT PAUL QUENTIN ; PAPADAKIS ALEXANDRA ARTEMIS ; RIDLEY DAMON DONALD ; STARLING SCOTT MATTHEW ; VONWILLER SIMONE CHARLOTTE ; RUSMAN JAN ; UNDERWOOD MATTHEW JOHN ; RIDLEY NICHOLAS DAMON ; SILVERBROOK RES PTY LTD ; YOURLO ZHENYA ALEXANDER

Assignee(s): BASF SE ; SILVERBROOK RESEARCH PTY LTD ; SILVERBROOK RESEARCH PTY LIMITED ; SILBERBROOK RESEARCH PTY LTD ; SILVERBROOK RESEARCH PTY LTD

Inventor(s): (std): DENOON ALEXANDER JAMES TOD ; HALL LACHLAN EVERETT ; HENDERSON PETER CHARLES BOYD ; LAPSTUN JACQUELINE ANNE ; LAPSTUN PAUL ; MOINI ALIREZA ; PAPADAKIS ALEXANDRA ARTEMIS ; RIDLEY DAMON DONALD ; RUSMAN JAN ; SCOTT PAUL QUENTIN ; SILVERBROOK KIA ; STARLING SCOTT MATTHEW ; UNDERWOOD MATTHEW JOHN ; VONWILLER SIMONE CHARLOTTE

Agent(s): SILVERBROOK RESEARCH PTY LTD

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 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 NA NE NI NL NO NZ OM

8) Family number: 44977391 (US2013038942A)

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Title: MOIRE MAGNIFICATION DEVICE

Abstract: A moire magnification device includes a transparent substrate carrying: a regular array of micro-focusing elements, that define a focal plane, on a first surface; a corresponding first array of microimage elements in a first colour located in a plane substantially coincident with the focal plane; and a corresponding second array of microimage elements, in a second colour, located in a plane substantially coincident with the focal plane. The pitches of the micro-focusing elements and first and second arrays and their relative locations are such that the array of micro-focusing elements cooperates with each of the first and second arrays to generate magnified versions of the microimage elements due to the moire effect. The magnified version of the first array is viewed against a background defined by the magnified version of the second array, the first array exhibiting movement relative to the background when the device is tilted.

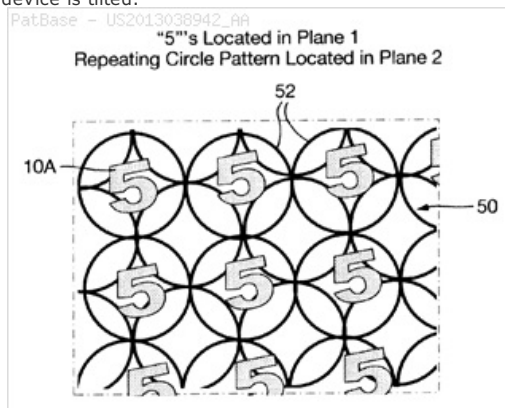
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US: 1/1 283/74 359/463 359/463 359/618 359/619 359/627 427/164

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Probable Assignee: DE LA RUE INT LTD

Assignee(s): (std): DE LA RUE INT LTD ; HOLMES BRIAN WILLIAM ; RUE DE INT LTD

Assignee(s): DE LA RUE INT BASINGSTOKE LTD ; LA RUE INT DE LTD ; LA RUE INTERNATIONAL DE LIMITED ; DE LA RUE INT LTD BASINGSTOKE ; DE LA RUE INTERNATIONAL LIMITED

Inventor(s): (std): HOLMES BRIAN WILLIAM

Inventor(s): HOLMES BRIAN WILLIAM FLEET ; BRIAN WILLIAM HOLMES

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; SKONE JAMES ROBERT EDMUND; GILL JENNINGS AND EVERY LLP; DE ELZABURU ALBERTO; AOKI ATSUSHI; SHIMADA TETSURO; TSURUTA JUNICHI; OLIFF PLC

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

9) Family number: 40842888 (US2010012866A)

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Title: SATURATION OPTICS

Abstract: An imaging system includes a detector for receiving electromagnetic energy and generating sampled data in accordance with the electromagnetic energy so received. The detector is characterized by a threshold point such that the sampled data is in one of two states: i) below threshold, when the intensity of the electromagnetic energy so received is less than the threshold point; and ii) above threshold, when the intensity of the electromagnetic energy is greater than the threshold point. The imaging system also includes saturation optics for providing a characteristic of the sampled data, wherein the characteristic of the sampled data when below threshold is different from the characteristic of the sampled data when above threshold.

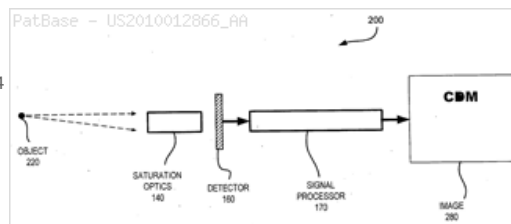
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International (IPC 8-9): B24B B24B13/06 B24B49/00 B24B49/12 B29C59/02 G01J1/04 G01J1/28 G01J1/42 G01N21/00 G02B G02B1/11 G02B1/18 G02B13/00 G02B13/16 G02B13/18 G02B15/14 G02B15/16 G02B27/00 G02B27/46 G02B3/00 G02B3/02 G02B3/14 G02B5/20 G02B5/22 G02B5/28 G02B5/32 G02B7/02 G03B11/00 G03H1/22 G06F17/50 H01L H01L21/027 H01L27/14 H01L27/146 H01L31/02 H01L31/18 H04N3/14 H04N5/225 H04N5/232 H04N5/30 H04N5/335 H04N5/369 H04N9/07 (Advanced/Invention); G01J1/28 G01N21/00 G02B1/11 G02B11/00 G02B5/20 G02B5/28 H01L27/146 H04N5/335 (Advanced/Non-invention); B24B13/00 B24B49/12 G01J1/04 G01J1/10 G01J1/42 G01N21/00 G02B1/10 G02B13/00 G02B15/16 G02B27/00 G02B3/00 G02B5/20 G02B5/28 G02B5/32 G03H1/00 H01L27/14 H01L27/146 H01L31/02 H01L31/18 H04N5/225 H04N5/30 H04N5/335 (Core/Invention); B24B G02B H01L (Subclass/Invention)

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Probable Assignee: OMNIVISION TECHNOLOGIES INC

Assignee(s): (std): EASTMAN KODAK CO ; FAN REGIS S ; KUBALA KENNETH S ; MADER JOHN J ; RAUKER GORAN M ; MELONI MARK A ; HEPP MICHAEL ; HE JAMES ; SCEPANOVIC MIODRAG ; LINNEN CHRISTOPHER J ; JOHNSON GREGORY E ; MACON KENNETH ASHLEY ; RHODES HOWARD E ; OMNIVISION CDM OPTICS INC ; MELONI MARK ; KUBALA KENNETH ; BARNES GEORGE C IV ; BARNES IV GEORGE C ; CDM OPTICS INC ; CHUMACHENKO VLADISLAV V ; DOWSKI EDWARD R ; CORMACK ROBERT H ; COMBS DONALD ; DOBBS DENNIS W ; DUERKSEN GARY L ; DOWSKI JR EDWARD R ; COMMACK ROBERT ; CORMACK ROBERT ; OMNIVISION TECH INC ; OMNIVISION TECHNOLOGY INC ; TACHIHIRA SATORU ; SILVEIRA PAULO E X ; SCHWARTZ BRIAN T ; TAMAYO INGA ; SCEPANOVIC MONDRAG ; SCHWARTZ BRIAN

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Agent(s): KUDLEK AND GRUNERT PATENTANWAELTE PARTNERSCHAFT; HOESSLE KUDLEK AND PARTNER; KUDLEK AND GRUNERT PATENTANWAELTE; M PATENT GROUP; INSIGHT INTELLECTUAL PROPERTY 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 DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS
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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

10) Family number: 28924507 (US2002001690A)

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Title: Copy-protected optical disc and method of manufacture thereof

Abstract: A method for fabricating read-only copy protected optical discs comprising a light-sensitive material at positions capable of altering the data read during copying of the disc but permitting read of the underlying data in the reading of the disc.

Classifications:

International (IPC 8-9): A43B5/06 A43B7/20 A43C11/00 B23B3/12
B29D17/00 B32B3/02 G06F G06F11/30 G06F12/00 G06F12/14
G06F9/00 G06K7/10 G09C3/00 G11B G11B11/00 G11B19/04
G11B19/12 G11B20/00 G11B20/10 G11B20/12 G11B23/28
G11B27/36 G11B3/24 G11B3/70 G11B5/09 G11B5/58 G11B5/84
G11B7/00 G11B7/004 G11B7/005 G11B7/007 G11B7/085 G11B7/20
G11B7/24 G11B7/243 G11B7/246 G11B7/247 G11B7/257 G11B7/26
H04L H04L9/00 H04N7/167 (Advanced/Invention);
B29D17/00 G11B20/10 G11B7/00 G11B7/24 G11B7/246
G11B7/26 (Advanced/Non-invention);
A43B5/00 A43B7/14 A43C11/00 G11B20/10
G11B7/085 (Core/Invention);
G11B (Subclass/Invention)

International (IPC 1-7): B05D1/02 B29D11/00 B29D17/00
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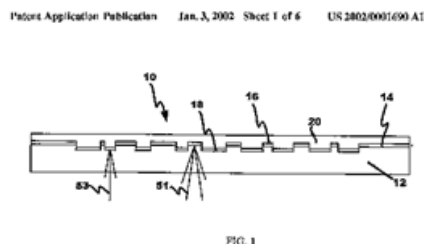
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369/275.500S 369/283 369/283S 369/286 369/286S 369/288 369/288S 369/291.1 369/30.12 369/30.120S 369/47.12
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Assignee(s): VERIFICATION TECHNOLOGIES INC D B A VERITEC ; VERIFICATION TECHNOLOGY INC ; VERIFICATION TECHNOLOGIES INC 85 WEST BROOK ROAD CENTERBROOK ; SPENCER TRASK HEALTHCARE VENTURES LLC ; SPENCER TRASK ; NFINITY IP LLC

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

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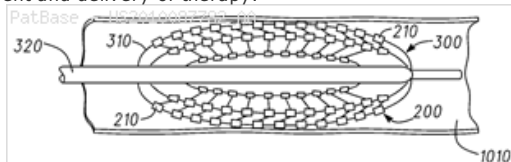
Title: CATHETER BALLOON HAVING STRETCHABLE INTEGRATED CIRCUITRY AND SENSOR ARRAY

Abstract: A system, device and method are presented for utilizing stretchable active integrated circuits with inflatable bodies. The invention allows for such operative features to come into direct contact with body structures, such as the inner wall of a lumen. Such direct contact increases accuracy of measurement and delivery of therapy.

Classifications:

International (ipc 8-9): A61B A61B1/00 A61B1/01 A61B1/04 A61B1/05 A61B1/313 A61B10/00 A61B18/00 A61B18/02 A61B18/04 A61B18/12 A61B18/14 A61B18/18 A61B18/20 A61B18/24 A61B5/00 A61B5/01 A61B5/02 A61B5/0205 A61B5/0215 A61B5/024 A61B5/026 A61B5/03 A61B5/04 A61B5/0402 A61B5/0408 A61B5/042 A61B5/044 A61B5/046 A61B5/0478 A61B5/0488 A61B5/0492 A61B5/05 A61B5/053 A61B5/07 A61B5/103 A61B5/145 A61B5/1473 A61B6/12 A61B8/00 A61B8/08 A61B8/12 A61B8/14 A61F2/00 A61F2/02 A61F2/84 A61M A61M25/00 A61M25/09 A61M25/10 A61M29/00 A61M37/00 A61M5/00 A61M5/172 A61N1/04 A61N1/05 A61N5/06 A61N7/00 A61N7/02 B60C23/00 B60C23/04 B60W40/00 B60W40/06 B60W40/12 G01M17/02 G01N G01N33/48 H01B5/00 H01L H01L21/00 H01L21/30 H01L21/46 H01L21/50 H01L21/60 H01L21/768 H01L23/00 H01L23/12 H01L23/31 H01L23/498 H01L23/52 H01L23/528 H01L23/535 H01L25/04 H01L25/16 H01L25/18 H01L27/14 H01L27/146 H01L29/40 H01L29/82 H01L31/02 H01L31/0232 H01L31/062 H01L31/18 H04N5/225 H04N5/335 H05K1/00 H05K1/02 H05K1/03 H05K1/18 H05K13/00 H05K3/00 H05K3/30 H05K3/32 (Advanced/Invention); A61B17/00 A61B18/00 A61B18/02 A61B18/14 A61B18/20 A61B18/24 A61B5/00 A61B5/01 A61B5/0215 A61B5/04 A61B5/0408 A61B5/05 A61B5/053 A61B5/145 A61B8/08 A61B8/12 A61B90/00 A61F2/958 A61M25/10 A61M29/00 A61N7/00 H01L27/146 (Advanced/Non-invention); A61B18/04 A61B18/20 A61B5/02 A61B5/0205 A61B5/04 A61B5/0408 A61B5/05 A61F2/82 A61M25/10 A61M29/00 G01N33/48 H01B5/00 H01L21/02 H01L21/70 H01L23/52 H01L27/146 H01L31/18 H05K13/00 H05K3/00 H05K3/30 (Core/Invention); H01L (Subclass/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

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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:

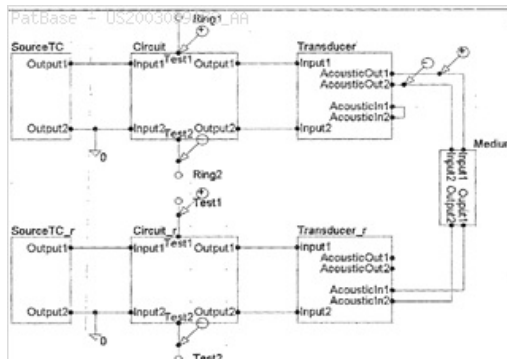
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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

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

Inventor(s): (std): DU VALL WILBUR E ; DUVALL WILBUR E ; JOHNSON WENDELL C ; PATEL RASHIK ; YURCHENKO OLEKSANDR V ; PIIRAINEN RAY ; DAVIS STUART D ; CASTELLI VITTORIO ; BREED RYAN H ; BREED DAVID S ; MORIN JEFFREY L

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

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

Abstract: A lens array for imaging image elements in an object plane, and a method of making a lens array. The lens array includes lenslets formed in or on one side of a transparent or translucent material with the image elements disposed on the opposite side, and has a gauge thickness corresponding to the distance from the apex of each lenslet to the object plane. Each lenslet has a set of lens parameters. The gauge thickness and/or at least one lens parameter is or are optimised such that each lenslet has a focal point size in the object plane which is either substantially equal to the size of the image elements in the object plane, or varies from the size of the image elements by a predetermined amount.

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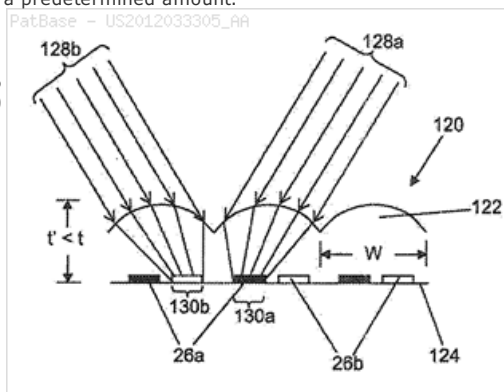
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International (IPC 1-7): B24D15/10 B42D15/00 B42D15/10 G02B27/22 G02B3/00

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European: B42D15/00C G02B3/00A3L G02B3/00A3S L42D35/28

US: 1/1 264/1.36 264/1.360S 264/1.37 264/1.370S 264/1.7 359/443 359/619 359/619P 700/103 700/103S 703/1



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Priority:

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Probable Assignee: CCL SECURE PTY LTD

Assignee(s): (std): CCL SECURE PTY LTD ; INNOVIA SECURENCY INT PTY LTD ; SECURENCY INTERNAT PTY LTD ; ROBERTS DAVID E ; MOON JONATHAN A ; SECURENCY INTERNATIONAL PTY LTD ; SECURENCY INT PTY LTD ; INNOVIA SECURITY PTY LTD ; ROBERTS DAVID E

Assignee(s): INNOVIA SECURENCY INTERNATIONAL PROPRIETARY LTD ; INNOVIA SECURENCY INT PROPRIETARY LTD

Inventor(s): (std): ROBERTS DAVID E ; MOON JONATHAN A ; DAVID E ROBERTS ; JONATHAN A MOON ; ROBERTS DAVID E

Inventor(s): MOON JONATHAN A ROBERTS DAVID E

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; PHILLIPS ORMONDE FITZPATRICK; ALLENS PATENT AND TRADE MARK ATTORNEYS; BERESKIN AND PARR LLP SENCRL SRL; ROBIC; PORZIO RIOS; MARGARITA CASTELLANOS ABONDANO; CABINET HARLE ET PHELIP; JACOBACCI CORALIS HARLE; MARKS AND CLERK; BARNES AND THORNBURG LLP; WATERMARK PATENT AND TRADE MARK ATTORNEYS

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

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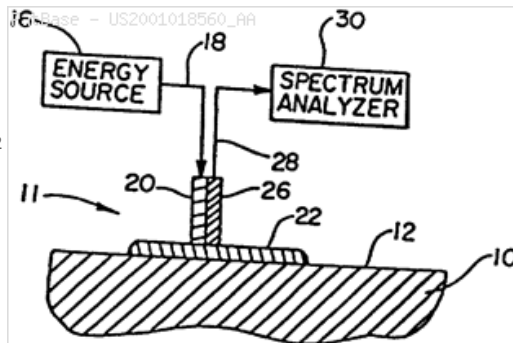
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Title: Apparatus and method for determination of the adequacy of dialysis by non-invasive near-infrared spectroscopy

Abstract: Methods and apparatus for non-invasive tissue urea concentrations during or subsequent to hemodialysis using near-infrared spectroscopy are discussed. Near-infrared tissue spectra can be obtained by projecting near-infrared radiation into skin on the underside of human forearms and capturing the light reflected back and out through the tissue. An index matching medium is used to couple the tissue to the analyzer. The tissue spectrum collected preferably includes primarily diffuse reflected light reflected from the inner dermis. Multiple tissue spectra of known urea concentration are used to build a model from which the urea concentration of an unknown sample can be devised. The model is based on a partial least squares algorithm applied to multiple tissue scans and concomitant blood sample urea measurements. This model is then applied to an unknown tissue spectra.

Classifications:

International (ipc 8-9): A61B A61B10/00 A61B5/00 A61B5/117 A61B5/145 A61B5/1455 A61B5/1495 A61B6/00 B08B7/00 B60K28/06 G01J3/00 G01J3/02 G01J3/10 G01J3/28 G01J3/42 G01J3/427 G01J4/00 G01N G01N21/00 G01N21/21 G01N21/27 G01N21/35 G01N21/47 G01N21/49 G01N21/64 G01N21/65 G01N33/48 G01N33/487 G01N37/00 G02B27/00 G02B6/12 G02B6/42 G02B6/44 G05B19/00 G05B23/00 G06F7/04 G08B13/14 (Advanced/Invention); A61B5/00 A61B5/103 A61B5/145 B08B7/00 G01J3/02 G01N21/47 G01N21/64 (Advanced/Non-invention); A61B10/00 A61B5/00 A61B5/117 A61B5/145 A61B6/00 G01J3/00 G01N21/00 G01N21/25 G01N21/31 G01N21/47 G01N21/63 G01N21/64 G01N33/487 G02B27/00 G02B6/12 G02B6/42 G02B6/44 G06F7/02 G08B13/14 (Core/Invention); A61B5/103 (Core/Non-invention); A61B G01N (Subclass/Invention)



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Family:

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CORRALES ; DI MAURO MAURIZIO ; BIRNKRANT DASHIELL ; BROWN CHRISTOPHER ; BROWN CHRISTOPHER DUS ; DAVIS

Agent(s): GRIFFITH HACK; CASSAN MACLEAN; CASSAN MACLEAN IP AGENCY INC; RIDOUT AND MAYBEE LLP; BORDEN LADNER GERVAIS LLP; VOSSIUS AND PARTNER PATENTANWALTE RECHTSANWALTE MBB; VOSSIUS AND PARTNER; HART DEBORAH MARY; JOHNSON STOKES AND MASTER; GE BO; IT AND T INT PATENT AND TRADEMARK AGENT LTD; KITA AOYAMA INT PATENT BUREAU; INLIGHT SOLUTIONS INC; GENERAL COUNSEL INLIGHT SOLUTIONS INC; V GERALD GRAFE ESQ; V GERALD GRAFE ESQ GENERAL COUNSEL; V GERALD GRAFE; CROMPTON SEAGER AND TUFTE LLC; V GERALD; DAVID M; GRAFE V GERALD

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

15) Family number: 28168744 (US2002008917A)

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Title: HIGH ACUITY LENS SYSTEM

Abstract: A lens system which has a first optical boundary with a radius of curvature R, a second optical boundary located substantially a distance R from the first boundary, and a third optical boundary nearer to the second optical boundary than R. Secondly, a lens system providing optical field limitation using total internal reflection. Also, an array of lenses for reproduction, capture and display of three dimensional images discussed.

Classifications:

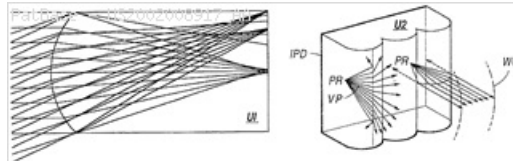
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Probable Assignee: STRATEGIC PATENT ACQUISITIONS LLC

Assignee(s): (std): DANIELL STEPHEN ; ZOGRAPH LLC

Assignee(s): HALLE MICHAEL ; STRATEGIC PATENT ACQUISITIONS LLC ; ZOGRAPH CORP

Inventor(s): (std): DANIELL STEPHEN ; HALLE MICHAEL

Inventor(s): MICHAEL HALLE ; STEPHEN DANIELL

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR

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

Title: COVERT VARIABLE INFORMATION ON IDENTIFICATION DOCUMENTS AND METHODS OF MAKING SAME

Abstract: In one embodiment, a method for manufacturing an identification document is provided. A substrate is provided that is constructed and arranged to receive printing thereon. A first variable indicium is printed on the substrate, where the first variable indicium is not visible to the human eye in ambient light but is visible to the human eye when viewed using a first type of light.

Classifications:

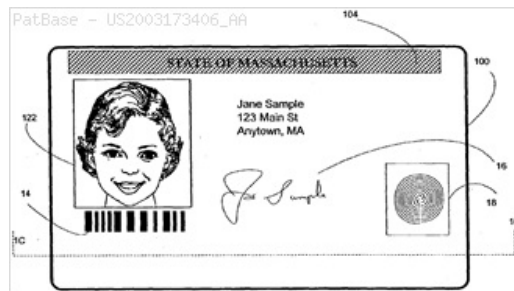
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Family:

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Probable Assignee: DIGIMARC CORP**Assignee(s):** (std): DIGIMARC ID SYSTEMS LLC ; JONES ROBERT L ; DUGGAN CHARLES F ; DURST ROBERT T ; JONES ROBERT ; KENEN LEO M ; BATEY DANIELLE ; BI DAOSHEN ; DIGIMARC CORP ; L 1 SECURE CREDENTIALING INC ; SCHNECK NELSON ; SCHNECK NELSON T ; LABREC BRIAN ; REGAN THOMAS**Assignee(s):** BANK OF AMERICA NA ; DMRC LLC ; DMRC CORP ; DIGIMARC CORP WAS DMRC CORPORATION.. ; DIGIMARC CORP WAS DMRC CORP ; DIGIMARC ID SYSTEMS ; DIMIMARC CORP**Inventor(s):** (std): DURST ROBERT T ; JONES ROBERT ; JONES ROBERT L ; KENEN LEO M ; SCHNECK NELSON T ; SCHNECK NELSON ; LABREC BRIAN ; DUGGAN CHARLES F ; REGAN THOMAS ; BI DAOSHEN ; BATEY DANIELLE**Inventor(s):** NELSON SCHNECK ; DUGGAN CHARLES ; DAOSHEN BI ; DANIELLE BATEY ; CHARLES F DUGGAN ; ROBERT L JONES ; ROBERT JONES ; KENEN LEO ; DURST ROBERT**Agent(s):** OYEN WIGGS GREEN AND MUTALA LLP; CRUMP JULIAN RICHARD JOHN; BEVAN EMMA; DIGIMARC CORP; KYLE; A JASON; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR 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 NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW**17) Family number: 28626375 (US2003075223A)**

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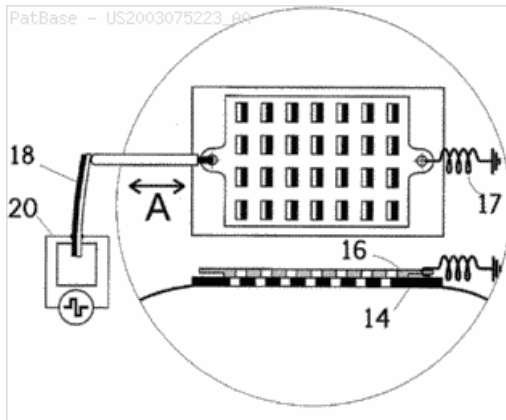
Title: DISCHARGE VALVES FOR AIRBAGS AND AIRBAGS INCLUDING THE SAME**Abstract:** Discharge valve for an airbag including a fixed member adapted to be arranged in connection with or associated with the airbag and having a pattern of openings and a movable member having a pattern of openings substantially 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 B62D1/11 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

CPC: G06F17/5018 G06F17/5095 B60W50/0205 B60W2420/52 B60W2420/54 B60R21/01 B60W40/08 B60W2040/0809 B60W2040/0818 B60W2040/0872 B60W2040/0881 B60W2050/143 B60W2050/146 B60C23/041 B60K28/066 B60R25/2081 B60R25/24 B60R2325/101 B60R2325/202 B60W2540/24 G08B21/04 B60R21/205 B60R2021/23324 B60R2021/23533 B60C23/0433 B60C23/0425 B60R2021/23161 B60R2021/23557 B60R2021/2358 B60R2021/2359 B60R21/2338 B60R2021/01211 B60R2021/23382 B60R2021/2395 G01S7/4052 G01S7/497 G01S15/523 B60N2/015 B60N2/0244 B60N2/0248 B60N2/0252 B60N2/067 B60N2/28 B60N2/2806 B60N2/66 B60N2002/0268 B60N2002/0272 B60R16/037 B60R21/203 B60R21/21656 B60R22/20 B60R22/201 B60R25/25 B60R2001/1223 B60R2001/1253 B60R2021/0027 B60R2021/26094 B60R2022/208 B60R2022/288 B60R2022/4685 E05Y2900/55 G01S7/417 G01S7/4802 G01S7/539 G01S13/04 G01S15/04 G01S15/06 G01S15/87 G01S15/88 G01S17/88 G01S17/89 G06K9/00362 G10K2210/1282 G10K2210/3219 B60R21/01536 B60R21/01542 B60R21/01558 B60R21/01548 B60R21/01554 B60R2022/4825 B60N2/028 B60Q1/1423 B60R2021/01315 B60R2021/01327 B60J10/00 B60N2/0276 B60N2/2863 B60R19/483 B60R21/21 B60R21/33 B60R2021/0011 B60R2021/01325 B62D21/15 H01H35/146 H04Q9/00 B60R2021/01302 B60N2/0232 B60R2022/4816 B60R2022/4841 B60R2022/4858 B60R21/0152 B60R21/01534 B60R2021/01225 B60R21/01552 G01S7/52006 B60R21/01516 B60R21/01538 B60R21/015 B60R21/01526 G06K9/00369 B60N2/002 B60R21/0153 B60R21/01544 B60C23/0408 H03K2217/96011 G06K9/00832 E05F15/40 E05Y2900/50 E05F15/43 E05F15/431 E05F2015/433 Y10T137/86734 Y10T137/86743 Y10T307/766 B60R21/276 B60R2021/2765 B60C11/24 B60R2021/01311 B60R21/017 B60R21/0134 B60R21/0136 B60R21/232 B60R21/2032 B60R21/206 B60R21/214 B60R21/233 B60R21/235 B60R21/239 B60R21/264 B60R2021/0004 B60R2021/0006 B60R2021/23107 B60R2021/23153 B60R2021/23169 B60R2021/23192 B60R2021/23308 B60R2021/23316 B60R2021/23504 B60R2021/23514 B60R2021/23519 B60R2021/23523 B60R2021/2636 B60R21/01532 B60R2021/01068 G01M17/00 B60R21/013 B60R2021/01054 B60R2021/01061 B60R2021/01109 B60R2021/01184 G07C5/085 G07C5/0891 B60R21/20 B60R21/30 G07C5/008 G07C5/0808 G01G19/4142 G05D1/0077 G05D1/021 G05D2201/0213 B60R21/0132 B60N2/829 B60N2/853 B60N2/888 B60Q1/143 B60Q2300/41 B60Q2300/42

European: B60C23/04C B60C23/04C3 B60C23/04C6B B60C23/04C6D B60J10/00 B60K28/06D B60N2/00C B60N2/015 B60N2/02B4 B60N2/02B6 B60N2/02B6B B60N2/02B6C B60N2/02B6W B60N2/02C B60N2/06S B60N2/28 B60N2/28B2 B60N2/28P4 B60N2/48C2C B60N2/48C3C B60N2/48W B60N2/66 B60Q1/14C1 B60Q1/14C1B B60R16/037 B60R19/48D B60R21/013 B60R21/0132 B60R21/0136 B60R21/015 B60R21/16B6 B60R21/20 B60R21/203F B60R21/205 B60R21/206 B60R21/20G2 B60R21/214 B60R21/232 B60R21/233 B60R21/2338 B60R21/235 B60R21/239 B60R21/264 B60R21/276 B60R21/28 B60R21/30 B60R21/33 B60R22/20 B60R25/20R B60R25/24 B60R25/25 B60W40/08 B60W50/02A B62D21/15



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

Inventor(s): (std): BREED DAVID S ; CHEN TIE QI ; DU VALL WILBUR E ; DUVALL WILBUR E ; JOHNSON WENDELL C ; MORIN JEFFREY L ; SANDERS DECEASED THOMAS ; SANDERS THOMAS ; SANDERS SYLVIA ; KHVASTUKHIN MYKHAILO

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

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

18) Family number: 31454288 (US2003019852A)

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Title: LASER MARKING SYSTEM

Abstract: A laser energy microinscribing system, comprising a semiconductor excited Q-switched solid state laser energy source, a cut gemstone mounting system, allowing optical access to a mounted work-piece, an optical system for focusing laser energy from the laser energy source onto a cut gemstone, a displaceable stage for moving said gemstone mounting system with respect to said optical system so that said focused laser energy is presented to desired positions on said gemstone, having a control input, an imaging system for viewing the gemstone from a plurality of vantage points, and a rigid frame supporting said laser, said optical system and said stage in fixed relation, to resist differential movements of said laser, said optical system and said stage and increase immunity to vibrational misalignment. The laser energy source is preferably a semiconductor diode excited Q-switched Nd:YLF laser with a harmonic converter having an output of about 530 nm. The system may further comprise an input for receiving marking instructions, a processor for controlling said displaceable stage based on said marking instructions and said imaging system, to selectively generate a marking based on said instructions and a predetermined program, and a storage system for electronically storing information relating to images of a plurality of workpieces. A secure certificate of authenticity of a marked workpiece is also provided

Classifications:

International (IPC 8-9): A44C A44C17/00 A44C27/00 B23K B23K26/00 B23K26/02 B23K26/03 B23K26/04 B23K26/042 B23K26/046 B23K26/06 B23K26/08 B23K26/10 B23K26/18 B23K26/36 B23K26/362 B23K26/38 B23K26/40 B23K26/402 B23K26/42 B25H7/04 B28D B42D15/10 B42D25/435 B44C1/22 B44F1/12 G01N21/00 G01N21/87 G02B27/40 G06K G06K1/02 G06K1/12 G07C11/00 H01B11/20 H01R13/655 H01R13/658

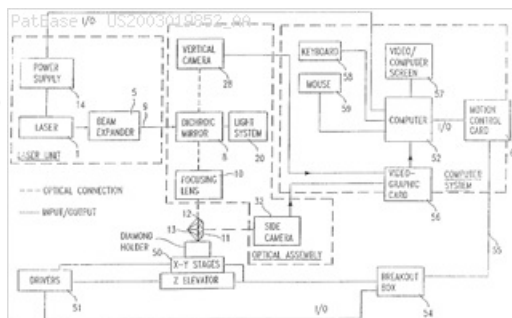
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A44C17/00 A44C27/00 B23K26/00 B23K26/02 B23K26/04
B23K26/08 B23K26/10 B23K26/18 B44C1/22 G01N21/87
H01R13/658 (Advanced/Non-invention);
A44C17/00 B23K26/00 B23K26/04 B42D15/10 G06K1/00 G07C11/00
H01B11/18 H01R13/655 H05K9/00 (Core/Invention);
H01R13/658 (Core/Non-invention);
A44C B23K (Subclass/Invention);
B23K G06K (Subclass/Non-invention)

International (IPC 1-7): A44C17/00 A44C27/00 B23K26/00
B23K26/02 B23K26/03 B23K26/04 B23K26/08 B23K26/10
B23K26/18 B23K26/36 B23K26/38 B23K26/40 B25H7/04 B28D5/00
B44C1/22 B44F1/12 G01N21/87 G06K1/02 G06K1/12 H01B11/06
H01B7/08 H01R13/655 H05K9/00

CPC: B23K26/032 B23K26/06 B23K26/0643 B23K26/0648
B23K26/0665 B23K26/0861 B41M5/262 B44B3/009 B44B7/007
B44C1/228 G06K1/126 B23K26/043 H01R13/6581 B23K26/04 H01B11/203 B23K26/042 B23K26/064 G01N21/87 B23K26/361
B23K2103/30 B23K2103/50

European: B23K26/03B B23K26/04 B23K26/06 B23K26/06C B23K26/06C1 B23K26/06C3 B23K26/06H B23K26/08E4B
B23K26/36E B23K26/40B7 B44B3/00Z B44B7/00Z B44C1/22L G06K1/12D H01B11/20B L41M5/26B T01R13/658E

US: 174/106R 174/117 174/117F 174/36 219/121.68 219/121.680P 219/121.680S 219/121.69 219/121.690S 219/121.83
219/121.830S 250/201.2 283/74 356/30 356/30P 63/32 63/32P 700/166 700/166S



Family:

Publication number	Publication date	Application number	Application date
AT490837 E	20101215	AT19960940506T	19961114
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HK1017298 B	20050506	HK19990102635	19990621
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Priority:

US19960009638P	19960105	US19960690309	19960729	US19960690309	19960730
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Probable Assignee: KAPLAN LAZARE INT

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Inventor(s): GEORGE R KAPLAN R ; LI, WEN-YU ; KAPLAN GEORGE R SHACHRAI AVIGDOR ANNER ODED GURVIC ; JORGE R KAPULAN AWIGDO SHAHALE AUDID ANNA

Agent(s): CALLINANS ; FISHER ADAMS KELLY CALLINANS ; SPRUSON AND FERGUSON ; LONG AND CAMERON ; CAMERON IP ; KATSCHER HABERMANN PATENTANWALTE ; NTD PATENT AND TRADE MARK AGENCY LTD UNITS 1805 6 18 F GREENFIELD TOWER ; NTD PATENT AND TRADE MARK AGENCY LTD ; EITAN PEARL LATZER AND COHEN ZEDEK ; WOLFF BREGMAN AND GOLLER ; ISHIDA TAKASHI ; NISHIYAMA MASAYA ; MILDE AND HOFFBERG LLP ; STEVEN M HOFFBERG MILDE AND HOFFBERG LLP ; ALAN D ; NIKOLAI AND MERSEREAU PA ; ECKERT SEAMANS CHERIN AND MELLOTT LLC ; KARL F

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CN CU CZ DE DK EE ES FI FR GB GE GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG US UZ VN

19) Family number: 32284449 (US2005218205A)

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Title: VALIDATING COMPETITION ENTRY

Abstract: A method of validating entry to a competition via interaction of a sensing device with a printed competition entry form comprising coded data indicative of a unique product identifier, the method comprising the steps, performed in a computer system, of: receiving, from the sensing device, interaction data representing interaction of the sensing device with the coded data, the interaction data including at least the unique product identifier and enabling a competition entry to be electronically captured in the computer system; and transmitting the product identifier and the competition entry to a competition administrator for validation of the competition entry at the competition administrator by verification of the product identifier.

Classifications:

International (IPC 8-9): B05D5/06 B41J2/01 B41J2/04 B41J2/17 B41J2/175 B41J29/28 B41J3/407 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 F21V9/04 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F17/60 G06F19/00 G06F3/033 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K5/04 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/32 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention); G06K7/10 (Advanced/Non-invention); B41J2/17 (Core/Invention)

International (IPC 1-7): G06F17/00

CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378

European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00 G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C H04N5/374B H04N5/376A H04N5/378 T04N5/33

US: 1/1 1/1P 106/31.27 106/32.27 178/18.01 235/375 235/375P 235/383 235/383P 235/383S 235/385 235/385P 235/435 235/454 235/454P 235/462.01 235/462.08 235/462.14 235/462.140P 235/462.140S 235/462.4 235/462.43 235/462.430P 235/462.45 235/470 235/472.01 235/472.020P 235/487 235/492 235/494

235/494P 250/338.1 252/582 252/587 345/179 345/179P 345/183
347/1 347/100P 347/106 347/5 347/54 347/86 348/E03.021
348/E3.021 348/E30.21 348/E30.21S 427/74 700/116P 700/215
700/216 700/95S 705/16P 707/104.1 707/999.107 707/999.107S
707/E17.044 707/E17.044S 715/764S

PatBase - US COMPETITION NAME 50

COMPETITION ENTRY FORM

COMP DESC 51

CONDITIONS 52

MORE INFO 53

TELL US, IN 20 WORDS OR LESS, WHY YOU LIKE OUR PRODUCT

TEXT 57

ARE YOU LIKELY TO BUY THIS PRODUCT AGAIN?

☐ YES ☐ NO 58

PLEASE SIGN HERE TO CERTIFY YOU ARE OVER 18 54

SIGNATURE 59

SUBMIT ENTRY 54

55

CLICK HERE AT ANY TIME TO CHECK IF YOU HAVE WON

56 HAVE I WON?

PRINT 55

Family:

Publication number	Publication date	Application number	Application date
AU2004227422 CA	20070419	AU20040227422	20040402
US2005218205 AA	20051006	US20040815639	20040402
US2006237546 AA	20061026	US20060446240	20060605
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US2006266828 AA	20061130	US20060499748	20060807
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US2008204429 AA	20080828	US20080117624	20080508
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US7137566 BB	20061121	US20040815632	20040402
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US7207483 BB	20070424	US20040815633	20040402
US7207485 BB	20070424	US20040815641	20040402
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US7785502 BB	20100831	US20070845672	20070827
US8022943 BB	20110920	US20080117624	20080508

Priority:

AU20030901617	20030407	AU20030901795	20030415	AU20040227422	20040402
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US20080117624	20080508				

Probable Assignee: BASF SE

Assignee(s): (std): LAPSTUN JACQUELINE A ; LAPSTUN PAUL ; SCOTT PAUL Q ; SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; BASF SE

Inventor(s): (std): HALL LACHLAN EVERETT ; HENDERSON PETER CHARLES BOYD ; LAPSTUN JACQUELINE ANNE ; MOINI ALIREZA ; RIDLEY DAMON DONALD ; RIDLEY NICHOLAS DAMON ; RUSMAN JAN ; SCOTT PAUL QUENTIN ; STARLING SCOTT MATTHEW ; UNDERWOOD MATTHEW JOHN ; VONWILLER SIMONE CHARLOTTE ; YOURLO ZHENYA ALEXANDER ; PAPADAKIS ALEXANDRA ARTEMIS ; SILVERBROOK KIA ; SCOTT PAUL Q ; LAPSTUN PAUL ; LAPSTUN JACQUELINE A

Inventor(s): LAPSTUN JACQUELINE ; ALIREZA MOINI ; SCOTT PAUL ; PAUL LAPSTUN ; PETER CHARLES BOYD HENDERSON ; ZHENYA ALEXANDER YOURLO ; NICHOLAS DAMON RIDLEY ; MATTHEW JOHN UNDERWOOD ; JAN RUSMAN ; KIA SILVERBROOK

Agent(s): SILVERBROOK RESEARCH PTY LTD

Abstract: An augmented reality device for inserting virtual imagery into a user's view of their physical environment, the device comprising: a display device through which the user can view the physical environment; an optical sensing device for sensing at least one surface in the physical environment; and, a controller for projecting the virtual imagery via the display device; wherein during use, the controller uses wave front modulation to match the curvature of the wave fronts of light reflected from the display device to the user's eyes with the curvature of the wave fronts of light that would be transmitted through the device display if the virtual imagery were situated at a predetermined position relative to the surface, such that the user sees the virtual imagery at the predetermined position regardless of changes in position of the user's eyes with respect to the see-through display.

Classifications:

International (IPC 8-9): B43K29/00 B43K29/08 B43K5/14 B43K7/00 G01L1/26 G01L5/00 G01L5/16 G01N3/08 G02B27/01 G06F15/00 G06F17/00 G06F21/20 G06F3/00 G06F3/033 G06F3/041 G06F3/12 G06K15/00 G06K7/10 G06K9/22 G06K9/24 G09G5/00 H01R13/62 H04B1/38 (Advanced/Invention);

G06F17/00 G06F3/12 (Advanced/Non-invention);

B43K29/00 B43K5/00 B43K7/00 G01L1/26 G01L5/00 G01N3/08 G02B27/01 G06F15/00 G06F17/00 G06F21/00 G06F3/00 G06F3/033 G06F3/041 G06F3/12 G06K15/00 G06K7/10 G06K9/22 G09G5/00 H01R13/62 H04B1/38 (Core/Invention)

International (IPC 1-7): G01L1/26 G02B27/01 G06F15/00 G06F17/00 G06F3/033 G09G5/00 H04B1/38

CPC: G01L1/25 B41J2/17503 B41J2/17513 B41J2/1752 B41J2/17523 B41J2/17546 B41J2/17553 B41J2/17556 B41J2/17563 B41J2/2114 B41J13/103 B41J13/106 B42C9/0006 B42C9/0081 B42C19/02 B65H29/34 B65H37/04 G06F3/016 G06K9/2054 G06K9/2063 G06K9/22 G06K9/222 G06K2009/226 H04N1/00127 H04N1/00204 H04N1/00244 H04N1/00326 H04N1/00358 H04N1/00376 H04N1/00567 H04N1/00968 H04N1/32101 H04N1/32122 H04N1/32128 H04N1/32771 H04N1/32778 H04N2201/0082 H04N2201/3243 H04N2201/3269 H04N2201/327 G02B27/2214 G02B26/06 G02B27/017 G02B2027/0123 G02B2027/014 G02B2027/0187 G06F3/011 G06F3/013 G06F3/0321 G02B27/0093 G01L5/162 B43K7/005 B43K7/02 B43K23/12 B43K23/126 B43K25/022 B43K29/00 B43K29/003 B43K29/004 B43K29/08 B43K29/093 B43K29/10 G01L1/26 G06F3/03545 H04N13/344

European: B41J13/10B B41J13/10C B41J2/175C B41J2/175C2

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Priority:

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US20100690005	20100119				

Probable Assignee: LIVESCRIBE INC

Assignee(s): (std): KING TOBIN ALLEN ; LAPSTUN PAUL ; SILVER BROOK RES PTY LTD ; SILVERBROOK RES PTY LTD ; UNDERWOOD MATTHEW JOHN ; SILVERBROOK KIA ; SILVERBROOK RESEARCH PTY LTD

Assignee(s): SILVERBROOK RESERACH PTY LTD ; SILVER BROOK RESEARCH PTY LTD ; MPOWA PTY LTD ; LIVESCRIBE INC ; OPUS BANK

Inventor(s): (std): BERTOK ATTILA ; CAR RAPSTON PAUL SILVERBROOK ; KIA SILVERBROOK ; CAR SILVERBROOK ; LAPSTUN PAUL ; KING TOBIN A ; KING TOBIN ALLEN ; PAUL LAPSTUN ; PAUL RAPSTON ; SILVERBROOK KIA ; UNDERWOOD MATTHEW J ; UNDERWOOD MATTHEW JOHN ; TOW GREGORY MICHAEL ; TOW GREGORY M

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX 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 SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

21) Family number: 40886273 (US2010014122A)

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Title: METHOD AND DEVICE FOR MAKING DOCUMENTS SECURE

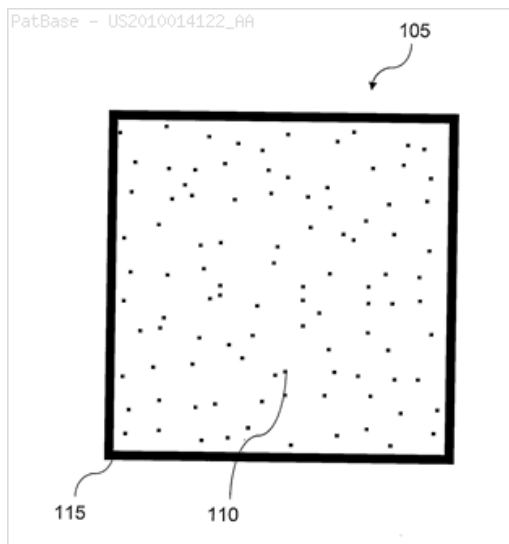
Abstract: The document identification method comprises: a step of generating an image, a step of marking a plurality of documents to form said image on each said document with unique variations on each document, the majority of the images formed on said documents presenting a physical anti-copy characteristic satisfying a pre-defined criterion such that said characteristic of the majority of the copies that can be produced based on these images do not satisfy said pre-defined criterion, a step of characterizing said variations to form a unique imprint of the mark formed, for each said document and a step of memorizing said unique imprint. In embodiments, said image only comprises two colors. In embodiments, during the step of characterizing variations, frequency analysis is utilized. In embodiments, during the step of memorizing, the imprint is stored in a database and/or the document is marked with a mark representing the imprint affixed individually on the document.

Classifications:

International (ipc 8-9): B41M3/00 B41M3/14 B42D15/00 B42D15/10 B65D1/02 B65D41/32 G03G21/04 G06F11/08 G06F17/30 G06F21/00 G06F21/10 G06F21/60 G06K15/00 G06K15/02 G06K19/06 G06K19/08 G06K19/10 G06K7/00 G06K7/10 G06K9/00 G06K9/18 G06K9/20 G06K9/46 G06K9/52 G06K9/62 G06K9/74 G06K9/78 G06T1/00 G06T7/00 G07D7/00 G07D7/20 G07D7/202 G07F7/08 G09C5/00 G09F3/02 H04L9/00 H04L9/06 H04L9/28 H04L9/32 H04N1/00 H04N1/32 H04N1/40 (Advanced/Invention); G06K1/12 G06K7/00 G06K7/10 G07D7/12 G07D7/20 H04N1/00 (Advanced/Non-invention); B41M3/00 B42D15/00 B42D15/10 B65D1/02 B65D41/32 G03G21/04 G06F11/08 G06F17/30 G06F21/00 G06K15/00 G06K19/06 G06K19/08 G06K7/00 G06K7/10 G06K9/00 G06K9/18 G06K9/20 G06K9/46 G06K9/74 G06K9/78 G07D7/00 G07F7/08 G09F3/02 H04L9/00 H04L9/06 H04N1/32 H04N1/40 (Core/Invention)

International (ipc 1-7): G06K9/00

CPC: B65B61/26 B65C3/24 B65C9/46 B67B3/006 B67B5/03 G06Q20/347 G07D7/004 G07F7/08 G07F7/0813 G07F7/125 G07D7/20 H04N1/32208 G06F21/608 G06K19/06178 H04N1/3232 H04N2201/327 Y10S283/902 G06K15/02 G06K15/4095 G06K19/06037 H04N1/32144 H04N2201/3233 G06K9/036 H04N1/32154 G06K9/522 G06K9/6234 G06K19/06009 G06K15/1889 H04N1/32272 H04N2201/323 H04N1/32203 G06K16/06037 G03G21/046 G03G2215/00299 G06K19/06046 G06K19/086 G06K19/10 B42D25/405 H04N1/32133 G06K9/726 G07D7/2033 H04N1/0087 B42D2035/14 G07D7/206 G07D7/005 G03G21/04 H04N1/00838 H04N1/00856 H04N1/00867 G06K9/00 G06K9/00577 G06T1/005 G06T2201/0064 H04N1/32101 H04N1/32187 H04N1/32261 H04N1/32288 H04N2201/3235 H04N2201/3236 H04N2201/324 H04N2201/3271 B42D25/305



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US: 235/494 283/902 283/93 358/1.14 358/3.28 358/3.280P 382/100 382/100S

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Publication number	Publication date	Application number	Application date
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US8913299 BB	20141216	US20130057304	20131018
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WO08107525 A2	20080912	WO2007FR02085	20071214
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WO09004172 A2	20090108	WO2008FR00743	20080602

Priority:

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AU20080270125	20080602	JP20100509865	20080602	WO2008FR00743	20080602
US20090302917	20090826	US20100602596	20100510	AU20110244939	20111103
US20120706646	20121206	US20130927605	20130626	US20130057304	20131018

Probable Assignee: ADVANCED TRACK AND TRACE

Assignee(s): (std): ADVANCED TRACK AND TRACE ; ADVANCED TRACK AND TRACE SA ; ADVANCED TRACK ET TRACE ; ATT SA ; ADVANCED TRACK ET TRACE SA ; ATT ADVANCED TRACK AND TRACE SA ; MASSICOT JEAN PIERRE ; FOUCOU ALAIN ; SAGAN ZBIGNIEW ; PICARD JUSTIN ; EHDVANST TREHK EHND TREHJS ; EDVANST TREK END TREJS ; ATT ADVANCED TRACK AND TRACE

Assignee(s): ATT SOC ANONYME ; ADVANCED TRACK ET TRACE SOC ANONYME ; ATT ADVANCED TRACK AND TRACE SOCIETE ANONYME ; ATT ADVANCED TRACK AND TRACE SOC ANONYME ; ADVANCED TRACK ET TRACE SOCIETE ANONYME ; ATT SOCIETE ANONYME ; ADVANCED TRACK AND TRACE SOC ANONYME ; ADVANCED TRACK AND TRACE SOCIETE ANONYME

Inventor(s): (std): FOKU ALEN ; ALAIN FOUCOU ; JUSTIN PICARD ; JEAN PIERRE MASSICOT ; SAGAN ZBIGNYU ; MASSIKOT ZHAN PER ; PICARD JUSTIN ; CORNUEJOLS GEORGES MARC ; SAGAN ZBIGNIEW ; ZBIGNIEW SAGAN ; SAGAN ZBIGNJU ; PIKARD ZHJUSTIN ; MASSIKOT ZHAN P ER ; FOUCOU ALAIN ; MASSICOT JEAN PIERRE

Inventor(s): MASSIKOT ZHAN-P'ER ; GEORGES MARC CORNUEJOLS

Agent(s): GRIFFITH HACK; BCF LLP; CORNUEJOLS GEORGES; FOURCADE EMMANUELLE; ADVANCED TRACK ET TRACE; ATT ADVANCED TRACK AND TRACE; ADVANCED TRACK AND TRACE; GEORGES CORNUEJOLS; YOUNG AND THOMPSON

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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

22) Family number: 31002902 (US2004188528A)

PatBase

Title: SYSTEM AND METHOD FOR AUTHENTICATING OBJECTS

Abstract: A method of authenticating objects is disclosed. At least one object having a print region with printed material contained thereon is provided. The printed material of the print region includes a layer of non-visible indicia which emits at least one wavelength of light outside a visible range of an electromagnetic spectrum when stimulated with electromagnetic radiation. An optical image of the object is recorded with an imaging device to make the non-visible indicia perceivable to a human eye. The perceived image is then compared against expected authentication indicia to authenticate the object. A system for authenticating objects includes at least one imaging device to record optical images of objects having a layer of non-visible indicia and to render the non-visible indicia perceivable to a human eye. The system also includes a central authentication system in communication with the imaging device to receive optical images recorded by the imaging device.

Classifications:

International (ipc 8-9): B42D15/00 B42D15/10 G06F19/00 G06K17/00 G06K7/10 G06K9/00 G06K9/20 G06K9/36 G06K9/78 G06T9/00 G07C11/00 G07D7/00 G07D7/12 G07D7/20 G09C5/00 H04L12/00 H04N1/44 (Advanced/Invention); H04N7/167 (Advanced/Non-invention); G06F19/00 G06K17/00 G06K9/00 G06K9/20 G06K9/36 G06K9/78 G06T9/00 G07D7/00 G09C5/00 H04L12/00 H04N1/44 (Core/Invention); G06F G06K (Subclass/Invention)

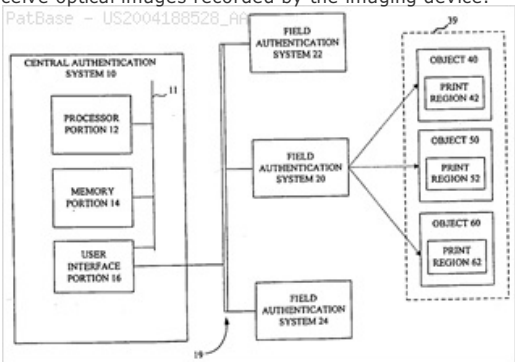
International (ipc 1-7): B42D15/00 G06K7/10 G06K9/00 H04L

CPC: G07D7/1205 G07D7/202 G07D7/206 G07D7/005 G07D7/128 G07D7/004 G07D7/20 G07D7/121

European: G07D7/00D G07D7/00F G07D7/00V G07D7/12B G07D7/12C G07D7/12V G07D7/20 G07D7/20F G07D7/20F8

US: 235/468 235/468P 283/72 283/72P 283/73 283/73P 380/232 382/100 382/100P 382/112 382/115 382/232 382/232P 382/233

Locarno class: 38/21



Family:

Publication number	Publication date	Application number	Application date
AU2008201745 AA	20081113	AU20080201745	20080421
AU2008201745 BB	20110602	AU20080201745	20080421
BRPI0408830 A	20060404	BR2004PI08830	20040326
BRPI0801137 A2	20081209	BR2008PI01137	20080425
CA2518359 AA	20050906	CA20042518359	20040326
CA2518359 C	20081230	CA20042518359	20040326
CA2628769 AA	20081025	CA20082628769	20080410
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CN101296299 A	20081029	CN200810093538	20080423
CN1764553 A	20060426	CN200480008327	20040326
EP1606121 A2	20051221	EP20040758509	20040326
EP1606121 A4	20100505	EP20040758509	20040326
EP1986162 A1	20081029	EP20080103702	20080424
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US2004264737 AA	20041230	US20040872232	20040618
US2005179252 A	20050818	US20050077839	20050311
US2005269817 AA	20051208	US20050197613	20050804
US2008056532 AA	20080306	US20070928194	20071030

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US8019115 BB	20110913	US20080029108	20080211
WO04088905 A2	20041014	WO2004US09516	20040326
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Priority:

US20030458088P 20030327 US20030483746P 20030630 US20040810000 20040326
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US20050197613 20050804 US20070913931P 20070425 US20070928194 20071030
US20080029108 20080211 CA20082628769 20080410

Probable Assignee: GRAPHIC SECURITY SYSTEMS CORP

Assignee(s): (std): ALASIA ALFRED J ; ALASIA ALFRED V ; ALASIA ALFRED VICTOR ; ALASIA THOMAS C ; CVETKOVIC SLOBODAN ; GRAPHIC SECURITY SYSTEMS CORP

Assignee(s): WELLS FARGO BANK NATIONAL ASSOCIATION SUCCESSOR BY MERGER TO WACHOVIA BANK NATIONAL ASSOCIATION ; WELLS FARGO BANK NATIONAL ASSOCIATION SUCCESSOR BY ; ALASIA YTHOMAS C

Inventor(s): (std): ALASIA ALFRED J ; ALASIA ALFRED V ; ALASIA ALFRED V ALASIA ALFRED ; THOMAS C ALASIA ; SLOBODAN CVETKOVIC ; CVETKOVIC SLOBODAN ; CVETKOVIC SLOBADON ; ALASIA YTHOMAS C ; ALASIA THOMAS ; ALASIA ALFRED ; ALASIA THOMAS C

Inventor(s): ALFRED J ALASIA ; ALFRED V ALASIA ; ALASIA ALFRED V ALASIA ALFRED J ALASIA THOMAS C

Agent(s): SHELSTON IP PTY LTD; SHELSTON IP; BERESKIN AND PARR LLP; BERESKIN AND PARR; TOWNSEND STEPHEN; J MICHAEL MARTINEZ DE ANDINO ESQ HUNTON AND WILLIAMS; HUNTON AND WILLIAMS LLP INTELLECTUAL PROPERTY DEPARTMENT; HUNTON AND WILLIAMS LLP; J MICHAEL MARTINEZ DE ANDINO ESQ HUNTON AND WILLIAMS LLP

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 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 NA NE NI NL NO NZ OM PG PH PL PT RO RS 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

23) Family number: 58582850 (US2015054930A)

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Title: SYSTEMS, METHODS, AND DEVICES FOR ASSESSING MICROBIOTA OF SKIN

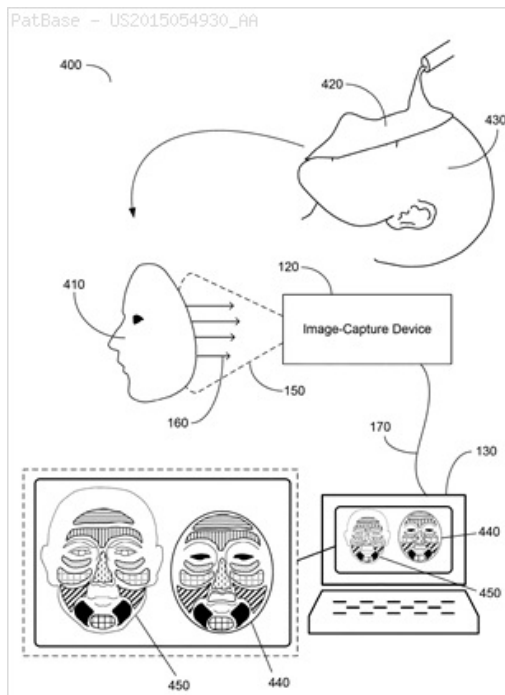
Abstract: Devices, systems, and methods for assessing microbiota of skin are described which include: a skin-covering material with an inner surface conforming in shape to a topography of a skin surface and including a microbe-capture region; an image-capture device to capture a least one image of the inner surface of the skin-covering material and to transform the captured at least one image into a digital output including information associated with at least one property and a spatial distribution of at least one type of microbe bound to the microbe-capture region; and a computing device including circuitry configured to receive the digital output from the image-capture device, compare the at least one property of the at least one type of microbe with a database of reference microbe properties, and generate a digital profile including the at least one property and the spatial distribution of the at least one type of microbe bound to the microbe-capture region of the skin-covering material.

Classifications:

International (IPC 8-9): A45D34/00 A61B1/00 A61B10/00 A61B10/02 A61B19/00 A61B5/00 A61B90/00 A61F13/15 A61H33/00 A61M35/00 A61M5/172 C12Q1/02 C12Q1/04 G01N33/53 G01N33/569 G06F17/30 G06F19/00 G06F19/10 G06K9/00 G06Q50/22 G16H20/10 G16H30/40 G16H50/20 (Advanced/Invention); A61B5/00 G01N33/569 G06F19/00 G06K9/00 G16H50/20 (Advanced/Non-invention)

CPC: G06K9/00134 A61B5/4836 A61H33/00 A61B5/444 G01N15/0612 A45D44/00 A45D2044/007 G01N2001/028 A61B10/0283 A61B2010/0216 A61B2010/0208 A61H35/00 A61H35/008 A61H2201/501 A61H2201/5058 A61H2201/5092 A61H2201/5097 A61H2230/655 A61M35/003 G01N33/569 A61B5/0004 A61B5/4839 C12Q1/04 G01N2800/20 G01N2800/52 A61B10/00 A61B5/441 A61B5/6814 A61B5/0077 A61B5/6803 A61B90/98 A61B2090/3941 A61B2090/3975 A61B2562/0233 A61B90/39 A61B2090/3937 A61B2090/395 A61M2207/10 A61B10/02 A61B5/443 A61B5/0071 A61B5/7271 A61B5/74 A61B5/486 A61B2010/0225 A61B5/445 G01N33/56911 G01N33/56938 A61M35/00 G06F19/321 G06F19/3462 G16H50/20 Y02A90/26 G16H30/40 G16H20/10 G16H20/13 G16H30/20 G06F16/2455 G06F16/242 G16C20/30 G16C20/50 G06F17/30595 G06F19/00 G06F17/30389 G06F16/284 G06F19/34

US: 1/1 348/135 348/77 600/306 600/407 600/476 600/562 600/569 600/570 600/572 604/289 604/290 604/310 702/19 707/756



Family:

Publication number	Publication date	Application number	Application date
EP3035993 A1	20160629	EP20140838160	20140821

EP3035993 A4	20170426	EP20140838160	20140821
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EP3035994 A4	20170503	EP20140838524	20140821
EP3035994 B1	20190417	EP20140838524	20140821
EP3036338 A1	20160629	EP20140837532	20140820
EP3036338 A4	20170426	EP20140837532	20140820
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WO15027055 A1	20150226	WO2014US52077	20140821
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WO15027061 A1	20150226	WO2014US52086	20140821

Priority:

US20130975067	20130823	US20130975055	20130823	US20130091762	20131127
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US20160370668	20161206	US20160386499	20161221	US20170690604	20170830
US20180192605	20181115				

Probable Assignee: ELWHA LLC

Assignee(s): (std): BAYM MICHAEL H ; ELWHA LLC ; WOOD LOWELL L JR ; LEUTHARDT ERIC C ; ELWHA LLC A LTD
LIABILITY CO OF STATE OF DELAWRE

Assignee(s): WOOD LOWELL L ; ELWHA LLC A LIABILITY CO OF STATE OF DELAWARE LTD ; ELWHA LLC A LIABILITY
CO OF STATE OF DELAWRE LTD

Inventor(s): (std): BANGERA MAHALAXMI G ; BANGERA MAHALAXMI GITA ; BAYM MICHAEL H ; HYDE RODERICK A ; KARE
JORDIN T ; LEUTHARDT ERIC C ; MCKNIGHT GARY L ; PAN TONY S ; SHARADIN KATHERINE E ;
SWEENEY ELIZABETH A ; TEGREENE CLARENCE T ; WOOD JR LOWELL L ; WOOD LOWELL L JR

Inventor(s): WOOD LOWELL L ; WOOD JR

Agent(s): D YOUNG AND CO LLP; MALASKA STEPHEN L 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 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

24) Family number: 57553323 (US2017165997A)

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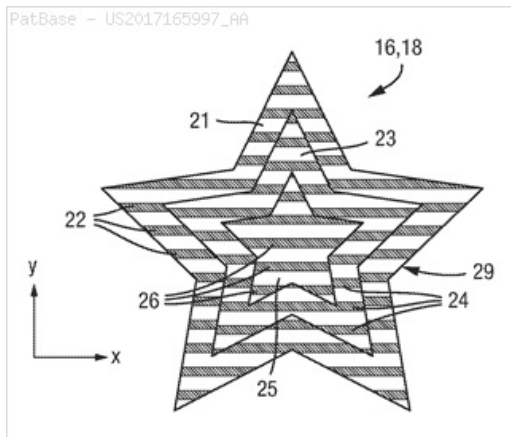
Title: SECURITY DEVICE AND METHOD OF MANUFACTURE THEREOF

Abstract: A security device including a transparent substrate having opposing first and second surfaces; a first focusing element array disposed on the first surface of the transparent substrate; a second focusing element array disposed on the second surface of the transparent substrate; a first image array disposed on or in the transparent substrate in a first image array plane and configured to co-operate with the first focusing element array to exhibit an optically variable effect when viewed from a first side of the security device; and a second image array disposed on or in the transparent substrate in a second image array plane configured to co-operate with the second focusing element array to exhibit an optically variable effect when viewed from a second side of the security device. At least the first image array is configured to exhibit a first static macroimage when viewed from the second side of the device.

Classifications:

International (IPC 8-9): B42D25/21 B42D25/29 B42D25/324
B42D25/342 B42D25/351 B42D25/355 B42D25/373 B42D25/425
B42D25/45 (Advanced/Invention)

CPC: B42D25/29 B42D2033/04 B42D2035/20 B42D2035/36
B42D25/342 B42D25/21 B42D25/355 B42D25/324 B42D25/351
B42D25/373 B42D25/425 B42D25/45

**Family:**

Publication number	Publication date	Application number	Application date
AU2015295046 AA	20170209	AU20150295046	20150728
DE602015024361 D1	20190307	DE201560024361T	20150728
EP3174730 A1	20170607	EP20150744328	20150728
EP3174730 B1	20190206	EP20150744328	20150728
GB201413473 A0	20140910	GB20140013473	20140730
GB201513287 A0	20150909	GB20150013287	20150728
GB2531863 A1	20160504	GB20150013287	20150728
GB2531863 B2	20170913	GB20150013287	20150728
MX2017001230 A1	20170501	MX20170001230	20150728
US2017165997 AA	20170615	US20150325830	20150728
WO16016638 A1	20160204	WO2015GB52182	20150728

Priority:

GB20140013473 20140730 EP20150744328 20150728 WO2015GB52182 20150728

Probable Assignee: DE LA RUE INT LTD

Assignee(s): (std): DE LA RUE INT LTD ; RUE DE INT LTD

Assignee(s): DE LA RUE INT BASINGSTOKE LTD ; LA RUE INT DE LTD

Inventor(s): (std): HOLMES BRIAN WILLIAM ; BRIAN WILLIAM HOLMES

Agent(s): DAVIES COLLISON CAVE PTY LTD; GILL JENNINGS AND EVERY 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 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

25) Family number: 33462270 (EP1616288A4)

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Title: LASER SCANNING DEVICE FOR PRINTED PRODUCT IDENTIFICATION CODES

Abstract: A method of enabling entry of data into a computer system via a printed form is provided. The method comprises the steps of: (i) providing the printed form, the form containing human-readable information and machine-readable coded data, the coded data being indicative of an identity of the form and of a plurality of locations on the form; (ii) operatively positioning a sensing device relative to the form; (iii) sensing at least some of the coded data; (iv) generating indicating data using the sensed coded data, the indicating data being indicative of the identity of the form and the position of the sensing device relative to the form; and (v) sending the indicating data to a computer system, thereby enabling the computer system to identify the data for entry. The coded data comprises an ink composition containing an IR-absorbing dye and a singlet oxygen quencher.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 H04N5/355 H04N5/365 H04N5/374 H04N5/3745 H04N5/376 H04N5/378 (Advanced/Invention); G06K9/20 (Advanced/Non-invention); G06K9/20 (Core/Non-invention)

International (IPC 1-7): G06K9/18 G06K9/20 G06K9/22

CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06Q10/00 G06Q20/20 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N5/33 G06K7/10722 G06K7/10772 G06Q30/02 H04N3/1568 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378

European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00 G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C H04N5/374B H04N5/376A H04N5/378 T04N5/33

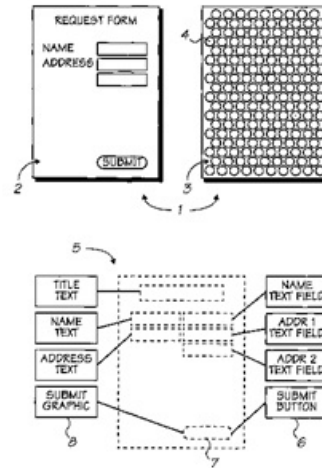


FIG. 1

Family:

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Priority:

AU20030901617	20030407	AU20030901795	20030415	AU20040227423	20040402
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AU20070231653	20071025	AU20070231657	20071025	AU20070231656	20071025
AU20070231655	20071025	AU20070231655	20071025	AU20070231658	20071025

Probable Assignee: SILVERBROOK RES PTY LTD**Assignee(s):** (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD**Assignee(s):** SILVERBROOK RESEARCH PTY LIMITED ; SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK**Inventor(s):** (std): SILVERBROOK KIA ; RUSMAN JAN ; LAPSTUN PAUL**Inventor(s):** JAN RUSMAN ; KIA SILVERBROOK ; PAUL LAPSTUN**Agent(s):** SILVERBROOK RESEARCH PTY LTD**Designated states:** AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR**26) Family number: 30787810** (US2003126136A)

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Title: SYSTEM AND METHOD FOR KNOWLEDGE RETRIEVAL, MANAGEMENT, DELIVERY AND PRESENTATION

Abstract: The present invention is directed to an integrated implementation framework and resulting medium for knowledge retrieval, management, delivery and presentation. The system includes a first server component that is responsible for adding and maintaining domain-specific semantic information and a second server component that hosts semantic and other knowledge for use by the first server component that work together to provide context and time-sensitive semantic information retrieval services to clients operating a presentation platform via a communication medium. Within the system, all objects or events in a given hierarchy are active Agents semantically related to each other and representing queries (comprised of underlying action code) that return data objects for presentation to the client according to a predetermined and customizable theme or "Skin." This system provides various means for the client to customize and "blend" Agents and the underlying related queries to optimize the presentation of the resulting information.

Classifications:

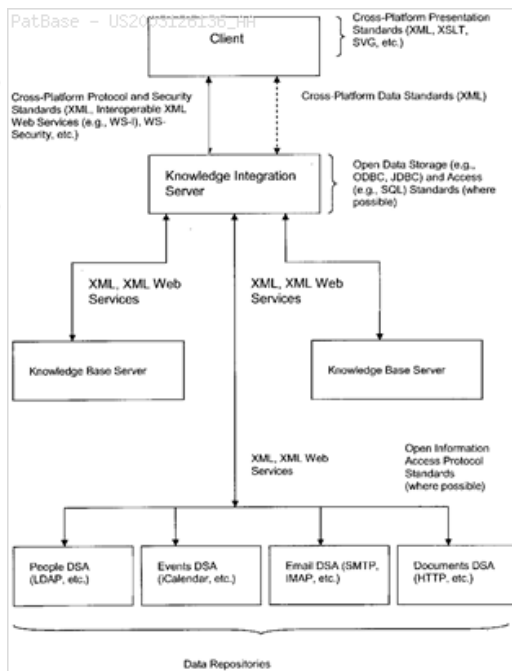
International (IPC 8-9): G06F15/16 G06F17/00 G06F17/30 G06F17/40 G06F7/00 G06N5/02 G06N5/04 G06N7/00 G06N7/08 G08B13/14 H01L21/00 H01L27/14 H01L27/146 H01L27/16 H01L31/10 H01L31/18 H04L29/06 H04L29/08 H04N1/00 H04N5/335 H04N9/07 (Advanced/Invention); G06F17/30 G06F17/40 H01L27/146 H01L31/0352 (Advanced/Non-invention); G06F15/16 G06F17/00 G06F17/30 G06F17/40 G06F7/00 G06N5/00 G08B13/14 H01L21/00 H01L27/14 H01L27/146 H01L27/16 H01L31/10 H01L31/18 H04L29/06 H04L29/08 H04N5/335 H04N9/07 (Core/Invention); H01L31/0248 (Core/Non-invention); H04L (Subclass/Invention)

International (IPC 1-7): G06F17/30 G06F7/00 H01L21/00 H01L27/00 H01L27/146 H01L27/16 H01L31/00 H01L31/062 H04L

CPC: H04L67/02 H04L67/00 H04L29/06 Y02A90/22 Y02A90/26 H01L27/14645 H01L27/14609 H01L27/1463 H01L27/14647 H01L31/035236 G06F16/951 G06F16/958 G06F16/30 G06F16/36 G06F16/90 G06F16/3338 G06F16/24575 G06F16/367 G06N5/02 H04L69/329 G06Q30/02 G06Q10/00

European: G06F17/30D G06F17/30S4P7C G06F17/30T G06F17/30T2P2X G06F17/30T8 G06F17/30T8G G06F17/30W1 G06F17/30W7 G06F17/30Z G06N5/02 G06Q10/00 G06Q30/02 H01L27/146A12 H01L27/146F2 H01L27/146F2M H04L29/06 H04L29/08A7 H04L29/08N H04L29/08N1 T01L27/146A4 T01L31/0352B T04L29/08N1

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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: MICRON TECHNOLOGY INC

Assignee(s): (std): HONG SUNGKWON CHRIS ; MICRON TECHNOLOGY INC ; NERVANA INC ; NERVANAN INC ; NOSA OMOIGUI ; OMOIGUI NOSA

Assignee(s): HONG SUNGKWON

Inventor(s): (std): CHRIS HONG SUNGKWON ; HONG SUNG KWON C ; OMOIGUI NOSA ; NOSA OMOIGUI ; NERVANA INC ; HONG SUNG KWON CHRIS ; HONG SUNGKWON CHRIS

Inventor(s): HONG, SUNGKWON C. ; HONG SUNGKWON

Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR; WALLIS HELEN FRANCES MARY ET AL; DAY CAROLINE MARGARET ET AL; CORDINA KEVIN JOHN ET AL; BLACK LOWE AND GRAHAM PLLC; DICKSTEIN SHAPIRO LLP; DICKSTEIN SHAPIRO MORIN AND OSHINSKY LLP; DOUGLAS CHRISTOPHER T L

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 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

27) Family number: 49151794 (US2011159921A)

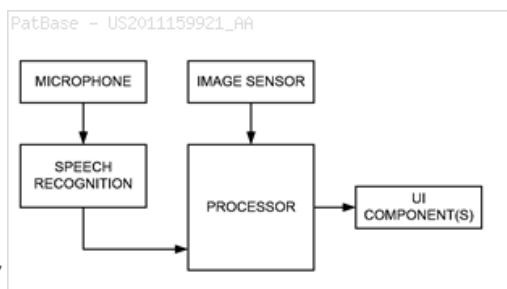
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Title: METHODS AND ARRANGEMENTS EMPLOYING SENSOR-EQUIPPED SMART PHONES

Abstract: The present technology concerns improvements to smart phones and related sensor-equipped systems. Some embodiments relate to smart phone-assisted commuting, e.g., by bicycle. Some involve novel human-computer interactions, e.g., using tactile grammars-some of which may be customized by users. Others involve spoken clues, e.g., by which a user can assist a smart phone in identifying what portion of imagery captured by a smart phone camera should be processed, or identifying what type of image processing should be conducted. Some arrangements include the degradation of captured content information in accordance with privacy rules, which may be location-dependent, or based on the unusualness of the captured content, or responsive to later consultation of the stored content information by the user. A great variety of other features and arrangements are also detailed.

Classifications:

International (IPC 8-9): G01C22/00 G01D21/00 G01D21/02 G01S3/802 G01V3/08 G06F17/30 G06F3/048 G06F3/0484 G06F3/0488 G06F3/16 G06F9/50 G06K9/00 G06K9/18 G06K9/20 G06K9/36 G06K9/62 G06Q10/10 G06Q30/02 G06Q30/06 G08B1/08 G10L15/00 G10L15/22 G10L15/24 G10L15/26 G10L17/00 G10L21/00 G10L21/02 G10L21/0208 H04M1/00 H04M1/02 H04M1/725 H04N5/225 H04N5/232 H04N5/335 H04N5/351 H04N7/00 H04R3/00 H04W4/02 H04W72/02 H04W88/02 (Advanced/Invention); G06F17/27 G06F17/28 G06F17/30 G06F7/04 G06T15/00 G08B13/00 G08B21/00 G08B23/00 G09G5/00 G10L13/00 G10L21/00 H04M19/04 H04N5/225 H04N5/232 H04N5/76 H04N7/14 (Advanced/Non-invention) **CPC:** G06K9/6253 G10L15/24 G10L21/0208 G10L19/018 G06K9/6217 G06K9/00268 H04M1/72569 H04M19/047 H04M2250/02 H04M2250/10 H04M2250/12 H04M2250/52 H04M2250/74 G10L15/26 G06K9/00973 G06Q30/0281 G06Q30/06 H04M1/72563 G06F3/04842 G06F3/04847 G06F3/0488 G06F9/50 G06K9/00335 G06K9/6202 G10L15/22 G10L17/005 H04M1/72583



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Family:

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WO11116309 A1	20110922	WO2011US29038	20110318

Priority:

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Probable Assignee: DIGIMAR CORP

Assignee(s): (std): ALLER JOSHUA V ; CONWELL WILLIAM Y ; DAVIS BRUCE L ; RODRIGUEZ TONY F ; RHOADS GEOFFREY B ; DIGIMARC CORP ; TAYLOR MARY ELIZABETH ; SHAW GILBERT B

Assignee(s): DIGIMARC BEAVERTON CORP ; DIGIMAR CORP

Inventor(s): (std): DAVIS BRUCE L ; RODRIGUEZ TONY F ; CONWELL WILLIAM Y ; RHOADS GEOFFREY B ; TAYLOR MARY ELIZABETH ; SHAW GILBERT B ; ALLER JOSHUA V ; ELIZABETH TAYLOR MARY ; CONWELL WILLIAM ; STACH JOHN

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; BOEHMERT AND BOEHMERT ANWALTSPARTNERSCHAFT MBB
PATENTANWALTE RECHTSANWALTE; HOARTON LLOYD DOUGLAS CHARLES; Hoarton Lloyd Douglas Charles; DIGIMARC CORP; CONWELL WILLIAM Y

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

28) Family number: 33275796 (US2008160226A)

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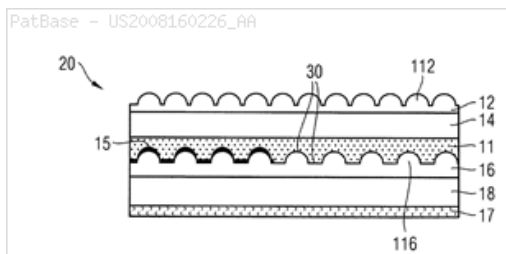
Title: SECURITY ELEMENT AND METHOD FOR THE PRODUCTION THEREOF

Abstract: The present invention relates to a security element for protecting valuable articles, having a first and a second authenticating feature. The first authenticating feature comprises a first arrangement having a plurality of focusing elements present in a first grid, and a second arrangement having a plurality of microscopic structures present in a second grid. Here, the first and second arrangement are disposed in such a way that the microscopic structures of the second arrangement are seen magnified when viewed through the focusing elements of the first arrangement. The second authenticating feature is machine and/or visually verifiable and is not influenced by the first arrangement of the first authenticating feature.

Classifications:

International (IPC 8-9): B05D1/36 B32B15/00 B32B3/00 B32B7/00
B42D15/00 B42D15/10 B42D25/30 B44F1/00 B44F1/06 B44F1/12

D06N7/04 D21H D21H21/44 D21H21/48 G02B3/00
G07D7/12 (Advanced/Invention);
B05D1/36 B32B15/00 B42D15/00 B42D15/10 B44F1/00 D06N7/00
D21H21/40 G07D7/00 (Core/Invention);
D21H (Subclass/Invention)
International (IPC 1-7): B42D15/00 D21H21/48
CPC: B42D2035/24 B42D2035/44 D21H21/44 G02B3/0056
G02B3/0062 B42D2033/10 B42D15/00 B42D25/29 Y10T428/24355
Y10T428/24802 Y10T428/24917 B42D25/355 B42D25/324
B42D2033/24
European: B42D15/00C4 D21H21/44 G02B3/00A3S G02B3/00A3Z
L42D33/24 L42D35/24 L42D35/28 L42D35/44
US: 283/72 283/91 359/619 427/402 427/402S 428/141 428/141S
428/195.1 428/209 428/29 428/29P



Family:

Publication number	Publication date	Application number	Application date
AT440176 E	20090915	AT20060706800T	20060210
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CN101120139 B	20120404	CN200680005066	20060210
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DE102005028162 A1	20061228	DE200510028162	20050617
DE502006004586 D1	20091001	DE200650004586T	20060210
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EP1853763 B2	20180627	EP20060706800	20060210
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IN270531 B	20160101	IN2007DN06397	20070817
JP2008529851 T2	20080807	JP20070555503T	20060210
JP5424564 B2	20140226	JP20070555503T	20060210
RU2007134087 A	20090327	RU20070134087	20060210
RU2395400 C2	20100727	RU20070134087	20060210
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TH83950 A	20070405	TH20061000704	20060217
US2008160226 AA	20080703	US20060816514	20060210
US8778481 BB	20140715	US20060816514	20060210
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Priority:

DE200510007749 20050218 DE200510028162 20050617 WO2006EP01169 20060210

Probable Assignee: GIESECKE AND DEVRIENT CURRENCY TECHNOLOGY GMBH

Assignee(s): (std): DICHTL MARIUS ; GIESECKE AND DEVRIENT GMBH ; GIESECKE AND DEVRIENT GMBH ; KAULE WITTICH ; HEIM MANFRED ; HOFFMUELLER WINFRIED ; HOFFMULLER WINFRIED ; GIESECKE DEVRIENT CURRENCY TECH GMBH

Assignee(s): GIZEKE UND DEVRIENT GMBKH ; GIZEKE U DEVRIENT GMBKH ; GIESECKE AND DEVRIENT CURRENCY TECHNOLOGY GMBH

Inventor(s): (std): DICHTL MARIUS ; DIKHTL MARIUS ; HEIM MANFRED ; HOFFMUELLER WINFRIED ; HOFFMULLER WINFRIED ; MANFRED HEIM ; WINFRIED HOFFMUELLER ; MARIUS DICHTL ; KHAJM MANFRED ; KAULE VITTIKH ; KHOFFMJULLER VINFRID ; WITTICH KAULE ; KAULE WITTICH

Inventor(s): WINFRIED HOFFMULLER ; DIKHTL' MARIUS

Agent(s): CULLENS PTY LTD; SPRUSON AND FERGUSON; CULLENS PATENT AND TRADE MARK ATTORNEYS; ZEUNER SUMMERER STUETZ; GE BO; GREENLEE WINNER AND SULLIVAN P C; LATHROP AND GAGE LLP

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 HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

29) Family number: 42102491 (US2008192988A)

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Title: MULTIBIOMETRIC MULTISPECTRAL IMAGER

Abstract: A skin site of an individual is illuminated and light scattered from the skin site under multispectral conditions is received. The light includes light scattered from tissue beneath a surface of the skin site. Multiple biometric modalities are derived from the received light. The biometric modalities are fused into a combined biometric modality that is analyzed to perform a biometric function.

Classifications:

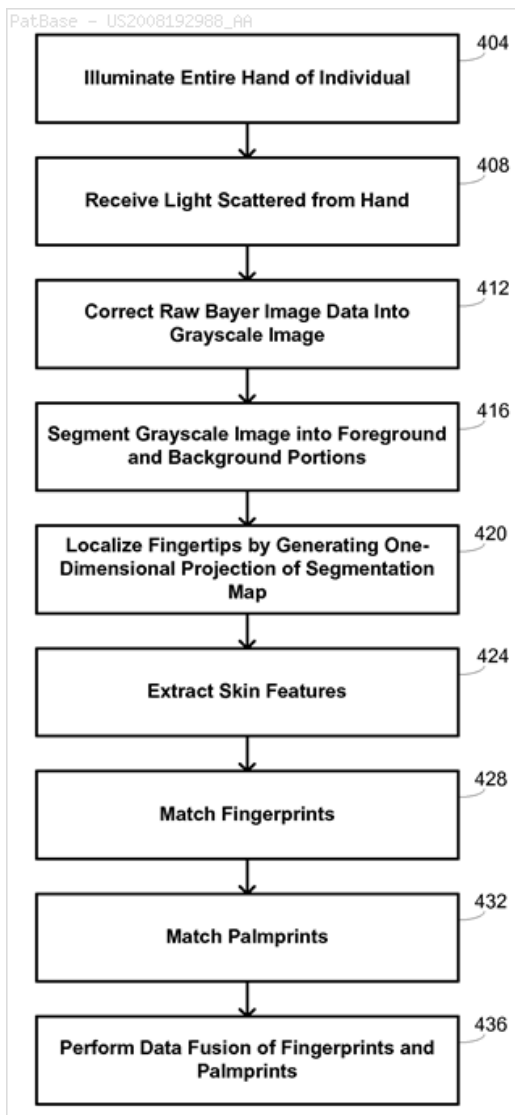
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H04K1/00 (Advanced/Invention);
A61B5/117 G06F21/00 G06K9/00 G06T1/00 G06T7/00
H04K1/00 (Core/Invention);
G06K H04K (Subclass/Invention)

International (IPC 1-7): G06K9/00

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European: G06K9/00A1 G06K9/00A1D G06K9/00A1G G06K9/00H2
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US: 340/5.53 340/5.83 382/115 382/115P 382/115S 382/116
382/124 382/124P



Family:

Publication number	Publication date	Application number	Application date
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KR101349892 B1	20140113	KR20097003306	20070719
KR20090032128 A	20090331	KR20097003306	20070719
US2008192988 AA	20080814	US20070779998	20070719
US2009046903 AA	20090219	US20080100597	20080410
US2009080709 AA	20090326	US20080136475	20080610
US2009245591 AA	20091001	US20080136435	20080610
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WO08100329 A2	20080821	WO2007US73894	20070719
WO08100329 A3	20081009	WO2007US73894	20070719

WO08154589 A3	20081218	WO2008US66585	20080611
WO13142516 A1	20130926	WO2013US33008	20130319

Priority:

US2006083223P	20060719	US20070911007P	20070410	US20070943207P	20070611
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WO2013US33008	20130319	US20140226600	20140326		

Probable Assignee: HID GLOBAL CORP

Assignee(s): (std): CORCORAN STEPHEN P ; ENNIS MATTHEW ; ENNIS MATTHEW S ; LUMIDIGN INC ; LUMIDIGN INC ; NIXON KRISTIN A ; ROWE ROBERT K ; ULUDAG UMUT ; MARTIN RYAN

Assignee(s): HID GLOBAL CORP

Inventor(s): (std): CORCORAN STEPHEN P ; ENNIS MATTHEW ; ENNIS MATTHEW S ; MARTIN RYAN ; MATTHEW ENNIS ; NIXON KRISTIN A ; ROWE ROBERT K ; ULUDAG UMUT ; SPENCE WILLIAM J ; BUTLER PAUL ; UMUT ULUDAG

Inventor(s): PAUL BUTLER ; WILLIAM J SPENCE ; STEPHEN P CORCORAN ; ROBERT K ROWE ; ROWE ROBERT ; NIXON KRISTIN

Agent(s): GILL DAVID ALAN; DTS ZUERICH; SANFORD TCOLB AND CO; DR SHLOMO COHEN AND CO; TOWNSEND AND TOWNSEND AND CREW LLP; KILPATRICK TOWNSEND AND STOCKTON LLP; MARSH FISCHMANN AND BREYFOGLE LLP; ROBERT G; KENT A; BOUCHER PATRICK M ET AL; SANDERS JASON A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN 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

30) Family number: 51555716 (US2015146297A)

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Title: SECURITY DEVICES AND METHODS OF MANUFACTURE THEREFOR

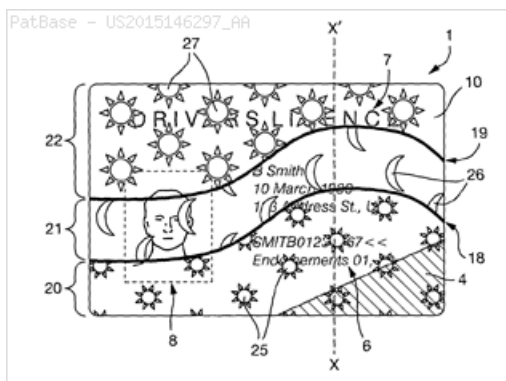
Abstract: An aspect of the invention provides a security device including an array of printed lenses arranged on a first surface of a substrate and a microimage array underlying the array of printed lenses, whereby a synthetic image of portions of the microimages is generated by the lenses. The security device further comprises at least one tactile element arranged on the first surface of the substrate which is of greater or lesser height than the printed lenses, the at least one tactile element being registered to the array of printed lenses.

Classifications:

International (IPC 8-9): B42D15/00 B42D25/30
G02B3/00 (Advanced/Invention)

CPC: B42D25/324 B42D25/30 G02B3/0006 G02B3/0031 B42D25/29
B42D25/21 B42D25/328 B42D25/333 B42D25/342 B42D2033/24
B42D2035/20 B42D2035/44

US: 359/619 359/627 427/7



Family:

Publication number	Publication date	Application number	Application date
AU2013257852 AA	20131114	AU20130257852	20130508
EP2849953 A1	20150325	EP20130722016	20130508
GB201208137 A0	20120620	GB20120008137	20120510
GB201308234 A0	20130612	GB20130008234	20130508
GB2503783 A1	20140108	GB20130008234	20130508
MX2014013611 A1	20150212	MX20140013611	20130508
US2015146297 AA	20150528	US20130400051	20130508
WO13167887 A1	20131114	WO2013GB51188	20130508

Priority:

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US20130400051	20130508				

Probable Assignee: DE LA RUE INT LTD

Assignee(s): (std): RUE DE INT LTD

Assignee(s): DE LA RUE INT LTD ; LA RUE INT DE LTD ; LA RUE INTERNATIONAL DE LIMITED

Inventor(s): (std): GREEN STEPHEN BANISTER ; COMMANDER LAWRENCE GEORGE ; SUGDON MATTHEW

Inventor(s): LAWRENCE GEORGE COMMANDER ; MATTHEW SUGDON ; STEPHEN BANISTER GREEN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SKONE JAMES ROBERT EDMUND; GILL JENNINGS AND EVERY 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 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: Smart bathroom fixtures and systems

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

Classifications:

International (IPC 8-9): A45C1/06 A45C13/18 A47K3/28 A61B5/00

A61F2/14 A61H33/00 A63F13/80 A63F9/00 A63F9/24 A63H30/04

B62D1/00 B64F1/36 E03C1/05 E03D3/00 E03D5/10 E03D9/00

E04H1/12 E05B47/00 E05B65/00 G02B23/12 G02B27/00 G02B27/01

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G02C11/06 G02C7/02 G02C7/04 G02C7/10 G02C9/00 G02F1/01

G03B1/00 G03B13/02 G03B13/04 G03B13/06 G03B13/16 G03B15/02

G03B15/05 G03B15/08 G03B17/18 G03B17/48 G03B17/56

G03B19/00 G03B29/00 G03B33/08 G03B43/00 G03B7/00

G04G21/04 G04G9/00 G04G99/00 G05B11/16 G05B19/00

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G06F19/00 G06F3/00 G06F3/01 G06F3/02 G06F7/00 G06F7/04

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H04N7/15 H04N7/18 H04N9/12 H04Q1/00 H04Q9/00 H04R1/40

H04R25/00 (Advanced/Invention);

A63H30/04 G02B27/00 G06T1/00 H04N5/92 H04N7/15 (Advanced/Non-invention);

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A63H30/00 (Core/Non-invention)

International (IPC 1-7): A45C1/06 A45C13/18 A47K3/28 A61B5/00

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345/9 348/115 348/143

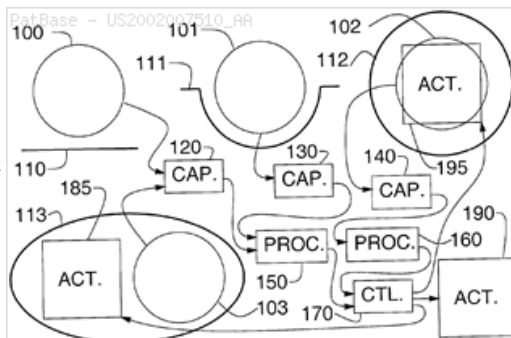
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Probable Assignee: MANN WILLIAM S G

Assignee(s): (std): MANN W S G ; MANN W STEPHAN G ; MANN W STEPHEN G ; STEPHEN G MANN W ; MANN W STEVE G ; MANN WILLIAM S G ; MANN WILLIAM STEPHEN GEORGE ; MANN STEVE

Assignee(s): W STEPHEN G MANN ; MANN W ; WILLIAM STEPHEN GEORGE MANN

Inventor(s): (std): W STEPHEN G MANN ; MANN WILLIAM STEPHEN GEORGE ; MANN W STEVE G ; MANN W STEPHEN G ; MANN STEVE G ; MANN STEVE

Inventor(s): MANN W ; WILLIAM STEPHEN GEORGE MANN

Agent(s): SMART AND BIGGAR; NA

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

32) Family number: 53122864 (US2013048722A)

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Title: METHODS AND ARRANGEMENTS FOR SENSING IDENTIFICATION INFORMATION FROM OBJECTS

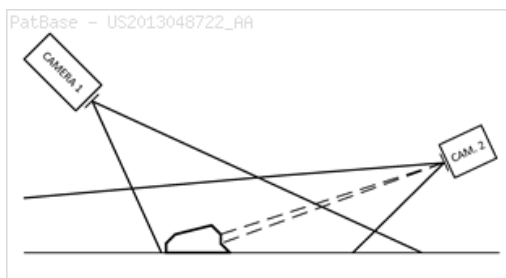
Abstract: In one arrangement, retail product packaging is digitally watermarked over most of its extent to allow machine identification by one or more inexpensive cameras at retail checkouts. Such a system also considers image fingerprints, product configuration, barcodes and other available information in identifying products. Imagery captured by conventional or plenoptic cameras is processed to derive several perspective-transformed views, which are provided to the identification system-increasing throughput by minimizing the need to manually reposition items for identification. Crinkles and other deformations in product packaging are optically sensed, allowing the surface to be virtually flattened to aid identification. A marked conveyor belt at the checkout station increases speed and accuracy, and provides other benefits to both shoppers and sellers. A great variety of other features are also detailed.

Classifications:

International (IPC 8-9): G01B11/00 G06K15/00 G06K19/00 G06K7/10 G06K7/14 G06K9/00 G06K9/20 G06K9/32 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06T1/00 G06T3/00 G06T5/00 G06T7/00 G06T7/10 G06T7/194 G06T7/73 G07G1/00 G07G1/06 G07G1/12 (Advanced/Invention); G06F3/147 G06K17/00 G06K7/14 G06Q10/08 G06Q20/20 G06Q30/06 (Advanced/Non-invention)

CPC: G06K9/00201 G06K9/3216 G06K2009/3225 G06T3/00 G06T1/0064 G06K9/00 G06K7/1443 G06K7/1452 G07G1/0045 G06K2209/25 G06T1/005 G06K9/3233 G06T2201/0051 G06T2201/0065 G06Q30/00 G06T5/006 G06T7/0004 G06T2207/10016 G06T2207/10021 G06T2207/10024 G06K7/1456 G06F3/147 G06Q10/08 G06Q30/0601 G07G1/06 G07G1/0009 G07G1/12 G06K9/2054 G06Q10/087 G06Q20/201 G06Q20/208 G07G1/0063 G06K9/4671 G06T7/0042 G07G1/0036 G06K9/00664 G06T7/10 G06T7/194 G06T7/73 G06K9/00671 G06K9/18 G06K9/209 G06K9/46 G06K9/00771 G06K7/10861 G06K9/78

US: 1/1 235/375 235/383 235/454 235/462.01 235/462.08 382/100 705/23



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: DIGIMARC CORP**Assignee(s):** (std): CONWELL WILLIAM Y ; DIGIMARC CORP ; DAVIS BRUCE L ; RHOADS GEOFFREY B ; REED ALASTAIR M ; FILLER TOMAS ; GERLACH REBECCA L ; LORD JOHN D ; EVANS ERIC D ; BAI YANG ; BOUNKETH BENJAMIN B ; BRANDIS ROBERT CRAIG ; RODRIGUEZ TONY F ; STACH JOHN**Assignee(s):** CALHOON SEAN ; FOOTEN MARC G ; MACINTOSH BRIAN T**Inventor(s):** (std): BAI YANG ; BOUNKETH BENJAMIN B ; BRANDIS ROBERT CRAIG ; CALHOON SEAN ; CONWELL WILLIAM Y ; DAVIS BRUCE L ; EVANS ERIC D ; FILLER TOMAS ; FOOTEN MARC G ; GERLACH REBECCA L ; LORD JOHN D ; REED ALASTAIR M ; RHOADS GEOFFREY B ; RODRIGUEZ TONY F ; STACH JOHN ; STACH JOHN F ; MACINTOSH BRIAN T**Agent(s):** OYEN WIGGS GREEN AND MUTALA LLP; HOARTON LLOYD DOUGLAS CHARLES; DIGIMARC CORP; CONWELL WILLIAM Y**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**33) Family number: 56253928** (US2014105449A)

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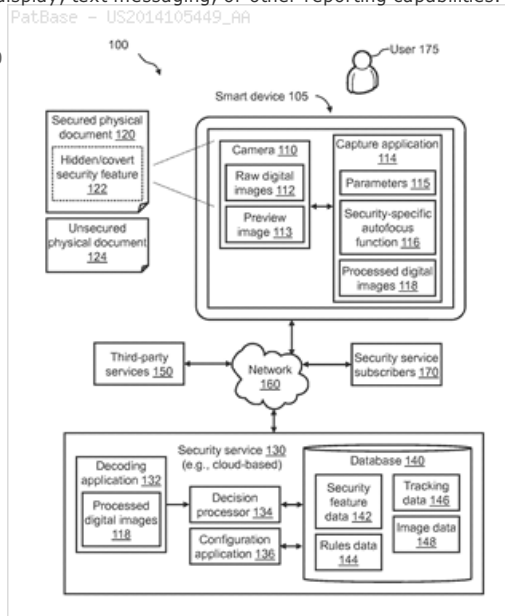
Title: SYSTEM AND METHOD FOR ANALYSIS AND AUTHENTICATION OF COVERT SECURITY INFORMATION USING A SMART DEVICE

Abstract: A system and method for hidden security feature detection, analysis and authentication using a smart device is disclosed. The smart device can detect and analyze hidden security features using the camera capability of the smart device to capture a digital image, and then analyze and authenticate that image using a security service including a database of security feature data, processing rules, and other information. The security service can support a variety of smart devices and security features. The smart device includes a security-specific autofocus function that allows the smart device to be positioned within a range of distances and angles from a target document that includes hidden/covert security feature(s). The smart device can display an enhanced image showing the hidden security feature(s) and/or report if the security feature is valid or invalid, along with related information, via beeps, vibration, display, text messaging, or other reporting capabilities.

Classifications:

International (IPC 8-9): G06F21/30 G06F21/34 G06F21/36 G06F21/60 G06K19/06 G06K19/14 G06K9/00 G06Q20/20 G06Q30/00 G06T1/00 G07D7/20 (Advanced/Invention); H04N7/14 (Advanced/Non-invention)

CPC: G06F21/34 G06K19/06037 G06K19/14 G06Q30/018 G06Q20/204 G06T1/0021 G06K19/06178 G07D7/004 G06F21/608 G06F21/36

US: 1/1 382/100 705/17**Family:**

Publication number	Publication date	Application number	Application date
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US2015302421 AA	20151022	US20150696499	20150427
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Priority:

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 US20150696499 20150427

Probable Assignee: DOCUMENT SECURITY SYSTEMS INC**Assignee(s):** (std): DOCUMENT SECURITY SYSTEMS INC**Inventor(s):** (std): ACTON NICOLE ; CAULLEY JAESON ; WICKER DAVID ; WHITE PATRICK ; TRUEBLOOD TIMOTHY ; ROY MICHAEL ; CATON MICHAEL**Agent(s):** READ MATTHEW CHARLES; MCDONNELL BOEHNNEN HULBERT AND BERGHOFF LLP; COOK JUSTIN M**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: DIGITAL WATERMARKING IMAGE SIGNALS ON-CHIP AND PHOTOGRAPHIC TRAVEL LOGS THROUGH DIGITAL WATERMARKING

Abstract: The disclosure describes methods and apparatus for providing digital watermarks in image data. One implementation embeds digital watermarks on-chip with respect to a CMOS or CCD image array. Some implementations introduce a watermark component during image capture, the watermark being introduced through variations in physical characteristics of a set of pixels. Other implementations involve managing images through geo-location information embedded therein. The disclosure also describes methods and apparatus for identifying travel points through digital watermarked images. For example, an image includes location information steganographically embedded therein. The location information is used to identify or provide a map corresponding to the location information. A location on the map that is associated with the location information is visually marked with an object. In some implementations the object is the image or a thumbnail version of the image.

Classifications:

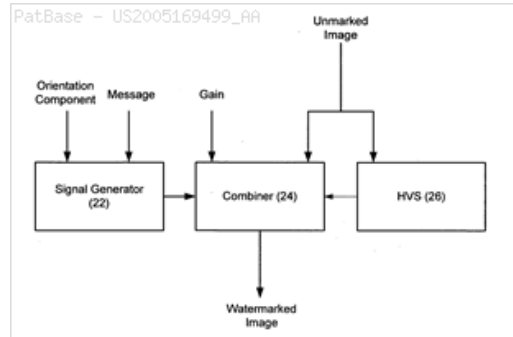
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International (IPC 1-7): G06K9/00

CPC: G01S19/14 G06T2200/28 G06T2201/0051 G06T2201/0052 H04N1/32144 H04N2201/3253 H04N1/32149 G06T1/0064 G07D7/0034 G07D7/162 G06Q10/087 G06Q10/10 G06T1/0021 G09B21/003

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Family:

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US20070877450 20071023	US20090477759 20090603	US20090564754 20090922

Probable Assignee: DIGIMARC AN OREGON CORPORATION CORP

Assignee(s): (std): DIGIMARC CORP ; RODRIGUEZ TONY F ; SHOVLVY STEVEN M ; SHOVLVY STEVEN MICHAEL ; RHOADS GEOFFREY B ; RODRIGUEZ TONY F ; HANNIGAN BRETT T ; ELLINGSON ERIC E ; BRUNDAGE TRENT J

Assignee(s): DIGIMARC (AN OREGON CORPORATION) CORP ; DIGIMARC AN OREGON CORP CORP ; DIGIMARC AN OREGON CORPORATION CORP ; DIGIMARC CORP WAS DMRC CORP ; DMRC CORP ; DMRC LLC ; DIGIMARC CORP WAS DMRC CORPORATION..

Inventor(s): (std): BRUNDAGE TRENT J ; ELLINGSON ERIC E ; HANNIGAN BRETT T ; RHOADS GEOFFREY B ; RODRIGUEZ TONY F ; RODRIGUEZ TONY F ; SHOVLVY STEVEN M ; SHOVLVY STEVEN MICHAEL

Inventor(s): BRUNDAGE TRENT ; SHOVLVY STEVEN ; RODRIGUEZ TONY ; RODRIGUEZ TONY ; RHOADS GEOFFREY ; HANNIGAN BRETT ; ELLINGSON ERIC

Agent(s): HOARTON LLOYD DOUGLAS CHARLES; DIGIMARC CORP

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

Title: PRINTED OPTICAL MEMBERS

Abstract: The device includes optical elements such as microlenses or optical fibers that are printed with liquid ink, by known scanning printing techniques such as for example flexography. Each optical element (11, 12, 13, 14) has a transparent core (111, 121, 131, 141) printed by a first ink layer, that is sufficiently distant from the closest cores so as not to amalgamate with them by coalescence, before being hardened. This core (111, 121, 131, 141) is then covered with one or

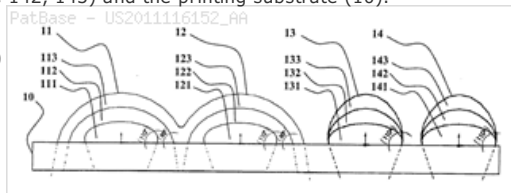
several so-called additional layers (112, 113, 122, 123, 132, 133, 142, 143) which can be flat tint layers in order to finalize the shape of the optical element in question. The section of the optical elements is determined by the difference in surface tension between said additional layers (112, 113, 122, 123, 132, 133, 142, 143) and the printing substrate (10).

Classifications:

International (IPC 8-9): B05D5/06 B41M3/00 B44C3/02 G02B17/00 G02B19/00 G02B27/02 G02B27/10 G02B27/12 G02B27/22 G02B3/00 G02B6/08 G02B6/12 G02B6/13 G02B6/13 G02B7/00 G02F1/01 G03B25/02 G06F19/12 G06F19/14 G09F19/14 (Advanced/Invention); B41M3/00 (Advanced/Non-invention); B41M3/00 B44C3/00 G02B17/00 G02B19/00 G02B27/02 G02B27/22 G02B3/00 G02B6/06 G02B6/12 G02B6/13 G02B7/00 G03B25/00 G09F19/12 (Core/Invention); B41M3/00 (Core/Non-invention)

CPC: G02B6/138 B29D11/00807 B41J2202/09 G02F1/133615 G02F1/133621 G02F2001/133607 G02F2201/58 G02F2202/14 G03B21/2006 G02B3/0056 G02B27/0025 G02B27/225 B41M3/008 B41M5/0011 G02B6/08 G02B6/1228 G02B6/13 G03B25/02 G03B35/24 G02B27/02 G02B27/22 B41M7/0054 G02B27/2214 B41M7/00 B29D11/00365 B29D11/00663 B41M3/003 B41M3/16 B41M5/0041 B41M7/0045 G02B6/0008 G02B6/1221 G02B26/005 B29D11/00278 G02B3/0012 B41M3/06 **European:** B29D11/00C6 B29D11/00C9 B29D11/00G B29D11/00J9 B41M3/00F B41M3/00R G02B26/00L1 G02B27/00K G02B27/22L G02B3/00A1 G02B3/00A3S G02B6/00L4E G02B6/08 G02B6/122C G02B6/122T G02B6/13 G02B6/138 G03B21/20B G03B25/02 G03B35/24 L41J202/09 L41M3/16 L41M5/00D L41M5/00S L41M7/00 L41M7/00E L41M7/00F L41M7/00R S02B207/115 S02B27/02 S02B27/22 S02B27/22S S02B3/00A1 S02F1/1336B4C S02F1/1336Q S02F201/58 S02F202/14

US: 359/242 359/242P 359/619 359/619S 359/621 427/162 427/162S



Family:

Publication number	Publication date	Application number	Application date
EP2291691 A2	20110309	EP20090757729	20090513
EP2291691 B1	20170222	EP20090757729	20090513
EP3185051 A2	20170628	EP20170155702	20090513
EP3185051 A3	20170913	EP20170155702	20090513
FR2931252 A1	20091120	FR20080004981	20080911
FR2931252 A3	20091120	FR20080004981	20080911
FR2931256 A1	20091120	FR20080002636	20080515
FR2931256 A3	20091120	FR20080002636	20080515
FR2931257 A1	20091120	FR20080002556	20080513
FR2931259 A1	20091120	FR20080002821	20080526
FR2931260 A1	20091120	FR20080004067	20080717
FR2931260 A3	20091120	FR20080004067	20080717
FR2931558 A3	20091127	FR20080007499	20081230
FR2931561 A1	20091127	FR20080002819	20080526
FR2933507 A1	20100108	FR20080003831	20080707
FR2934902 A1	20100212	FR20080004451	20080805
FR2937151 A1	20100416	FR20080005642	20081013
FR2937151 A3	20100416	FR20080005642	20081013
FR2938661 A1	20100521	FR20080006433	20081118
FR2938661 A3	20100521	FR20080006433	20081118
FR2938662 A1	20100521	FR20080006434	20081118
FR2938662 A3	20100521	FR20080006434	20081118
FR2939359 A1	20100611	FR20080006855	20081208
FR2939359 A3	20100611	FR20080006855	20081208
FR2939717 A1	20100618	FR20080006995	20081212
FR2941308 A3	20100723	FR20090000222	20090119
US2011116152 AA	20110519	US20090992720	20090513
US8472118 BB	20130625	US20090992720	20090513
WO09147353 A2	20091210	WO2009FR50883	20090513
WO09147353 A3	20100218	WO2009FR50883	20090513

Priority:

FR20080002556	20080513	FR20080002636	20080515	FR20080002821	20080526
FR20080002819	20080526	FR20080003024	20080602	FR20080003831	20080707
FR20080004067	20080717	FR20080004451	20080805	FR20080004981	20080911
FR20080005222	20080923	FR20080005642	20081013	FR20080006433	20081118
FR20080006434	20081118	FR20080006855	20081208	FR20080006995	20081212
FR20080007499	20081230	FR20090000222	20090119	EP20090757729	20090513
WO2009FR50883	20090513				

Probable Assignee: GUIGAN REINHARD MARTINE NICOLE

Assignee(s): (std): GUIGAN ANTOINE ; GUIGAN ANTOINE JEAN ROGER ; GUIGAN CHARLES ; GUIGAN CHARLES ALBERT MARIE ; GUIGAN PIERRE ALEXANDRE JACOBUS ; GUIGAN FRANCK ANDRE MARIE ; GUIGAN REINHARD MARTINE NICOLE JEANNE ; GUIGAN PIERRE ALEXANDRE JACOBUS ; GUIGAN REINHARD MARTINE NICOLE ; GUIGAN MARTINE ; GUIGAN PIERRE ; GUIGAN FRANCK

Assignee(s): MARTINE NICOLE JEANNE GUIGAN REINHARD ; PIERRE ALEXANDRE JACOBUS GUIGAN ; ANTOINE JEAN ROGER GUIGAN ; CHARLES ALBERT MARIE GUIGAN ; FRANCK ANDRE MARIE GUIGAN

Inventor(s): (std): GUIGAN MARTINE ; GUIGAN PIERRE ; GUIGAN ANTOINE ; GUIGAN FRANCK ; GUIGAN CHARLES ; GUIGAN ANTOINE JEAN ROGER ; GUIGAN REINHARD MARTINE NICOLE JEANNE ; GUIGAN FRANCK ANDRE MARIE ; GUIGAN PIERRE ALEXANDRE JACOBUS ; GUIGAN CHARLES ALBERT MARIE

Inventor(s): ANTOINE JEAN ROGER GUIGAN ; MARTINE NICOLE JEANNE GUIGAN REINHARD ; PIERRE ALEXANDRE JACOBUS GUIGAN ; FRANCK ANDRE MARIE GUIGAN ; CHARLES ALBERT MARIE GUIGAN

Agent(s): THEVENET JEAN BRUNO ; DESORMIERE PIERRE LOUIS ; DAVID ALAIN ; FRANCK GUIGAN ; THE WEBB LAW FIRM ; WEBB LAW FIRM ; THEVENET JEAN BRUNO ET AL

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

Title: FLEXIBLE HEAT SEALABLE DECORATIVE ARTICLES AND METHOD FOR MAKING THE SAME

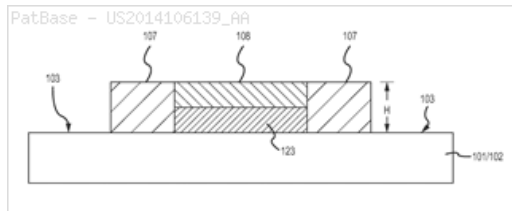
Abstract: Various flexible heat sealable decorative articles and methods of making the same are described. The flexible heat sealable decorative articles are lightweight and can be combined with other decorative elements, such as metalized films. Various decorative are mixed or combined with one another to form highly attractive flexible heat sealable decorative articles.

Classifications:

International (IPC 8-9): B23B3/00 B23K26/36 B23K26/362 B23K26/40 B23K26/402 B29C59/16 B32B15/08 B32B15/095 B32B27/00 B32B27/08 B32B27/40 B32B3/00 B32B3/14 B32B7/12 B32B9/00 B44C1/22 B44C3/02 B44C5/00 B44F1/04 C09J175/04 C09J7/02 (Advanced/Invention)

CPC: C09J2201/20 C09J2475/00 C09J2475/006 B23K26/362 B23K26/402 B29C59/16 B44C1/228 B32B15/095 B32B15/08 B32B2307/72 B32B2437/00 B32B2307/54 B32B2451/00 B44F1/045 B32B7/12 B32B27/08 B32B27/40 B32B2255/10 B32B2255/205 B32B2307/4026 B32B2307/51 B32B2307/75 B23K26/361 C09J7/25 C09J7/29 Y10T428/24843 C09J7/35

US: 1/1 264/400 428/200 428/317.3



Family:

Publication number	Publication date	Application number	Application date
■ CN104837645 A	20150812	CN201380063654	20131014
■ JP2016502470 T2	20160128	JP20150536989T	20131014
■ US2014106139 AA	20140417	US20130053399	20131014
■ US2016101601 AA	20160414	US20150948691	20151123
■ US9193214 BB	20151124	US20130053399	20131014
■ US9849652 BB	20171226	US20150948691	20151123
■ WO14059424 A2	20140417	WO2013US64871	20131014
■ WO14059424 A3	20150716	WO2013US64871	20131014

Priority:

US20120713210P 20121012	US20120714586P 20121016	US20120718329P 20121025
US20130754410P 20130118	US20130758607P 20130130	US20130760490P 20130204
US20130813945P 20130419	US20130053399 20131014	WO2013US64871 20131014
US20150948691 20151123		

Probable Assignee: HIGH VOLTAGE GRAPHICS INC

Assignee(s): (std): ABRAMS LOUIS BROWN ; HIGH VOLTAGE GRAPHICS INC

Inventor(s): (std): ABRAMS LOUIS BOWN ; ABRAMS LOUIS BROWN

Agent(s): ONDA MAKOTO; ONDA HIRONORI; SHERIDAN ROSS PC; INCORVIA MICHAEL J

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 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: SISTEMA DE APRESENTACAO DE IMAGEM E DE SEGURANCA MICROOPTICA

Abstract: Source: BRPI0520898B [PT] SISTEMA DE APRESENTACAO DE IMAGEM E DE SEGURANCA MICROOPTICA Um material de pelricula que utiliza uma malha regular bidimensional de lentes nao cilindricas para aumentar micro-imagens, denominadas icones, para formar uma imagem sinteticamente magnificada atraves do desempenho unido de uma multiplicidade de sistemas de lentes individuais/imagens de icones. O sistema micro-optico de magnificacao sintetica inclui um ou mais espacadores opticos (5), uma micro-imagem formada de uma malha planar periodica de uma pluralidade de icones de imagem (4) tendo um eixo de simetria ao redor de pelo menos um de seus eixos planares e posicionado sobre ou ao lado do espacador optico (5), e uma malha planar periodica de elementos de focalizacao do icone da imagem (1) tendo um eixo de simetria ao redor de pelo menos um de seus eixos planares, o eixo de simetria sendo o mesmo eixo planar que aquele da malha planar da micro-imagem (4). Um numero de efeitos visuais distintivos, como os efeitos de tridimensionalidade e de movimento, podem ser fornecidos pelo presente sistema.

Classifications:

International (IPC 8-9): G01N19/00 G07D7/20 (Advanced/Invention);

G01N19/00 G07D7/00 (Core/Invention)

International (IPC 1-7): G01N19/00 H01S3/00

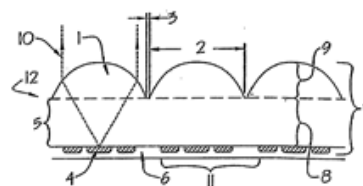


Fig. 1a

Family:

Publication number	Publication date	Application number	Application date
BRPI0503224 A	20070123	BR2005PI03224	20050601
BRPI0503224 B1	20170912	BR2005PI03224	20050601
BRPI0520898 B1	20170912	BR2005PI20898	20050601
BRPI0520899 B1	20170905	BR2005PI20899	20050601

Priority:

BR2005PI03224 20050601 BR2005PI20898 20050601

Probable Assignee: NANOVENTIONS INC**Assignee(s):** (std): NANOVENTIONS HOLDINGS LLC ; NANOVENTIONS INC ; VISUAL PHYSICS LLC**Inventor(s):** (std): STEENBLIK RICHARD A ; RICHARD A STEENBLIK ; MARK J HURT ; JORDAN GREGORY R ; HURT MARK J ; GREGORY R JORDAN**38) Family number: 53054031 (US2014077322A)**

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Title: WAVEGUIDE-BASED ENERGY CONVERTERS, AND ENERGY CONVERSION CELLS USING SAME

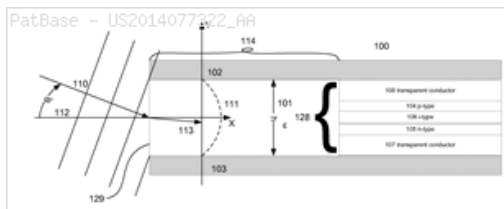
Abstract: A layered waveguide stack radiant energy converter array having a plurality of superposed waveguides, each waveguide having a core layer having a radiant energy converter disposed therein, and two cladding layers disposed on opposing sides of the core. In some embodiments the conductive layers are electrically coupled to the converter and act as charge carriers for it, and in other wires are provided for individual converters. Each waveguide has at least one inlet for passage of radiant energy therethrough, the inlet extending between the cladding layers, such that radiant energy entering the waveguide impinges on at least two layers of the waveguide, the inlet further defining a minimum cutoff frequency for the energy to propagate in the waveguide. In some embodiments such as solar panels, energy is harvested. In other embodiments energy is detected such as for example is done in a camera focal plane sensor. In some embodiments the stack is used to emit light.

Classifications:

International (IPC 8-9): B82Y40/00 G01J3/02 G01J3/28 G01J3/36 G01N21/25 G02B5/02 G02B6/02 G02B6/028 G02B6/036 G02B6/10 G02B6/12 G02B6/122 G02B6/13 G02B6/136 G02B6/24 G02B6/26 G02B6/293 G02B6/42 G02F1/00 G02F1/01 G02F1/025 G03F1/00 G07D7/12 G09F9/305 H01L27/142 H01L27/146 H01L31/0232 H01L31/04 H01L31/052 H01L31/054 H01L31/075 H01L31/12 H01Q13/02 H01Q5/314 H02M3/07 H04N5/33 H04N9/077 (Advanced/Invention); G01N21/17 G02B6/12 G02B6/122 G02B6/42 H01L27/146 H04N9/04 (Advanced/Non-invention)

CPC: H01L31/075 G02B5/0236 G02B5/0263 G02B6/305 H01L31/1085 H02M3/07 G02B6/13 G02B6/136 H01L27/142 G01J3/0205 G02B6/4291 G01J3/36 G01J2003/2826 G02B6/423 H01L31/0543 G01J3/0216 G01J3/0218 G01J3/0256 G01J3/2803 G01J3/2823 G01N2021/1772 G01N2021/1776 G01N2021/1793 H04N9/045 Y10T29/49 G07D7/12 G07D7/01 G02B6/12002 H01L27/14629 H01L31/054 H01L31/0549 Y02E10/52 Y10T307/696 G02B6/12007 G02B6/1228 G02B6/4204 G02B6/4215 G02B6/4298 F24S23/12 H01Q13/0233 H01Q13/0208 H01Q13/0275 H01Q5/314 G02B6/293

US: 1/1 204/192.34 216/24 250/227.23 257/432 257/84 29/592 307/80 348/336 385/14 385/32 385/43 427/163.2

**Family:**

Publication number	Publication date	Application number	Application date
EP2895900 A1	20150722	EP20130836565	20130909
EP2895900 A4	20160525	EP20130836565	20130909
EP2895917 A1	20150722	EP20130837603	20130909
EP2895917 A4	20160629	EP20130837603	20130909
GB201222557 A0	20130130	GB20120022557	20121214
GB2506456 A1	20140402	GB20120022557	20121214
US2014077322 AA	20140320	US20130831575	20130314

US2015228813 AA	20150813	US20130426738	20130909
US2015229852 AA	20150813	US20130425631	20130909
US2015234122 AA	20150820	US20130425500	20130909
US2015247971 AA	20150903	US20130426718	20130910
US2015277065 AA	20151001	US20130426943	20130913
US2015301275 AA	20151022	US20130426756	20130909
US2018212330 AA	20180726	US20180916176	20180308
US8530825 BA	20130910	US20120685691	20121126
US8532448 BA	20130910	US20120726044	20121222
US9112087 BB	20150818	US20130831575	20130314
US9581762 BB	20170228	US20130425631	20130909
US9823415 BB	20171121	US20130425500	20130909
US9952388 BB	20180424	US20130426756	20130909
WO14043041 A1	20140320	WO2013US58823	20130909
WO14043043 A1	20140320	WO2013US58827	20130909
WO14043044 A1	20140320	WO2013US58833	20130909
WO14043045 A1	20140320	WO2013US58836	20130909
WO14043107 A1	20140320	WO2013US59000	20130910
WO14043120 A1	20140320	WO2013US59044	20130910
WO14043146 A1	20140320	WO2013US59101	20130910
WO14058807 A1	20140417	WO2013US63741	20131007
WO14065952 A1	20140501	WO2013US59634	20130913

Priority:

US20120701687P	20120916	US20120713602P	20121014	US20120718181P	20121024
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US20130426718	20130910	WO2013US59101	20130910	WO2013US59044	20130910
US20130426943	20130913	WO2013US59634	20130913	US20150426756	20150308
US20180916176	20180308				

Probable Assignee: WERTSBERGER SHALOM

Assignee(s): (std): ENERGY CONVERSION CELLS USING TAPERED WAVEGUIDE SPECTRAL SPLITTERS ; JEFFREY ANDLE C ; WERTSBERGER SHALOM ; SOLARSORT TECHNOLOGIES INC ; CRTRIX TECH

Assignee(s): CRTRIX TECHNOLOGIES ; ANDLE C JEFFREY ; SHALOM WERTSBERGER ; WRETSBERGER SHALOM

Inventor(s): (std): ANDLE JEFFREY C ; JEFFREY ANDLE C ; WERTSBERGER SHALOM

Inventor(s): ANDLE C JEFFREY ; SHALOM WERTSBERGER

Agent(s): HARRISON IP LTD; SALTAMAR INNOVATIONS; SHALOM; CRTRIX; WERTSBERGER SHALOM

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

39) Family number: 33462048 (AU2004227422A)

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Title: SENSING DEVICE FOR CODED DATA

Abstract: A method of enabling entry of data into a computer system via a printed form is provided. The method comprises the steps of: (i) providing the printed form, the form containing human-readable information and machine-readable coded data, the coded data being indicative of an identity of the form and of a plurality of locations on the form; (ii) operatively positioning a sensing device relative to the form; (iii) sensing at least some of the coded data; (iv) generating indicating data using the sensed coded data, the indicating data being indicative of the identity of the form and the position of the sensing device relative to the form; and (v) sending the indicating data to a computer system, thereby enabling the computer system to identify the data for entry. The coded data comprises an ink composition containing an IR-absorbing dye and a singlet oxygen quencher.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)

International (IPC 1-7): G06K9/78

CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378

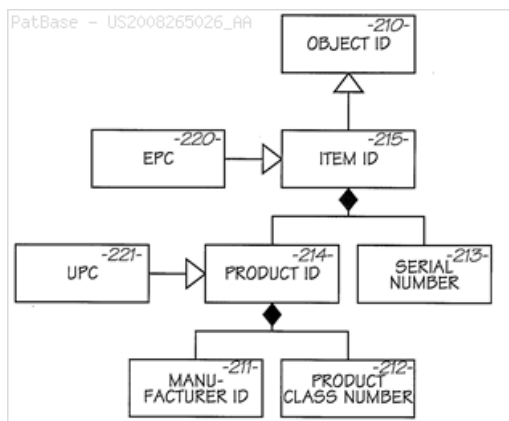
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Publication number	Publication date	Application number	Application date
■ AU2004227422 AA	20041021	AU20040227422	20040402
■ AU2004227422 BB	20061102	AU20040227422	20040402

AU20030901617 20030407 AU20030901795 20030415 WO2004AU00400 20040402
AU20040227422 20040402

Agent(s): SILVERBROOK RESEARCH PTY LTD

US: 235/385 235/385P 235/494 348/E3.021 348/E30.21S 705/26
705/26.1 705/26.100P 705/26P 705/28 705/28S



Publication number	Publication date	Application number	Application date
US2008265026 AA	20081030	US20080169619	20080708
US2008270259 AA	20081030	US20080169617	20080708

US2008272193 AA	20081106	US20080169616	20080708
US7721961 BB	20100525	US20080169616	20080708
US7934650 BB	20110503	US20080169617	20080708
US8079517 BB	20111220	US20080169619	20080708

Priority:

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US20080169619 20080708	US20080169617 20080708	US20080169616 20080708

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD

Inventor(s): (std): SILVERBROOK KIA ; LAPSTUN PAUL

Agent(s): SILVERBROOK RESEARCH PTY LTD

41) Family number: 31957524 (US2001002451A)

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Title: METHOD AND APPARATUS FOR CONTROLLING A VEHICULAR COMPONENT

Abstract: Control system and method for controlling a part of the vehicle in which sensor systems are mounted at different locations on the vehicle, each sensor system providing a measurement related to a state of the sensor system or a measurement related to a state of the mounting location. A processor coupled to the sensor systems diagnoses the state of the vehicle based on the measurements of the sensor system, e.g., by the application of a pattern recognition technique. The processor controls the part based at least in part on the diagnosed state of the vehicle. At least one of the sensor systems may be a high dynamic range accelerometer or a sensor selected from a group consisting of a single axis acceleration sensor, a double axis acceleration sensor, a triaxial acceleration sensor and a gyroscope, and may optionally include an RFID response unit.

Classifications:

International (IPC 8-9): B60C11/24 B60C19/00 B60C23/04 B60C23/06 B60J10/00 B60J7/057 B60K28/16 B60N2/00 B60N2/015 B60N2/02 B60N2/06 B60N2/28 B60N2/48 B60N2/66 B60Q1/14 B60R16/02 B60R16/037 B60R21/01 B60R22/20 E05F15/00 G01F23/00 G01F23/20 G01F23/296 G01G19/414 G01N11/00 G01N29/02 G01N33/00 G01S15/04 G01S15/42 G01S15/87 G01S15/88 G01S17/02 G01S17/88 G01S7/41 G01S7/48 G01S7/539 G06F3/023 G06K9/00 G07C5/00 G07C5/08 G08B13/14 G08B29/18 G08C19/00 H01Q1/32 (Advanced/Invention); B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015 B60R21/16 B60R21/20 B60R21/203 B60R21/215 B60R21/231 B60R21/26 B60R21/276 B60R22/28 B60R22/46 B60R22/48 G01S13/04 G01S15/06 G01S17/89 (Advanced/Non-invention); B60C11/24 B60C19/00 B60C23/02 B60C23/06 B60J10/00 B60J7/04 B60N2/00 B60N2/005 B60N2/02 B60N2/06 B60N2/26 B60N2/48 B60N2/64 B60Q1/14 B60R16/02 B60R16/037 B60R21/01 B60R22/18 E05F15/00 G01F23/00 G01F23/296 G01G19/40 G01N11/00 G01N29/02 G01N33/00 G01S15/00 G01S17/00 G01S7/02 G01S7/48 G01S7/539 G06F3/023 G06K9/00 G07C5/00 G08B13/14 G08B29/00 G08C19/00 H01Q1/32 (Core/Invention); B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015 B60R21/16 B60R21/20 B60R21/23 B60R21/26 B60R22/00 B60R22/28 B60R22/46 G01S13/00 (Core/Non-invention)

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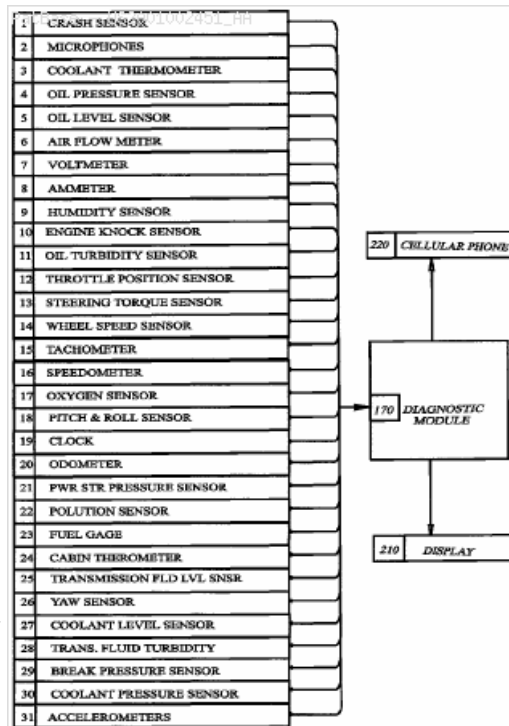
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US: 180/197 280/735 280/735S 307/9.1 340/12.25 340/13.31 340/13.310P 340/5.61 340/5.64 340/5.7 340/5.71 340/5.710S 340/7.29 340/825.22 340/825.37 340/825.69 340/825.72 455/42 455/420 455/420S 455/556.2 701/1 701/29 701/29.7 701/30.6 701/31.4 701/32.1 701/32.3 701/32.4 701/33.1 701/34 701/34.4 701/36 701/36P 701/39 701/468 701/500 73/53.01 73/53.010S 73/61.41 73/61.410P 73/625 73/625S

Family:

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US2001002451 AA	20010531	US20010753186	20010102
US2003176959 AA	20030918	US20020330938	20021227



US2005046584 AA	20050303	US20040940881	20040913
US2006180371 AA	20060817	US20060278188	20060331
US2008047329 AA	20080228	US20070924197	20071025
US6484080 BB	20021119	US20010753186	20010102
US6484080 C 1	20080819	US20010753186	20010102
US6823244 BB	20041123	US20020330938	20021227
US7663502 BB	20100216	US20040940881	20040913

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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT ; BREED DAVID S ; INTELLIGENT TECH INT INC

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

Inventor(s): (std): BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C

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

Agent(s): BRIAN ROFFE ESQ; BRIAN

42) Family number: 31576666 (US2008186205A)

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Title: WIRELESS SENSING AND COMMUNICATIONS SYSTEM OF ROADWAYS

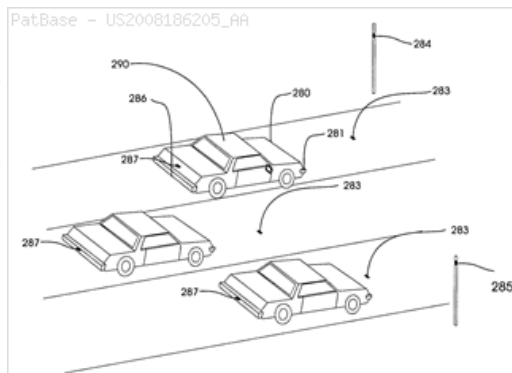
Abstract: Driving condition monitoring system for a vehicle on a roadway includes stationary mounting structures arranged proximate the roadway, and sensors located in the mounting structures in a vicinity of the roadway and apart from the roadway. The sensors generate information about the roadway or an environment around the roadway. An arrangement on the vehicle or associated with the sensors initiates a transmission of the information generated by each sensor to the vehicle when the vehicle is proximate the sensor.

Classifications:

International (IPC 8-9): B60C23/02 B65D25/00 G01C21/26 G01C21/34 G01C21/36 G01F23/28 G01F23/296 G01M17/02 G01S21/26 G05D1/02 G05D13/02 G05D27/00 G06F17/30 G06F19/00 G06K9/00 G08G1/00 G08G1/048 G08G1/0967 G08G1/137 G08G1/16 (Advanced/Invention);

B60C23/02 B65D25/00 G01C21/26 G01F23/296 G01M17/02 G05D13/00 G05D27/00 G06F17/30 G06F19/00 G06K9/00 G08C15/00 G08G1/00 G08G1/048 G08G1/123 H01F10/00 H01L43/08 H04B7/15 H04B7/26 H04L12/28 H04L12/56 (Core/Invention)

CPC: B60N2002/0272 B60C11/246 B60C19/00 B60C23/007 B60C23/008 B60C23/0411 B60C23/0413 B60C23/0449 B60C23/0493 B60C23/0494 B60C23/0496 B60C23/12 B60N2/002 B60N2/015 B60N2/0232 B60N2/0244 B60N2/0248 B60N2/0252 B60N2/0276 B60N2/067 B60N2/28 B60N2/2806 B60N2/2863 B60N2002/0268 B60Q2900/30 B60R16/037 B60R21/013 B60R21/0134 B60R21/0136 B60R21/203 B60R21/21656 B60R21/276 B60R22/20 B60R22/201 B60R25/25 B60R25/252 B60R25/255 B60R25/257 B60R2001/1223 B60R2001/1253 B60R2021/0027 B60R2021/01315 B60R2021/23153 B60R2021/26094 B60R2021/2765 B60R2022/208 B60R2022/288 B60R2022/4685 B60R2022/4825 E05Y2900/55 G01D21/00 G01S7/417 G01S7/4802 G01S7/539 G01S13/04 G01S13/755 G01S15/04 G01S15/06 G01S15/42 G01S15/87 G01S15/88 G01S17/026 G01S17/89 G06F3/0219 G06F3/0233 G06F3/0237 G06F3/0238 G07C5/0808 G08B21/0286 G10K2210/1282 G10K2210/3219 H01Q1/2241 H01Q1/3291 B60Q2300/41 B60Q2300/42 B60R25/04 B60R25/102 B60R25/2081 B60R25/305 B60R2325/304 G01F23/20 G01F23/2962 G01S7/003 G01S17/88 G06K9/00362 G06K9/00369 G06K9/00832 G08B13/1427 G08B29/181 H01Q1/225 H03H9/642 G08G1/017 B60R21/01516 B60R21/01532 B60R21/01534 B60R21/01536 B60R21/01538 B60R21/01542 B60R21/01546 B60R21/01548 B60R21/01552 B60R21/01554 B60R21/0152 B60R21/0153 B60R21/01544



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Family:

Publication number	Publication date	Application number	Application date
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US2008215202 AA	20080904	US20080061916	20080403
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US2008216567 AA	20080911	US20070928763	20071030
US2008236275 AA	20081002	US20070865363	20071001
US7603894 BB	20091020	US20070928763	20071030
US7819003 BB	20101026	US20070865363	20071001
US7899616 BB	20110301	US20080059456	20080331
US9177476 BB	20151103	US20080061916	20080403

Priority:

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US20020174709	20020619	US20020188673	20020703	US20020216633	20020809
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US20070619863	20070104	US20070681817	20070305	US20070755199	20070530
US20070778127	20070716	US20070843932	20070823	US20070865363	20071001
US20070874418	20071018	US20070928763	20071030	US20080059456	20080331
US20080062099	20080403	US20080061916	20080403	US20080062177	20080403

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AMERICAN VEHICULAR SCIENCES LLC ; AUTOMOTIVE TECH INT ; INTELLIGENT TECH INT INC ; BREED DAVID S

Assignee(s): ALPS ELECTRIC CO ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; FUJITSU LIMITED ; INTELLIGENT TECHNOLOGIES INT INC ; INTELLIGENT TECHNOLOGIES INT ; INTELLIGENT TECHNOLOGIES INTERNATIONAL INC

Inventor(s): (std): BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C

Agent(s): BRIAN ROFFE ESQ; BRIAN; MCANDREWS HELD AND MALLOY LTD

43) Family number: 32087419 (US2004263911A)

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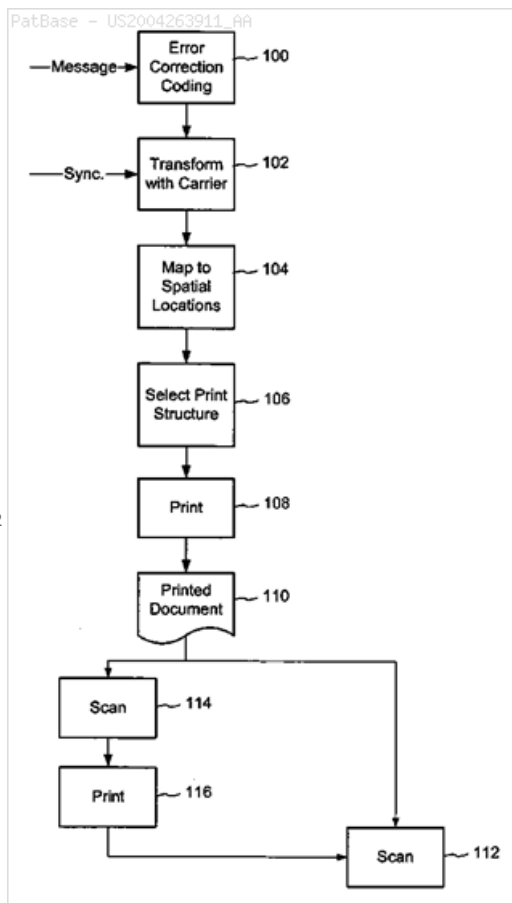
Title: AUTOMATED METHODS FOR DISTINGUISHING COPIES FROM ORIGINAL PRINTED OBJECTS

Abstract: This disclosure describes methods for using embedded auxiliary signals in documents for copy detection and other applications. In an application, the auxiliary signal is formed as an array of elements selected from a set of print structures with properties that change differently in response to copy operations. These changes in properties of the print structures that carry the embedded auxiliary signal are automatically detectable. For example, the changes make the embedded auxiliary signal more or less detectable. The extent to which the auxiliary data is detected forms a detection metric used in combination with one or more other metrics to differentiate copies from originals. Examples of sets of properties of the print structures that change differently in response to copy operations include sets of colors (including different types of inks), sets of screens or dot structures that have varying dot gain, sets of structures with different aliasing effects, etc. Robust and fragile watermarks are used in Image Replacement Documents for a variety of applications. Digital watermarks act as on-board mediators in authentication of a variety of printed documents. Finally, digital watermarks are used to help manage quality of the scanners used in imaging systems.

Classifications:

International (IPC 8-9): B42D15/00 G06K19/06 G06T1/00 G06T7/00
G07D7/00 G07D7/12 H04N1/00 H04N1/32
H04N1/40 (Advanced/Invention);
B29C45/14 G06K9/00 H04N1/32 (Advanced/Non-invention);

B42D15/00 G06T1/00 G06T7/00 G07D7/00 H04N1/00
H04N1/32 (Core/Invention);
B29C45/14 H04N1/32 (Core/Non-invention)
International (IPC 1-7): G06F11/30 G06F15/00 G06K19/06
G06K9/00 H04L9/00
CPC: H04N1/00846 G06T1/0042 B42D25/29 H04N1/32149
B29C45/1418 G06T1/0021 G06T7/0002 G06T2201/0064
G06T2207/30144 G07D7/004 H04N1/00002 H04N1/00005
H04N1/00037 H04N1/00092 H04N1/32208 H04N1/32219
H04N1/32261 H04N1/32304 H04N1/32309 H04N2201/3205
H04N2201/3207 H04N2201/3226 H04N2201/3233 H04N2201/3239
H04N2201/327 H04N2201/3271 G07D7/0034
European: B42D15/00C G06T1/00W G06T1/00W4 G06T7/00B
G07D7/00B4 G07D7/00D H04N1/00A H04N1/00A1 H04N1/00A3E
H04N1/00A5 H04N1/00P H04N1/00P2R2 H04N1/32C19
H04N1/32C19B H04N1/32C19B3B H04N1/32C19B3C
H04N1/32C19B3J H04N1/32C19B6D H04N1/32C19B7 L29C45/14D
S06T201/0064 S06T207/30144 T04N201/32C2B T04N201/32C2C
T04N201/32C4B T04N201/32C4D T04N201/32C4D4 T04N201/32C6B
T04N201/32C7
US: 235/375 235/487 235/491 235/491P 235/494 358/1.12 358/1.14
358/1.140S 358/1.15 358/1.16 358/1.18 358/1.4 358/1.8 358/1.9
358/2.1 358/3.01 358/3.02 358/3.1 358/3.28 358/3.280P 358/3.29
358/3.3 358/3.31 358/3.32 358/501 358/505 358/515 358/529
358/535 380/201 380/203 380/22 380/223 380/226 380/228 380/232
380/250 380/258 380/278 380/43 380/51 380/54 382/100 382/100S
382/135 382/171 382/175 382/195 382/232 382/250 382/284



Family:

Publication number	Publication date	Application number	Application date
AU2003293087 AA	20040623	AU20030293087	20031126
EP1579622 A1	20050928	EP20030790079	20031126
EP1579622 A4	20070530	EP20030790079	20031126
EP1579622 B1	20171220	EP20030790079	20031126
US2004263911 AA	20041230	US20030723181	20031126
US2005156048 AA	20050721	US20040989737	20041115
US7537170 BB	20090526	US20040989737	20041115
US8144368 BB	20120327	US20030723181	20031126
WO04051917 A1	20040617	WO2003US37802	20031126

Priority:

US19980071983P 19980120	US19980074034 19980506	US19990234780 19990120
US19990433104 19991103	US20010898901 20010702	US20010945243 20010831
US20010012703 20011207	US20020165751 20020606	US20020430014P 20021128
US20030440593P 20030115	US20030466926P 20030430	US20030475389P 20030602
US20030523159P 20031117	US20030723181 20031126	WO2003US37802 20031126
US20040818938 20040405	US20040836094 20040429	US20040989737 20041115

Probable Assignee: DIGIMARC AN OREGON CORPORATION CORP

Assignee(s): (std): ALATTAR OSAMA M ; BRUNK HUGH L ; HANNIGAN BRETT T ; LEVY KENNETH L ; DIGIMARC CORP ; GUSTAFSON AMMON E ; DIGIMARC COPORATION ; SHARMA RAVI K ; REED ALASTAIR M ; RODRIGUEZ TONY F ; RHOADS GEOFFREY B

Assignee(s): DIGIMARC CORP WAS DMRC CORPORATION.. ; DIGIMARC CORP WAS DMRC CORP ; DMRC CORP ; DMRC LLC ; DIGIMARC (AN OREGON CORPORATION) CORP ; DIGIMARC AN OREGON CORP CORP ; DIGIMARC AN OREGON CORPORATION CORP

Inventor(s): (std): BRUNK HUGH L ; GUSTAFSON AMMON E ; HANNIGAN BRETT T ; LEVY KENNETH L ; ALATTAR OSAMA M ; REED ALASTAIR M ; RHOADS GEOFFREY B ; RODRIGUEZ TONY F ; SHARMA RAVI K

Inventor(s): TONY F RODRIGUEZ ; ALASTAIR M REED ; RODRIGUEZ TONY ; BRETT T HANNIGAN ; OSAMA M ALATTAR ; RAVI K SHARMA ; REED ALASTAIR ; HUGH L BRUNK ; KENNETH L LEVY

Agent(s): SESSFORD RUSSELL; DIGIMARC CORP

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 ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

44) Family number: 53428989 (US2014221528A)

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Title: ADVANCED MULTI-ELEMENT CONSUMABLE-DISPOSABLE PRODUCTS

Abstract: The invention involves the incorporation and enablement of multiple interactive elements into high-volume consumables products to increase utility, function and features of the consumable product at minimal incremental cost and adjustment to production and manufacturing processes. The invention further reports processes and compositions that enable consumable products with differentiating features which product would otherwise be deficient for their intended use and application.

Classifications:

International (IPC 8-9): A47G19/00 A47G21/00 A47G21/04
A47G21/18 A99Z99/00 B01F13/00 B65D1/36 G01K1/00
G01K11/12 (Advanced/Invention)
CPC: G01K1/00 A47G21/182 A47G21/04 B65D1/36 B01F13/002
A47G19/00 A47G21/00 A47G2200/08 A47G2200/16 G01K11/12
G01K2207/00
US: 206/459.1 206/459.5 206/557 239/33 30/324 366/129 374/100
523/351

PatBase - US2014221528_AA

**Family:**

Publication number	Publication date	Application number	Application date
■ CN104144624 A	20141112	CN201280058901	20120928
■ CN104144624 B	20190215	CN201280058901	20120928
■ US2014221528 AA	20140807	US20120348574	20120928
■ US2018003565 AA	20180104	US20170656208	20170721
■ US9746380 BB	20170829	US20120348574	20120928
■ WO13049696 A2	20130404	WO2012US58090	20120928
■ WO13049696 A3	20130613	WO2012US58090	20120928

Priority:

US20110542085P 20110930 US20120348574 20120928 WO2012US58090 20120928
US20140348574 20140328 US20170656208 20170721

Probable Assignee: SEGAN IND INC**Assignee(s):** (std): RIBI HANS O ; SEGAN IND INC**Inventor(s):** (std): RIBI HANS O**Agent(s):** BRET E; BOZICEVIC FIELD AND FRANCIS LLP; KHIN K; FIELD BRET E

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 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

45) Family number: 40837588 (US2007273143A)

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Title: MICRO-OPTIC FILM STRUCTURE THAT ALONE OR TOGETHER WITH A SECURITY DOCUMENT OR LABEL PROJECTS
IMAGES SPATIALLY COORDINATED WITH STATIC IMAGES AND/OR OTHER PROJECTED IMAGES

Abstract: A micro-optic film structure that alone or together with a security document or label projects images spatially coordinated with static images and/or other projected images is provided. The inventive film structure is made up of: (a) one or more polymer film materials; (b) one or more planar arrangements of primary image icons; (c) one or more planar arrangements of focusing elements or lenses; and (d) one or more secondary image icons. The planar arrangements are configured such that when a planar arrangement of primary image icons is viewed through a planar arrangement of focusing elements or lenses, one or more first synthetic images are projected. The secondary image icons appear as static and/or other projected images. These images are spatially coordinated with the first synthetic image(s) projected by the film structure, such that when simultaneously displayed therewith, they visually enhance or cancel the projected first synthetic image(s).

Classifications:

International (IPC 8-9): B41M3/00 B42D15/00 B42D15/10
B42D25/29 B42D25/30 B42D25/337 B44F1/10 B44F1/12 G02B27/00
G02B27/10 G02B27/22 G02B3/00 G02B5/00 G02B5/32 G03H1/02
G06K19/00 G07D7/06 G07D7/12 G07D7/128 G07D7/202 G09F19/12
G09F3/02 (Advanced/Invention);
B41M3/00 B42D15/10 G02B27/00 (Advanced/Non-invention);
B41M3/00 B42D15/00 B42D15/10 B44F1/00 G02B27/00 G02B27/22 G02B3/00 G03H1/02 G06K19/00
G07D7/00 (Core/Invention)

International (IPC 1-7): G02B27/00

CPC: G02B5/1861 B42D25/00 B42D25/324 B42D25/382 B42D25/387 Y10T428/24612 B41M3/003 B42D25/346 B42D25/355
B42D2033/20 B42D2033/24 B42D2035/20 B42D2035/24 B42D2035/36 B42D2035/44 B42D2035/50

European: B41M3/00F B42D15/00C4 B42D15/10 G02B5/18R L42D35/20 L42D35/24 L42D35/32 L42D35/44

US: 283/72 283/72P 359/620 359/626 428/172 428/172S

PatBase - US2007273143_AA

**Family:**

Publication number	Publication date	Application number	Application date
■ BRPI0711639 A2	20120117	BR2007PI11639	20070511
■ CA2651986 AA	20081112	CA20072651986	20070511
■ CA2651986 C	20110913	CA20072651986	20070511
■ CN101443692 A	20090527	CN200780017203	20070511
■ CN101443692 B	20121121	CN200780017203	20070511
■ EP2018589 A2	20090128	EP20070776946	20070511
■ IN04521KN2008 A	20090313	IN2008KN04521	20081107
■ JP2009536885 A2	20091022	JP20090509848	20070511
■ JP2009536885 T2	20091022	JP20090509848T	20070511
■ JP2014006532 A2	20140116	JP20130150577	20130719
■ JP2017037313 A2	20170216	JP20160177583	20160912

JP6324676 B2	20180516	JP20130150577	20130719
JP6483068 B2	20190313	JP20160177583	20160912
KR20090028523 A	20090318	KR20087030409	20081212
RU2008148946 A	20100720	RU20080148946	20070511
RU2420411 C2	20110610	RU20080148946	20070511
US2007273143 AA	20071129	US20070747687	20070511
US8284492 BB	20121009	US20070747687	20070511
WO07133613 A2	20071122	WO2007US11267	20070511
WO07133613 A3	20080313	WO2007US11267	20070511
WO07133613 B1	20080424	WO2007US11267	20070511

Priority:

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US20070747687	20070511	JP20130150577	20070511	WO2007US11267	20070511
JP20160177583	20160912				

Probable Assignee: CRANE AND CO INC

Assignee(s): (std): CRANE AND CO INC ; CRANE TIMOTHY T ; MOERCK HAMILTON KARIN ; MARASCHI MARCO ; NIEDECK TOD L ; MORCK HAMILTON KARIN ; KREJN EHND KO INK

Assignee(s): JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; VISUAL PHYSICS LLC ; CRANE AND CO ; KREJN EHND KO ; HIGHBRIDGE PRINCIPAL STRATEGIES LLC COLLATERAL AGENT AS ; CRANE SECURITY TECHNOLOGIES INC

Inventor(s): (std): CRANE TIMOTHY T ; KARIN MOERCK HAMILTON ; KREHJN TIMOTI T ; MARASCHI MARCO ; MARASKI MARKO ; MARCO MARASCHI ; MOERCK HAMILTON KARIN ; MORCK HAMILTON KARIN ; MORK KHAMILTON KARIN ; NIEDECK TOD L ; NIEDECK TODD L ; TIMOTHY T CRANE ; NIDEK TOD L

Inventor(s): CRANE TIMOTHY ; TOD L NIEDECK ; MORK-KHAMILTON KARIN ; KARIN MORCK HAMILTON

Agent(s): GOUDREAU GAGE DUBUC ; LAVERY DE BILLY LLP ; WAGNER BERNHARD PETER ; HOLLAND AND BONZAGNI PC ; MARY R

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 LT 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

46) Family number: 33357405 (US2005131607A)

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Title: METHOD AND ARRANGEMENT FOR OBTAINING INFORMATION ABOUT VEHICLE OCCUPANTS

Abstract: Arrangement and method for obtaining information about a vehicle occupant in a compartment of the vehicle in which a light source is mounted in the vehicle, structured light is projected into an area of interest in the compartment, rays of light forming the structured light originating from the light source, reflected light is detected at an image sensor at a position different than the position from which the structured light is projected, and the reflected light is analyzed relative to the projected structured light to obtain information about the area of interest. The structured light is designed to appear as if it comes from a source of light (virtual or actual) which is at a position different than the position of the image sensor.

Classifications:

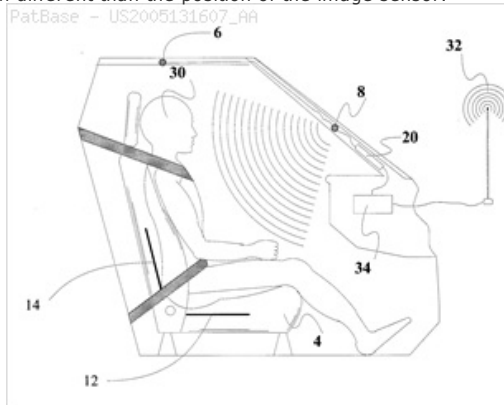
International (IPC 8-9): B60N2/00 B60N2/02 B60N2/28 B60Q1/14 B60R21/01 B60R21/015 G01S15/87 G01S15/88 G01S17/88 G06K9/00 G06M7/00 (Advanced/Invention); B60R21/0134 B60R21/015 B60R22/20 (Advanced/Non-invention); G06M7/00 (Core/Invention)

International (IPC 1-7): G06F7/00

CPC: B60N2002/0272 B60N2/0232 B60N2/0244 B60N2/0276 B60N2/28 B60N2/2806 B60N2/2863 B60N2002/0268 B60R21/013 B60R21/0134 B60R25/25 B60R25/252 B60R25/255 B60R25/257 B60R2022/208 G06K9/00362 B60R21/01534 B60R21/01536 B60R21/01538 B60N2/002 G01S7/417 G01S7/4802 G01S7/539 G01S13/04 G01S15/04 G01S15/06 G01S15/87 G01S15/88 G01S17/88 G01S17/89 G06K9/00624 G06K9/00832 B60R21/0152

European: B60N2/00C B60N2/02B4 B60N2/02B6 B60N2/02B6W B60N2/28 B60N2/28B2 B60N2/28P4 B60Q1/14C1B B60R21/013 B60R21/015 B60R25/25 B60R25/25B B60R25/25D B60R25/25F G01S15/87 G01S15/88 G01S17/88 G01S7/41D G01S7/48A G01S7/539 G06K9/00H G06K9/00V G06K9/00V7 L60N2/02B6S L60Q300/410 L60Q300/420 L60R21/0134 L60R21/015G6H L60R21/015G6F L60R21/015G6H L60R21/01H3Y L60R22/20R S01S13/04 S01S15/04 S01S15/06 S01S17/89

US: 250/221 250/221P 250/578.1 348/243 367/137 382/103 701/45 701/45P



Family:

Publication number	Publication date	Application number	Application date
US2005131607 AA	20050616	US20050025501	20050103
US2006208169 AA	20060921	US20040931288	20040831
US7983817 BB	20110719	US20050025501	20050103

Priority:

US19920878571	19920505	US19930040978	19930331	US19940239978	19940509
US19950474783	19950607	US19950476077	19950607	US19950474786	19950607
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US20050025501	20050103				

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

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

Assignee(s): AMERICAN VEHICULAR SCIENCES LLC ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIOAL INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC

Inventor(s): (std): BREED DAVID S ; JOHNSON WENDELL C ; DUVALL WILBUR E

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

Agent(s): BRIAN ROFFE ESQ; BRIAN

47) Family number: 15766854 (US2005038756A)

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Title: SYSTEM AND METHOD FOR PRODUCTION AND AUTHENTICATION OF ORIGINAL DOCUMENTS

Abstract: A system and method for authenticating documents and content thereof. A counterfeit resistant document recording medium is provided, having thereon a predefined unique document identifier and at least one security feature. The recording medium is thereafter imprinted with document content, which typically varies between documents. The document content is stored in a database, indexed by an associated document identifier. The document may then be authenticated by checking the security feature and comparing the stored document content with a perceived document content. The system provides a number of opportunities for commercial exploitation, including sales of identified recording media, recording of information in a database, on-line authentication transactions, differential accounting for document validations and counterfeit identifications, imprinting devices, authentication devices, and the like. The system prevents counterfeiting of valuable documents through casual means by providing both physical and logical security.

Classifications:

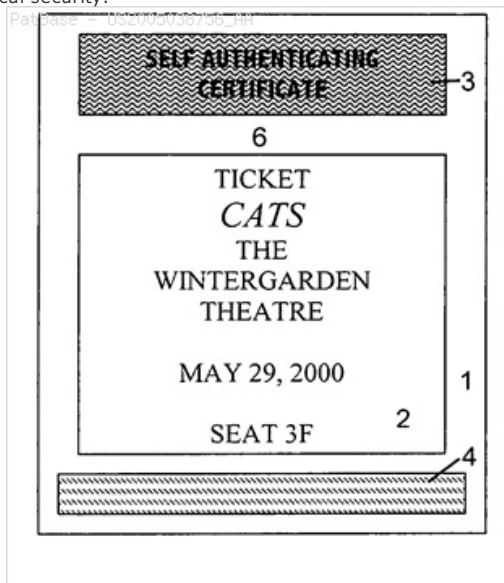
International (IPC 8-9): B42D15/00 G03G21/04 G06F17/60
G07D7/00 G09C1/00 G09C5/00 H04L9/32 (Advanced/Invention);
G06F17/00 G06F17/21 G06F21/24 (Advanced/Non-invention);
B42D15/00 G03G21/04 G06Q99/00 G07D7/00 G09C1/00 G09C5/00
H04L9/32 (Core/Invention)

International (IPC 1-7): G03G21/04 G06F G06F17/60 G09C1/00
G09C5/00 H04L9/00 H04L9/32

CPC: B42D25/29 G06K19/086 G06Q20/3821

European: B42D15/00C G06K19/08C2 G06Q20/3821

US: 380/202 705/51 705/57 705/76 705/76P 713/176



Family:

Publication number	Publication date	Application number	Application date
AU2001264821 AA	20011203	AU20010264821	20010522
AU200164821 A1	20011203	AU20010064821	20010522
AU200164821 A5	20011203	AU20010064821	20010522
BRPI0111274 A	20030610	BR2001PI11274	20010522
CA2410089 AA	20021120	CA20012410089	20010522
CN1441935 A	20030910	CN20018012653	20010522
CR6831 A	20030731	CR20020006831	20021122
EP1307840 A1	20030507	EP20010939289	20010522
IL152952 A0	20030624	IL20010152952	20010522
IL152952 A1	20071031	IL20010152952	20010522
IL179225 A0	20070308	IL20060179225	20061113
IL179225 A1	20091118	IL20010179225	20010522
JP2003534753 T2	20031118	JP20010587322T	20010522
KR20030019398 A	20030306	KR20027015991	20010522
RU2002134748 A	20040420	RU20020134748	20010522
SG94778 A1	20030318	SG20010001291	20010301
US2005038756 AA	20050217	US20040894766	20040720
US7080041 BB	20060718	US20040894766	20040720
US7152047 BA	20061219	US20000577533	20000524
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Priority:

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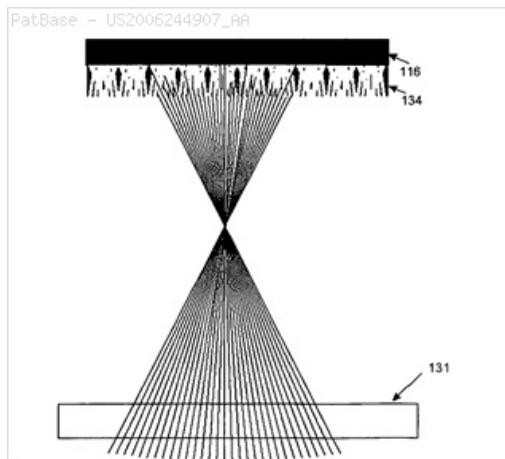
Probable Assignee: ESECUREBIZ INC**Assignee(s):** (std): ESECURE BIZ INC ; ESECUREDOKS INC**Assignee(s):** NAGEL ROBERT H ; MILDE AND HOFFBERG LLP ; ESECUREBIZ INC**Inventor(s):** (std): NAGEL ROBERT H ; ROBERT H NAGEL**Inventor(s):** ROBERT HNAGEL ; NAGEL ROBERT**Agent(s):** CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; LONG AND CAMERON; EITAN PEARL LATZER AND COHEN ZEDEK; EITAN MEHULAL AND SADOT; STEVEN M HOFFBERG ESQ; MILDE HOFFBERG AND MACKLIN LLP; AMILDE AND HOFFBERG LLP; MILDE AND HOFFBERG LLP**Designated states:** AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CO CU CY CZ DE DK EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX 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 UZ VN YU ZA ZW**48) Family number: 33584612 (US2006244907A)**

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Title: SPECIALLY COHERENT OPTICS**Abstract:** A refinement in optics providing images with improved sharpness, better control of depth of field, vision-improvement applications, and 3-D capture and display.**Classifications:****International (IPC 8-9):** G02C7/04 G06K9/00

G06T15/00 (Advanced/Invention);

G02C7/04 G06K9/00 G06T15/00 (Core/Invention)

CPC: G06K9/00 G02B27/46 G02C7/16**European:** G02B27/46 G02C7/16**US:** 345/419 351/159.26 351/159.260P 351/162 382/154**Family:**

Publication number	Publication date	Application number	Application date
US2006244907 AA	20061102	US20050296245	20051206
US7697750 BB	20100413	US20050296245	20051206

Priority:

US20040633732P 20041206 US20050296245 20051206

Probable Assignee: SIMMONS JOHN C**Assignee(s):** (std): SIMMONS JOHN C ; SIMMONS JOHN CASTLE**Inventor(s):** (std): SIMMONS JOHN C ; SIMMONS JOHN CASTLE**Inventor(s):** SIMMONS JOHN**Agent(s):** JOHN C SIMMONS**49) Family number: 47933258 (US2010332210A)**

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Title: METHOD AND APPARATUS FOR PREDICTING OBJECT PROPERTIES AND EVENTS USING SIMILARITY-BASED INFORMATION RETRIEVAL AND MODELING**Abstract:** Method and apparatus for predicting properties of a target object, in particular, one of an origin and a source, comprise application of a search manager for analyzing parameters of a plurality of databases for a plurality of objects, the databases comprising an electrical, electromagnetic, acoustic spectral database (ESD), a micro-body assemblage database (MAD) and a database of image data whereby the databases store data objects containing identifying features, source information and information on site properties and context including time and frequency varying data. The method comprises application of multivariate statistical analysis and principal component analysis in combination with content-based image retrieval for providing two-dimensional attributes of three dimensional objects, for example, via preferential image segmentation using a tree of shapes and to predict further properties of objects by means of k-means clustering and related methods. By way of example, a fire event and residual objects may be located and qualified such that, for example, properties of the residual objects may be qualified, for example, via black body radiation and micro-body databases including charcoal assemblages.**Classifications:****International (IPC 8-9):** G06F17/30 G06F7/00

G06F9/45 (Advanced/Invention)

CPC: G06K9/6224 G06K9/6253 G06Q30/0185 G06Q50/265

G06F16/2228 G06F16/245 G06F16/2453 G06F16/285 G06F16/3331

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G06F16/2465 G06F16/2246

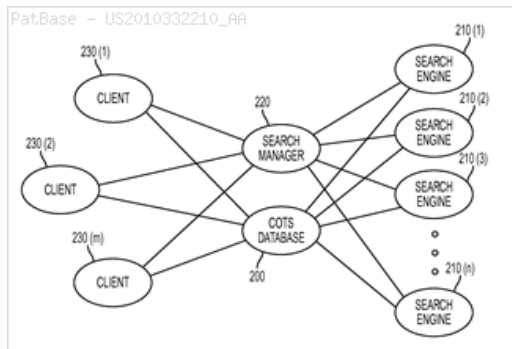
European: G06F17/30S2P7 G06F17/30S4P3 G06F17/30S8M

G06K9/62B1P2 G06K9/62B5

US: 703/22 703/22P 707/722 707/723 707/737 707/737P 707/737S

707/738 707/741 707/741S 707/743 707/758 707/769 707/780

707/780S 707/797 707/797S 707/E17.014 707/E17.014S
707/E17.046 707/E17.055 707/E17.055S 707/E17.087 707/E17.087S
707/E17.089 707/E17.089S



Family:

Publication number	Publication date	Application number	Application date
US2010332210 AA	20101230	US20100823320	20100625
US2010332474 AA	20101230	US20100823284	20100625
US2010332475 AA	20101230	US20100823303	20100625
US2013054603 AA	20130228	US20120469320	20120511
US2013124526 AA	20130516	US20120693864	20121204
US2013173632 AA	20130704	US20130761298	20130207
US2015317344 AA	20151105	US20140309065	20140619
US8375032 BB	20130212	US20100823320	20100625
US8392418 BB	20130305	US20100823284	20100625
US8396870 BB	20130312	US20100823303	20100625
US8429153 BB	20130423	US20120469320	20120511
US8775427 BB	20140708	US20120693864	20121204
US8775428 BB	20140708	US20130761298	20130207

Priority:

US20090220248P	20090625	US20100334882P	20100514	US20100823320	20100625
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US20140309065	20140619				

Probable Assignee: OF TENNESSEE RESEARCH FOUNDATION UNIV

Assignee(s): (std): BIRDWELL J DOUGLAS ; BIRDWELL JOHN DOUGLAS ; HORN ROGER ; HORN SALLY P ; SAPP CARL G ; RADER MARK S ; ICOVE DAVID J ; STANSBERRY DALE V ; WANG TSE WEI ; U S GOVT AS REPR BY THE SECRETARY OF THE ARMY ; U S ARMY SPACE AND MISSILE DEFENSE COMMAND ARMY FORCES STRATEGIC COMMAND ; UNIV TENNESSEE RES FOUNDATION ; US ARMY ; UNIV TENNESSEE RES FOU ; U S GOVT REPR BY SECRETARY OF ARMY AS

Assignee(s): UNIVERSITY OF TENNESSEE RESEARCH FOU ; US GOVERNMENT REPRESENTED BY SECRETARY OF ARMY AS ; US GOVT REPR BY SECRETARY OF ARMY AS ; US ARMY SPACE AND MISSILE DEFENSE COMMAND ARMY FORCES STRATEGIC COMMAND ; THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE ARMY ; OF TENNESSEE RESEARCH FOU UNIV ; UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION ; OF TENNESSEE RESEARCH FOUNDATION UNIV ; SECRETARY OF ARMY AS US GOV

Inventor(s): (std): HORN SALLY P ; BIRDWELL J DOUGLAS ; ICOVE DAVID J ; WANG TSE WEI ; RADER MARK ; STANSBERRY DALE V ; HORN ROGER ; RADER MARK S ; SAPP CARL G ; BIRDWELL JOHN DOUGLAS

Agent(s): PCT LAW GROUP PLLC ; CAMERON LLP ; CANERON LLP

50) Family number: 47085537 (US2012091703A)

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Title: SECURITY DOCUMENT WITH AN OPTICALLY VARIABLE IMAGE AND METHOD OF MANUFACTURE

Abstract: A security device (2) including a substantially transparent material (6) having a first side and a second side. An array of lenses (4) is arranged on the first side of the material (6) and an ablative layer (8), which is reflective or at least partially opaque, is arranged on the second side of the material. The ablative layer has one or more patterns (12, 16) formed by removal of the ablative layer, for example by laser radiation (10, 14). The or each pattern (12, 16) is viewable at a particular viewing angle (θ , ϕ) or range of angles through the array of lenses. Also disclosed is a method of manufacturing a security device.

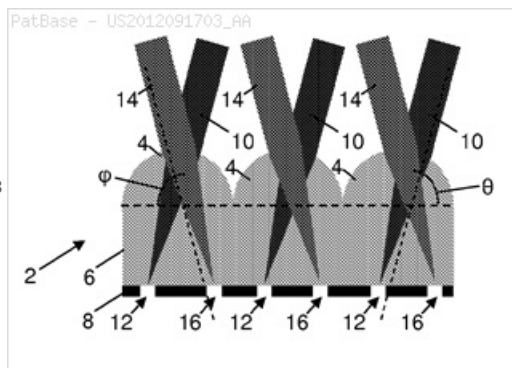
Classifications:

International (IPC 8-9): B23K26/38 B41M3/14 B42D15/00 B42D15/10 B42D25/00 G02B27/22 G06K19/00 G06K5/00 G07D7/00 (Advanced/Invention)

CPC: B41M3/14 B41M5/24 G02B27/2214 G06K2019/0629 B42D25/41 B42D25/43 B42D25/29 B42D25/435 B42D25/21 B42D25/373 B42D25/378 B42D2033/18 B42D2033/24 B42D2035/20 B42D2035/44 G07D7/003

European: B42D15/00C G07D7/00B L41M3/14 L41M5/24 L42D31/08 L42D31/16 L42D33/18 L42D35/20 L42D35/44 S02B27/22L S06K19/06W16

US: 219/121.69 219/121.690S 283/85 283/85P



Family:

Publication number	Publication date	Application number	Application date
AU2010234215 AA	20101014	AU20100234215	20100406
AU2010234215 BB	20140410	AU20100234215	20100406

EP2417489 A1	20120215	EP20100761121	20100406
EP2417489 A4	20140521	EP20100761121	20100406
EP2417489 B1	20170308	EP20100761121	20100406
MX2011010486 A1	20120223	MX20110010486	20100406
US2012091703 AA	20120419	US20100262965	20100406
WO10115235 A1	20101014	WO2010AU00388	20100406

Priority:

AU20090901462 20090406 AU20100234215 20100406 WO2010AU00388 20100406

Probable Assignee: RESERVE BANK OF AUSTRALIA

Assignee(s): (std): AUSTRALIA RESERVE BANK ; FOX PHILLIP ; MAGUIRE LUKE

Assignee(s): RESERVE BANK OF AUSTRALIA

Inventor(s): (std): MAGUIRE LUKE ; FOX PHILLIP ; LUKE MAGUIRE ; PHILLIP FOX

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; FULTON DAVID JAMES; WATERMARK PATENT AND TRADE MARK ATTORNEYS

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

51) Family number: 31768824 (US2004190085A)

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Title: SENSING DEVICE FOR CODED DATA

Abstract: A sensing device for: sensing coded data disposed on a surface; and generating interaction data based on the sensed coded data, the interaction data being indicative of interaction of the sensing device with the surface; the sensing device comprising: (a) an image sensor for capturing image information; (b) at least one analog to digital converter for converting the captured image information into image data; (c) an image processor for processing the image data to generate processed image data; (d) a host processor for generating the interaction data based at least partially on the processed image data.

Classifications:

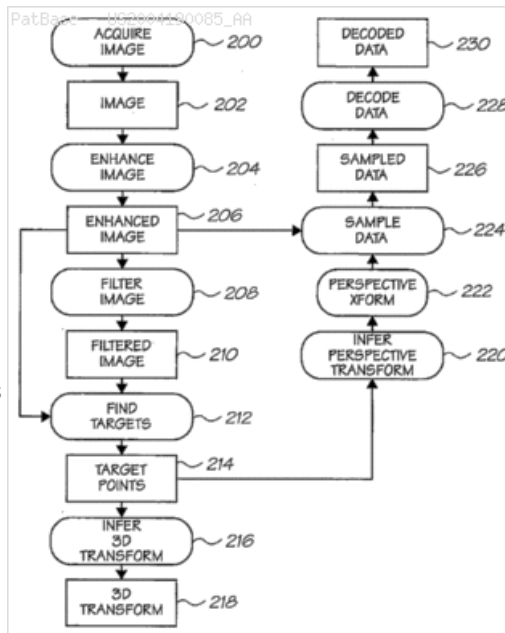
International (ipc 8-9): G06F3/03 G06F3/033 G06F7/00 G06K15/00 H04N1/04 H04N1/46 H04N3/14 (Advanced/Invention); H04N1/107 H04N1/32 (Advanced/Non-invention); G06F3/03 G06F3/033 G06F7/00 G06K15/00 H04N1/04 H04N1/46 H04N3/14 (Core/Invention); H04N1/107 H04N1/32 (Core/Non-invention)

International (ipc 1-7): G06F7/00 H04N1/04

CPC: G06F3/0321 H04N1/00968 G06F3/03545 H04N1/00244 H04N1/00326 H04N1/00358 H04N1/00376 H04N1/107 H04N1/32133 H04N1/32778 H04N2201/3205 H04N2201/3207 H04N2201/3226 H04N2201/3242 H04N2201/3243 H04N2201/3247 H04N2201/3249 H04N2201/327 H04N2201/3271 H04N2201/3278

European: G06F3/0354N G06F3/03H3 H04N1/00C22 H04N1/00C3K H04N1/00D2B2 H04N1/00D2B4 H04N1/00W2 H04N1/327F4M T04N1/107 T04N1/32C17B T04N201/32C10 T04N201/32C2B T04N201/32C2C T04N201/32C4B T04N201/32C4E T04N201/32C4F T04N201/32C4K T04N201/32C4L T04N201/32C6B T04N201/32C7

US: 348/294 358/1.17 358/474 358/474P 358/483 358/539 358/539S



Family:

Publication number	Publication date	Application number	Application date
US2004190085 AA	20040930	US20040815636	20040402
US7605940 BB	20091020	US20040815636	20040402

Priority:

AU1999PQ02912 19990917 AU1999PQ03632 19991025 AU20020952259 20021025
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Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD

Inventor(s): (std): HENDERSON PETER CHARLES BOYD ; LAPSTUN PAUL ; MOINI ALIREZA ; RIDLEY NICHOLAS DAMON ; RUSMAN JAN ; SILVERBROOK KIA ; UNDERWOOD MATTHEW JOHN ; YOURLO ZHENYA ALEXANDER

52) Family number: 44246747 (US2010014784A)

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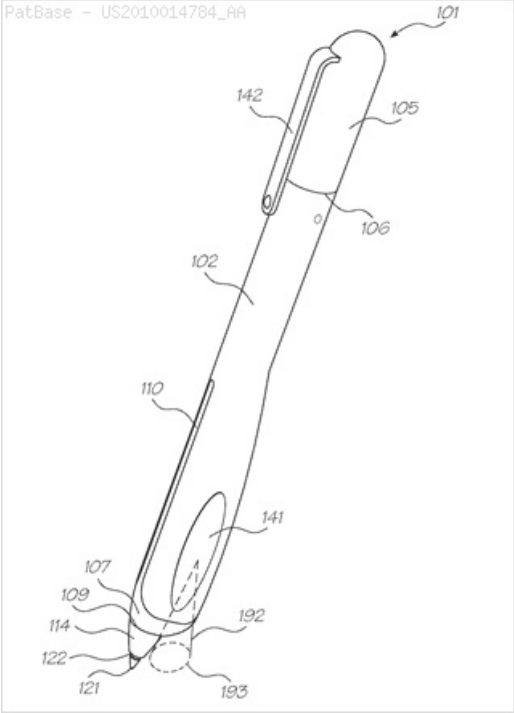
Title: SENSING DEVICE FOR SUBSAMPLING IMAGED CODED DATA

Abstract: A sensing device is provided with an image sensor for capturing images of coded data disposed on a surface, a framestore for storing frames of the captured image as image data, subsampling means for subsampling the stored image

date to generate subsampled image data, and an image processor for processing the subsampled image data to generate interaction data based on the sensed coded data and indicative of interaction of the sensing device with the surface. The image processor is integrated on a monolithic integrated circuit, the monolithic integrated circuit including a first subsampled framestore for storing the subsampled image data based on image data from the framestore.

Classifications:

International (IPC 8-9): G06K9/22 H04N1/04
H04N3/14 (Advanced/Invention);
G06K9/22 (Core/Invention)
CPC: G06K9/228 G06K9/24 G06K2009/226
European: G06K9/22W G06K9/24 S06K9/22P
US: 348/317 358/474 358/483 382/313 382/313P



Family:

Publication number	Publication date	Application number	Application date
US2010014784 AA	20100121	US20090568635	20090928
US8416468 BB	20130409	US20090568635	20090928

Priority:

AU1999PQ02912 19990917	AU1999PQ03632 19991025	AU20020952259 20021025
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AU20030901795 20030415	US20040778056 20040217	US20040815636 20040402
US20090568635 20090928		

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): HENDERSON PETER CHARLES BOYD ; LAPSTUN PAUL ; MOINI ALIREZA ; RIDLEY NICHOLAS DAMON ; RUSMAN JAN ; SILVERBROOK RES PTY LTD ; YOURLO ZHENYA ALEXANDER ; UNDERWOOD MATTHEW JOHN ; SILVERBROOK KIA

Assignee(s): SILVERBROOK RESEARCH PTY LTD

Inventor(s): (std): HENDERSON PETER CHARLES BOYD ; RIDLEY NICHOLAS DAMON ; YOURLO ZHENYA ALEXANDER ; MOINI ALIREZA ; LAPSTUN PAUL ; SILVERBROOK KIA ; UNDERWOOD MATTHEW JOHN ; RUSMAN JAN

Agent(s): SILVERBROOK RESEARCH PTY LTD

53) Family number: 33357402 (US2005017488A) © PatBase

Title: WEIGHT MEASURING SYSTEMS AND METHODS FOR VEHICLES

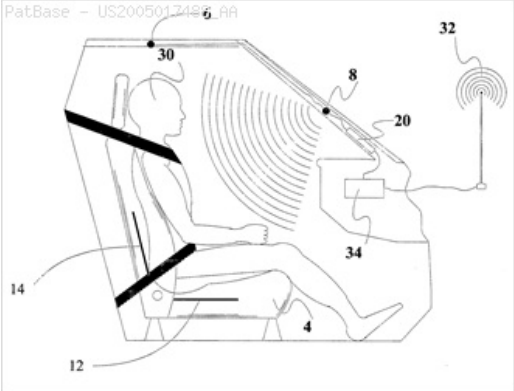
Abstract: Weight sensor for determining the weight of an occupant of a seat including a bladder arranged in a seat portion of the seat and including material or structure in an interior thereof which constrains fluid flow therein and one or more transducers for measuring the pressure of the fluid in the bladder. The material or structure might be open cell foam. The bladder may include one or more chambers, and if more than one chamber is formed, each chamber can be arranged at a different location in the seat portion of the seat.

Classifications:

International (IPC 8-9): B60J10/00 B60K28/10 B60N2/00 B60N2/015 B60N2/02 B60N2/06 B60N2/28 B60N2/48 B60N2/66 B60Q1/14 B60R16/02 B60R16/037 B60R21/01 B60R22/20 E05F15/00 G01F23/00 G01F23/20 G01F23/296 G01G19/414 G01S15/04 G01S15/42 G01S15/87 G01S15/88 G01S17/88 G01S7/41 G01S7/48 G01S7/539 G06K9/00 (Advanced/Invention); B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015 B60R21/16 B60R21/20 B60R21/203 B60R21/215 B60R21/231 B60R21/26 B60R21/276 B60R22/28 B60R22/46 B60R22/48 G01S13/04 G01S15/06 G01S17/89 (Advanced/Non-invention); B60J10/00 B60K28/10 B60N2/00 B60N2/005 B60N2/02 B60N2/06 B60N2/26 B60N2/48 B60N2/64 B60Q1/14 B60R16/02 B60R16/037 B60R21/01 B60R22/18 E05F15/00 G01F23/00 G01F23/296 G01G19/40 G01S15/00 G01S17/00 G01S7/02 G01S7/48 G01S7/539 G06K9/00 (Core/Invention); B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015 B60R21/16 B60R21/20 B60R21/23 B60R21/26 B60R22/00 B60R22/28 B60R22/46 G01S13/00 (Core/Non-invention)

International (IPC 1-7): B60R21/32

CPC: B60N2002/0272 B60R21/013 B60N2/002 B60N2/015 B60N2/0224 B60N2/0232 B60N2/0244 B60N2/0248 B60N2/0252 B60N2/0276 B60N2/067 B60N2/28 B60N2/2806 B60N2/2863 B60N2/66 B60N2002/0268 B60R16/037 B60R21/0132 B60R21/0134 B60R21/0136 B60R21/203 B60R21/21656 B60R21/276 B60R22/20 B60R22/201 B60R25/25 B60R25/252 B60R25/255 B60R25/257 B60R2001/1223 B60R2001/1253 B60R2001/0027 B60R2021/01315 B60R2021/23153 B60R2021/26094 B60R2021/2765 B60R2022/208 B60R2022/288 B60R2022/4685 B60R2022/4825 E05Y2900/55 G01S7/417



G01S7/4802 G01S7/539 G01S13/04 G01S15/04 G01S15/06 G01S15/42 G01S15/87 G01S15/88 G01S17/88 G01S17/89
G06K9/00369 G10K2210/1282 G10K2210/3219 B60R21/01516 B60R21/01532 B60R21/01534 B60R21/01536 B60R21/01538
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US: 180/173 180/274 180/45 180/47 280/735 280/735P

Family:

Publication number	Publication date	Application number	Application date
US2005017488 AA	20050127	US20040895121	20040721
US7407029 BB	20080805	US20040895121	20040721

Priority:

US19920878517 19920505	US19920878571 19920505	US19930040978 19930331
US19940239978 19940509	US19950474786 19950607	US19950474783 19950607
US19950505036 19950721	US19960640068 19960430	US19970798029 19970206
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US19970970822 19971114	US19970992525 19971217	US19980047703 19980325
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US19980200614 19981130	US19980114507P 19981231	US19990136163P 19990527
US19990382406 19990824	US19990389947 19990903	US19990409625 19991001
US19990437535 19991110	US19990448337 19991123	US19990448338 19991123
US19990474147 19991229	US19990476255 19991230	US20000500346 20000208
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US20020151615 20020520	US20020227781 20020826	US20020234436 20020903
US20020234063 20020903	US20020302105 20021122	US20030365129 20030212
US20030733957 20031211	US20040895121 20040721	

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 INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AMERICAN VEHICULAR SCIENCES LLC

Inventor(s): (std): BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C ; MORIN JEFFREY L

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

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

54) Family number: 46627706 (US2011299160A)

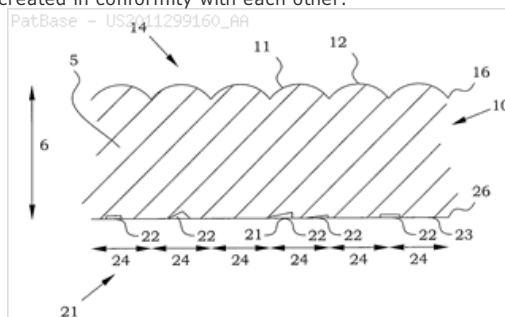
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Title: DEVICES FOR INTEGRAL IMAGES AND MANUFACTURING METHOD THEREFORE

Abstract: A method for manufacturing integral image devices comprises defining (210) of a set of digital model representations of a set of models. The method comprises calculation (212) of a digital projection representation of the set of digital model representations onto a plurality of virtual cells as viewed from a respective one of a plurality of projection origins. Each virtual cell has at least one pixel corresponds to an associated model. The associated model is allocated in dependence of the projection angle. Structures corresponding to the virtual cells are physically created (220) in cells at an image plane of a device, distributed according to an image array. The creation is controlled by the digital projection representation. A plurality of focusing elements of the device is physically created (230), distributed according to a focusing element array. The image array and the focusing element array are created in conformity with each other.

Classifications:

International (IPC 8-9): B23P17/04 G02B27/22
G02B3/00 (Advanced/Invention);
G02B27/22 G02B3/00 (Core/Invention)
CPC: G02B27/2214 G02B3/0056 Y10T29/49
European: G02B27/22L G02B3/00A3S
US: 29/592 29/592S 359/478 359/478P 359/626



Family:

Publication number	Publication date	Application number	Application date
EP2399159 A1	20111228	EP20100707853	20100217
US2011299160 AA	20111208	US20100202545	20100217
US2015309321 AA	20151029	US20150792223	20150706
US2017336644 AA	20171123	US20170661291	20170727
WO10094691 A1	20100826	WO2010EP51956	20100217

Priority:

SE20090050095 20090220	SE20090050269 20090423	WO2010EP51956 20100217
US20110202545 20110819	US20150792223 20150706	US20170661291 20170727

Probable Assignee: ROLLING OPTICS AB

Assignee(s): (std): AHRENBERG LUKAS ; LUNA KAROLINA ; LUNDVALL AXEL ; ROLLING OPTICS AB

Assignee(s): ROLLING OPTICS INNOVATION AB

Inventor(s): (std): LUNDVALL AXEL ; AHRENBERG LUKAS ; LUNA KAROLINA

Agent(s): STENBORG ANDERS VILHELM; AROS PATENT AB

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 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

55) Family number: 42386779 (US2008093459A)

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Title: READING DEVICE HAVING A HARNESS

Abstract: A reading device for reading an interface surface provided on a product item, the interface surface having disposed thereon coded data. The reading device includes: a harness which is configured to tight fittingly receive at least a portion of a user's hand; a housing coupled to the harness, the housing including a void configured to tight fittingly receive therewithin a finger tip portion of a finger of the user's hand received within the harness, the housing including an aperture in a wall of the housing which is located, in use, adjacent the underside of the finger tip portion of the finger; a sensor provided in the housing for sensing at least some of the coded data through the aperture; and a processor for decoding at least some of the sensed coded data.

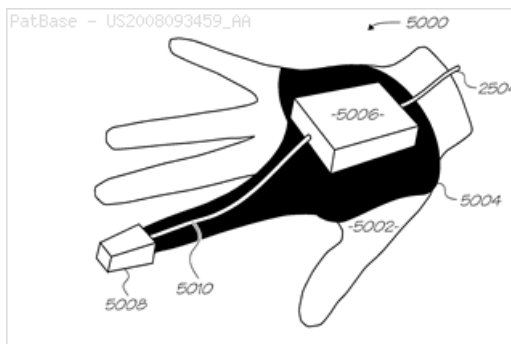
Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/06 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)

CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378

European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00 G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C H04N5/374B H04N5/376A H04N5/378 T04N5/33

US: 235/454 235/462.01 235/462.43 235/462.44 235/462.440P 235/462.45 235/472.01



Family:

Publication number	Publication date	Application number	Application date
US2008093459 AA	20080424	US20070957470	20071216
US2009261171 AA	20091022	US20090493234	20090628
US7566009 BB	20090728	US20070957470	20071216
US7878408 BB	20110201	US20090493234	20090628

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815622 20040402
US20060442381 20060530 US20070957470 20071216 US20090493234 20090628

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD

Inventor(s): (std): SILVERBROOK KIA ; RUSMAN JAN ; LAPSTUN PAUL

Agent(s): SILVERBROOK RESEARCH PTY LTD

56) Family number: 42386766 (US2008071946A)

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Title: REQUESTING ASSISTANCE USING A REGISTRATION MODE

Abstract: A method of requesting assistance relating to a product item including an associated interface surface having coded data indicative of the identity of the product item. The method includes: in a sensing device: sensing at least some of the coded data; generating indicating data indicative of the product item identity and a registration mode of the sensing device, at least some of the indicating data is generated using the sensed coded data; transferring the indicating data to a computer system, the computer system being responsive to the indicating data to cause provision of assistance; and in the computer system: receiving the indicating data; generating, using the received indicating data: identity data indicative of the identity of the product item; and mode data indicative of the registration mode; determining, using the identity data and the mode data, an assistance request; and, causing, using the assistance request, provision of the assistance.

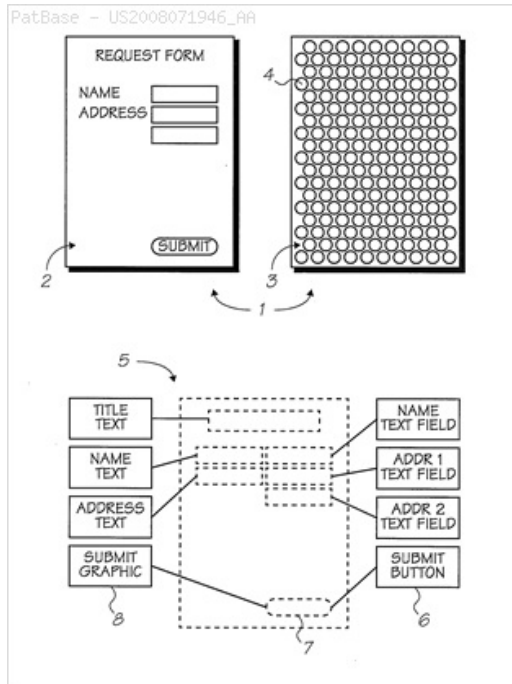
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International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/00 G06F3/08 G06F3/12 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)

CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742

H04N5/37457 H04N5/3765 H04N5/378

European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2
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G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212
G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267
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US: 235/375 235/375P 235/379 235/380 235/494 358/1.15
358/1.150S 710/39 710/39P



Family:

Publication number	Publication date	Application number	Application date
US2008071946 AA	20080320	US20070944449	20071122
US2010072275 AA	20100325	US20090628061	20091130
US7637437 BB	20091229	US20070944449	20071122
US7878416 BB	20110201	US20090628061	20091130

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815631 20040402
US20060446240 20060605 US20070944449 20071122 US20090628061 20091130

Probable Assignee:

SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std):

SILVERBROOK RES PTY LTD

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LAPSTUN PAUL ; SILVERBROOK KIA

Agent(s):

SILVERBROOK RESEARCH PTY LTD

57) Family number: 42907196 (US2009032599A)

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Title: SCANNER FOR SCANNING ITEMS MARKED WITH NEAR-INFRARED TAGS

Abstract: A scanner for scanning items marked with near-infrared tags includes a laser configured to produce a narrowband near-infrared beam matched to a peak wavelength of near-infrared ink used to print the tags. A mirror assembly re-directs the beam. A deflecting arrangement receives the re-directed beam. A steering mirror steers the deflected beam. A scanning mirror directs the beam onto the tag to be scanned and a light collection system collects light reflected by the tags.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00
G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)

CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554
G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00
G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217
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US: 235/468 235/468P 235/470 235/470S 358/474 358/475 358/475P 382/313 382/321

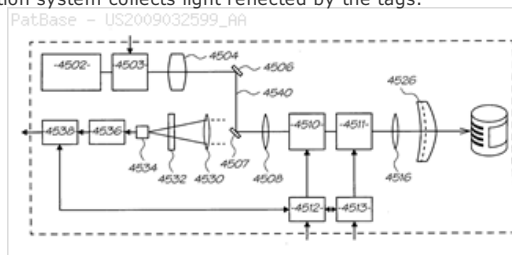
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US7702187 BB	20100420	US20080247151	20081007
US8284461 BB	20121009	US20100756963	20100408

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815609 20040402
US20080247151 20081007 US20100756963 20100408

Probable Assignee: SILVERBROOK RESEARCH PTY LTD



Assignee(s): (std): LAPSTUN PAUL ; RUSMAN JAN ; SILVERBROOK KIA ; SILVERBROOK RES PTY LTD
Assignee(s): SILVERBROOK RESEARCH PTY LTD
Inventor(s): (std): LAPSTUN PAUL ; RUSMAN JAN ; SILVERBROOK KIA
Agent(s): SILVERBROOK RESEARCH PTY LTD

58) Family number: 42386752 (US2007235532A)

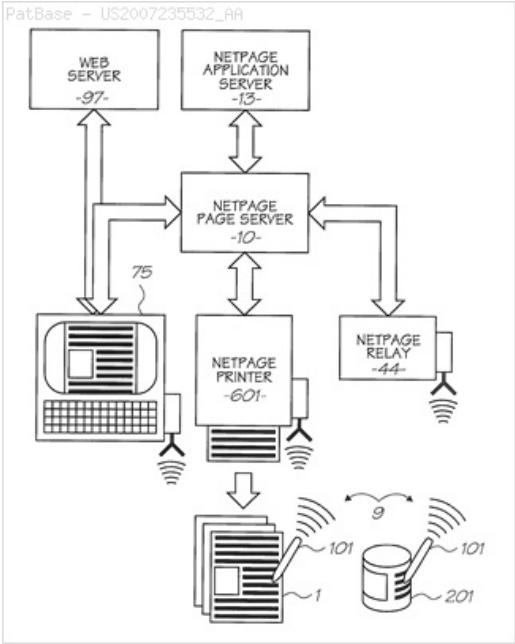
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Title: SHOPPING SYSTEM COMPRISING READING DEVICE

Abstract: A shopping system comprising a reading device is provided. The reading device is adapted to read an interface surface provided on a product item. The interface surface has coded data disposed thereon which includes, at a plurality of locations on the interface surface, a corresponding plurality of coded data portions. Each coded data portion is indicative of an identity of the product item and the location of the coded data portion. The reading device includes: (a) a radiation source for emitting radiation such that it exposes at least one coded data portion; (b) an image sensor for sensing the exposed coded data portion; and (c) a processor for determining, using the sensed coded data, product identity data and/or position data.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)
CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378
European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00 G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C H04N5/374B H04N5/376A H04N5/378 T04N5/33
US: 235/383 235/383P 235/462.01 235/462.43 235/462.45 235/462.450S 235/472.01 348/E3.021 348/E30.21S



Family:

Publication number	Publication date	Application number	Application date
US2007235532 AA	20071011	US20070764694	20070618
US2009314834 AA	20091224	US20090500596	20090710
US7568629 BB	20090804	US20070764694	20070618
US7900841 BB	20110308	US20090500596	20090710

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815629 20040402
US20070764694 20070618 US20090500596 20090710

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD

Inventor(s): (std): SILVERBROOK KIA ; RUSMAN JAN ; LAPSTUN PAUL

Agent(s): SILVERBROOK RESEARCH PTY LTD

59) Family number: 30390390 (US2007216975A)

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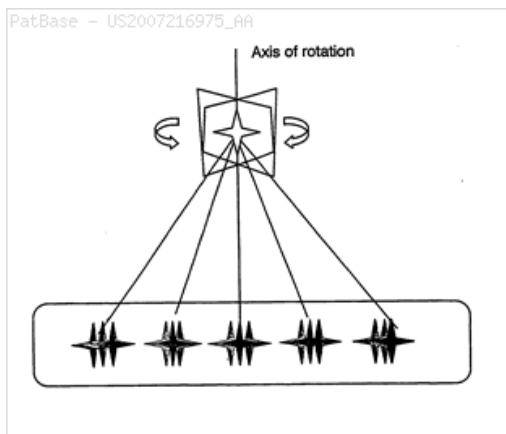
Title: SECURITY DEVICE

Abstract: A security device comprising a surface relief microstructure which, in response to incident radiation, replays a hologram viewable within a viewing zone, the hologram comprising at least a first, holographic image element in an image plane spaced from the surface of the microstructure. The device exhibits at least one further image in a plane spaced from said image plane of the first holographic element. The spacing between the first holographic element image plane and the plane of the further image is such that, on tilting the device, the first holographic image element exhibits apparent movement relative to the further image, the rate of movement being at least 6mm per radian of tilt, wherein, when expressed in radians, said rate of parallax movement per radian equals the spacing between said planes and the product of the rate of movement and the included angle of the viewing zone defining a distance at least 20 percent of the dimension of the device in the direction of movement of the first holographic image element.

Classifications:

International (IPC 8-9): B42D15/00 B42D15/10 G03H1/00 G03H1/02 G03H1/04 G03H1/22 G07D7/12 (Advanced/Invention); B42D15/00 B42D15/10 G03H1/02 G03H1/04 G07D7/00 (Core/Invention)
International (IPC 1-7): G03H1/04
CPC: G03H1/2249 G03H2210/20 G03H1/041 G03H1/0011 G03H1/0244 G03H1/0486 G03H2001/2236 G03H2001/2268 G03H2210/33 B42D25/328 G03H2001/0421 G03H2001/2242

G03H2001/2257 G03H2001/2263 G03H2001/2281 G03H2223/12
European: B42D15/10D G03H1/04A4 S03H1/00A1 S03H1/02H1
 S03H1/04Q S03H1/22A3 S03H1/22H2R S03H210/33
US: 283/86 359/2 359/2P 359/32 359/33



Family:

Publication number	Publication date	Application number	Application date
AU2005204754 AA	20050728	AU20050204754	20050113
AU2005204754 BB	20100211	AU20050204754	20050113
CA2553204 AA	20060711	CA20052553204	20050113
CN1910523 A	20070207	CN200580002351	20050113
CN1910523 B	20111207	CN200580002351	20050113
EA009686 B1	20080228	EA20060001314	20050113
EA200601314 A1	20070629	EA20060001314	20050113
EP1704447 A1	20060927	EP20050701869	20050113
GB200400681 A0	20040218	GB20040000681	20040113
UA88157 C2	20090925	UA20060008994	20050113
US2007216975 AA	20070920	US20050585189	20050113
US7839546 BB	20101123	US20050585189	20050113
WO05069085 A1	20050728	WO2005GB00101	20050113

Priority:

GB20040000681 20040113 WO2005GB00101 20050113

Probable Assignee: DE LA RUE INT LTD

Assignee(s): (std): HOLMES BRIAN W ; HOLMES BRIAN WILLIAM ; RUE DE INT LTD

Assignee(s): DE LA RUE INT ; DE LA RUE INT LTD ; DE LA RUE INTERNATIONAL LIMITED ; LA RUE INT DE LTD ; LA RUE INTERNATIONAL DE LIMITED

Inventor(s): (std): HOLMES BRIAN W ; HOLMES BRIAN WILLIAM ; WILLIAM HOLMES BRIAN

Inventor(s): BRIAN WILLIAM HOLMES ; HOLMES BRIAN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; OLIFF AND BERRIDGE PLC

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 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 NA 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

60) Family number: 33357388 (US2003209893A)

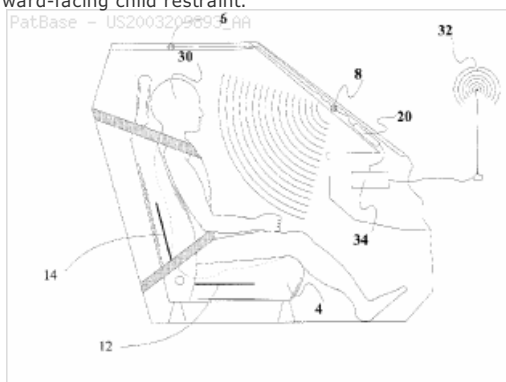
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Title: OCCUPANT SENSING SYSTEM

Abstract: Optical classification method for classifying an occupant in a vehicle by acquiring images of the occupant from a single camera and analyzing the images acquired from the single camera to determine a classification of the occupant. The single camera may be a digital CMOS camera, a high-power near-infrared LED, and the LED control circuit. It is possible to detect brightness of the images and control illumination of an LED in conjunction with the acquisition of images by the single camera. The illumination of the LED may be periodic to enable a comparison of resulting images with the LED on and the LED off so as to determine whether a daytime condition or a nighttime condition is present. The position of the occupant can be monitored when the occupant is classified as a child, an adult or a forward-facing child restraint.

Classifications:

International (IPC 8-9): B60J10/00 B60N2/00 B60N2/015 B60N2/02 B60N2/06 B60N2/28 B60N2/48 B60N2/66 B60Q1/14 B60R16/02 B60R16/037 B60R21/01 B60R22/20 E05F15/00 G01F23/00 G01F23/20 G01F23/296 G01G19/414 G01S15/87 G01S15/88 G01S17/88 G01S7/41 G01S7/48 G01S7/539 G06F7/00 G06K9/00 (Advanced/Invention); B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015 B60R21/16 B60R21/20 B60R21/203 B60R21/215 B60R21/231 B60R21/26 B60R21/276 B60R22/28 B60R22/46 B60R22/48 G01S13/04 G01S15/04 G01S15/06 G01S17/89 G06K9/36 (Advanced/Non-invention); B60J10/00 B60N2/00 B60N2/005 B60N2/02 B60N2/26 B60N2/48 B60N2/64 B60Q1/14 B60R16/02 B60R16/037 B60R21/01 B60R22/18 E05F15/00 G01F23/00 G01F23/296 G01G19/40 G01S15/00 G01S17/00 G01S7/02 G01S7/48 G01S7/539 G06F7/00 G06K9/00 (Core/Invention); B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015 B60R21/16 B60R21/20 B60R21/23 B60R21/26 B60R22/00 B60R22/28 B60R22/46 G01S13/00 G06K9/36 (Core/Non-invention)
International (IPC 1-7): B60R21/32 E05F15/00 G06F17/00
CPC: B60N2002/0272 B60R21/013 B60J10/00 B60N2/002 B60N2/015 B60N2/0232 B60N2/0244 B60N2/0248 B60N2/0252 B60N2/0276 B60N2/067 B60N2/28 B60N2/2806 B60N2/2863 B60N2002/0268 B60R16/037 B60R21/0132 B60R21/0134 B60R21/0136 B60R21/203 B60R21/21656 B60R21/276 B60R22/20 B60R22/201 B60R25/25 B60R25/252 B60R25/255



B60R25/257 B60R2001/1223 B60R2001/1253 B60R2021/0027 B60R2021/01315 B60R2021/23153 B60R2021/26094
 B60R2021/2765 B60R2022/208 B60R2022/288 B60R2022/4685 B60R2022/4825 E05Y2900/55 G01S7/417 G01S7/4802
 G01S7/539 G01S13/04 G01S15/04 G01S15/06 G01S15/87 G01S15/88 G01S17/88 G01S17/89 G06K9/00362 G06K9/00832
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European: B60J10/00 B60N2/00C B60N2/015 B60N2/02B4 B60N2/02B6 B60N2/02B6B B60N2/02B6C B60N2/02B6W
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 B60R16/02B8 B60R16/037 B60R21/013 B60R21/0136 B60R21/015 B60R22/20 B60R25/25 B60R25/25B B60R25/25D
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 P05F15/00B6B5R P05Y900/550 S01S13/04 S01S15/04 S01S15/06 S01S17/89 S10K210/1282 S10K210/3219
US: 280/735 280/735P 382/100 382/156 701/44 701/45 701/45S

Family:

Publication number	Publication date	Application number	Application date
US2003209893 AA	20031113	US20030413426	20030414
US7415126 BB	20080819	US20030413426	20030414

Priority:

US19920878571	19920505	US19930040978	19930331	US19940239978	19940509
US19950474786	19950607	US19950474783	19950607	US19950505036	19950721
US19960640068	19960430	US19970798029	19970206	US19970905876	19970804
US19970905877	19970804	US19970919823	19970828	US19970970822	19971114
US19980047703	19980325	US19980047704	19980325	US19980128490	19980804
US19980193209	19981117	US19980200614	19981130	US19980114507P	19981231
US19990136163P	19990527	US19990382406	19990824	US19990389947	19990903
US19990409625	19991001	US19990437535	19991110	US19990448337	19991123
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US20010891432	20010626	US20010901879	20010709	US20010925043	20010808
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US20030413426	20030414				

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

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

Assignee(s): AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AMERICAN VEHICULAR SCIENCES LLC

Inventor(s): (std): BREED DAVID S ; DUVAL WILBUR E ; JOHNSON WENDELL C ; CHEN TIE QI

Agent(s): ROFFE BRIAN; BRIAN

61) Family number: 42801106 (US2009014526A)

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Title: SCANNING DEVICE FOR SCANNING INTERFACE SURFACE OF PRODUCT ITEM

Abstract: A scanning device is provided which has a beam emitter for emitting a beam, a deflector for deflecting the beam to generate a raster scan pattern over a scanning patch on a product item, a sensor for receiving a reflected beam from the scanning patch and sensing from the reflected beam data encoded by coded tags printed on an interface surface of the product item, and a processor for determining a description of the interface surface and at least one region of interface surface. The data encoded by each tag includes an identity of the product item, an identity of the interface surface and the position of the respective tag on the interface surface. The processor determines the description from the sensed interface surface identity and determined the region from the determined description and at least one of the position of the sensed tag and a position of the scanning patch relative to the interface surface.

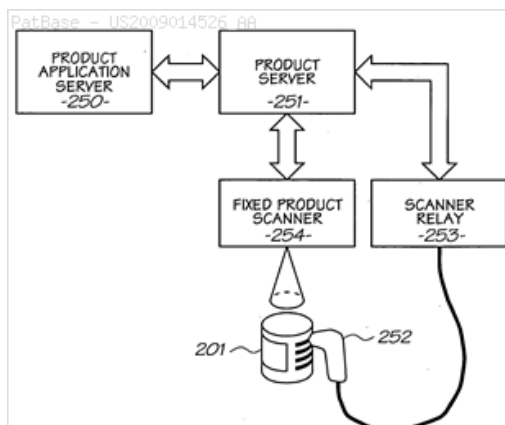
Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00
 G06Q30/02 G06Q30/06 H04N1/024 H04N1/04 (Advanced/Invention)

CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554
 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00
 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217
 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601
 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742
 H04N5/37457 H04N5/3765 H04N5/378

European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2
 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00
 G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212
 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267
 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C
 H04N5/374B H04N5/376A H04N5/378 T04N5/33

US: 235/462.01 235/462.14 235/462.24 235/462.25 235/462.32
 235/462.38 235/462.39 235/470 235/470P 348/E3.021 348/E30.21S 358/473 358/473P 358/474



Family:

Publication number	Publication date	Application number	Application date
US2009014526 AA	20090115	US20080234687	20080921
US2010046040 AA	20100225	US20090605959	20091026
US7612923 BB	20091103	US20080234687	20080921
US7961360 BB	20110614	US20090605959	20091026

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815610 20040402
 US20080234687 20080921 US20090605959 20091026

Probable Assignee: SILVERBROOK RESEARCH PTY LTD
Assignee(s): (std): SILVERBROOK RES PTY LTD
Assignee(s): SILVERBROOK RESEARCH PTY LTD
Inventor(s): (std): LAPSTUN PAUL ; RUSMAN JAN ; SILVERBROOK KIA
Agent(s): SILVERBROOK RESEARCH PTY LTD

62) Family number: 33462232 (EP1616289A1)

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Title: SENSING DEVICE FOR CODED DATA

Abstract: A method of enabling entry of data into a computer system via a printed form is provided. The method comprises the steps of: (i) providing the printed form, the form containing human-readable information and machine-readable coded data, the coded data being indicative of an identity of the form and of a plurality of locations on the form; (ii) operatively positioning a sensing device relative to the form; (iii) sensing at least some of the coded data; (iv) generating indicating data using the sensed coded data, the indicating data being indicative of the identity of the form and the position of the sensing device relative to the form; and (v) sending the indicating data to a computer system, thereby enabling the computer system to identify the data for entry. The coded data comprises an ink composition containing an IR-absorbing dye and a singlet oxygen quencher.

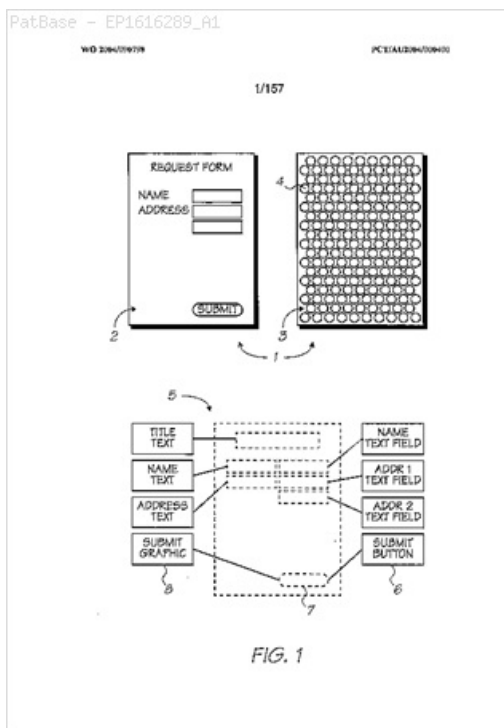
Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 H04N3/15 (Advanced/Invention)

International (IPC 1-7): G06K9/78

CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378

European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00 G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C H04N5/374B H04N5/376A H04N5/378 T04N5/33



Family:

Publication number	Publication date	Application number	Application date
CA2521390 AA	20050916	CA20042521390	20040402
CA2521390 C	20120103	CA20042521390	20040402
EP1616289 A1	20060118	EP20040725242	20040402
EP1616289 A4	20080402	EP20040725242	20040402
IL171050 A1	20110731	IL20040171050	20040402

Priority:

AU20030901617 20030407 AU20030901795 20030415 WO2004AU00400 20040402

Probable Assignee: SILVERBROOK RES PTY LTD

Assignee(s): (std): LAPSTUN PAUL ; SILVERBROOK RES PTY LTD ; SILVERBROOK KIA

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; HENDERSON PETER CHARLES BOYD ; SILVERBROOK RESEARCH PTY LIMITED ; YOURLO ZHENYA ALEXANDER ; UNDERWOOD MATTHEW JOHN ; SILVERBROOK RESEARCH PTY LTD ; MOINI ALIREZA ; RIDLEY NICHOLAS DAMON ; RUSMAN JAN

Inventor(s): (std): RIDLEY NICHOLAS DAMON ; YOURLO ZHENYA ALEXANDER ; UNDERWOOD MATTHEW JOHN ; SILVERBROOK KIA ; RUSMAN JAN ; MOINI ALIREZA ; LAPSTUN PAUL ; HENDERSON PETER CHARLES BOYD

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; LUZZATTO AND LUZZATTO

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

63) Family number: 57696478 (US2016110638A)

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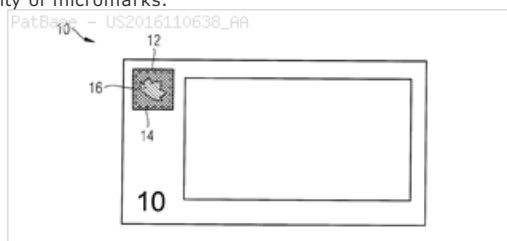
Title: OPTICALLY VARIABLE SECURITY ELEMENT

Abstract: An optically variable security element, for security papers, value documents and other data carriers, includes a single or multilayer central body having opposing first and second main surfaces, an arrangement of microlenses on the first main surface of the central body, the microlenses having a refractive effect defining a focal plane, a laser-sensitive recording

layer arranged on the second main surface of the central body, a mask layer arranged between the arrangement of microlenses and the laser-sensitive recording layer and outside of the focal plane of the microlenses, and a plurality of micromarks produced in the laser-sensitive recording layer by the action of laser radiation, each micromark being associated with a microlens and being visible when the security element is viewed through the associated microlens. The mask layer comprises a macroscopic gap region that is in register with the plurality of micromarks.

Classifications:

International (IPC 8-9): B42D15/00 B42D25/00 B42D25/30
B42D25/324 B42D25/342 B42D25/346 B42D25/373 B42D25/41
B42D25/425 B42D25/43 B42D25/435
G06K19/077 (Advanced/Invention);
B42D25/324 B42D25/346 (Advanced/Non-invention)
CPC: G06K19/07722 B42D25/00 B42D25/324 B42D25/342
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B42D2033/18 B42D2033/22 B42D2033/24 B42D2035/20
B42D2035/36 B42D2035/44
US: 235/488



Family:

Publication number	Publication date	Application number	Application date
■ CN105228836 A	20160106	CN201480028995	20140428
■ CN105228836 B	20170412	CN201480028995	20140428
■ DE102013007484 A1	20141030	DE201310007484	20130429
■ EP2991837 A1	20160309	EP20140721763	20140428
■ US2016110638 AA	20160421	US20140787646	20140428
■ US9697456 BB	20170704	US20140787646	20140428
■ WO14177267 A1	20141106	WO2014EP01129	20140428

Priority:

DE201310007484 20130429 WO2014EP01129 20140428

Probable Assignee: GIESECKE AND DEVRIENT CURRENCY TECHNOLOGY GMBH

Assignee(s): (std): GIESECKE AND DEVRIENT GMBH

Assignee(s): GIESECKE AND DEVRIENT CURRENCY TECHNOLOGY GMBH

Inventor(s): (std): GREGAREK ANDRE ; HOFFMUELLER WINFRIED ; HOFFMULLER WINFRIED ; RAHM MICHAEL ; SCHINABECK JOSEF

Agent(s): WORKMAN NYDEGGER

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

64) Family number: 42386790 (US2008149710A)

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Title: SHOPPING CART SYSTEM WITH AUTOMATIC SHOPPING ITEM TOTAL CALCULATOR

Abstract: A shopping cart system includes a shopping cart. The shopping cart includes a receptacle to hold shopping items bearing coded data tags. A scanning device is mounted to the shopping receptacle and is configured to scan the data tags of the shopping items to thereby determine the identity of the shopping items. A computer system is configured to calculate the total cost of the scanned shopping items using the determined identity of the shopping items.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00
G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)
CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554
G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00
G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217
G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601
H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742
H04N5/37457 H04N5/3765 H04N5/378
European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2
G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00
G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212
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G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C
H04N5/374B H04N5/376A H04N5/378 T04N5/33
US: 235/380 235/380P 235/383 235/383P 235/385 348/E3.021
348/E30.21S 705/14



Family:

Publication number	Publication date	Application number	Application date
■ US2008149710 AA	20080626	US20080043851	20080306
■ US2010096450 AA	20100422	US20090649009	20091229
■ US7648068 BB	20100119	US20080043851	20080306

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815647 20040402
US20080043851 20080306 US20090649009 20091229

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD

Inventor(s): (std): SILVERBROOK KIA ; LAPSTUN PAUL

65) Family number: 54627767 (US2015036872A)

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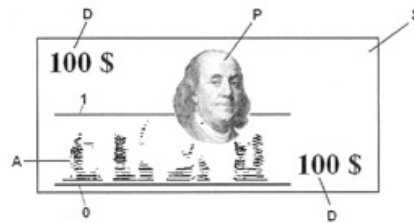
Title: AUDIBLE DOCUMENT IDENTIFICATION FOR VISUALLY IMPAIRED PEOPLE

Abstract: Disclosed is a document or article carrying information for the audible authentication of said document or article, wherein the information is present in or on said document or article in the form of a frequency-versus-time spectral density function (spectrogram), the spectrogram being embodied using document security means. Disclosed are further a method for producing said document or article; a reader device for displaying audible authentication information from said document or article, a method for authenticating said document or article and the use of a spectrogram for document authentication purposes.

Classifications:

International (IPC 8-9): B42D25/23 B42D25/29 B42D25/30
B42D25/305 B42D25/333 B42D25/346 B42D25/369 B42D25/378
B42D25/41 B42D25/42 B42D25/435 G06K9/00 G06K9/20 G06T1/00
G07D G07D7/00 G07D7/08 G07D7/20
G10L21/12 (Advanced/Invention);
G07D7/08 (Core/Invention);
G07D (Subclass/Invention)
CPC: G10L21/12 G06T1/0085 G06K9/00463 G06K9/2018 B42D25/30
G06T2201/0052 G06T2201/0062 G06T2201/0065 G07D7/08
US: 283/82 358/3.28 382/100

PatBase - US2015036872_AA

**Family:**

Publication number	Publication date	Application number	Application date
AR090101 AA	20141022	AR2013P100513	20130221
AU2013224304 AA	20130829	AU20130224304	20130207
AU2013224304 BB	20151029	AU20130224304	20130207
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BR112014015868 A8	20170704	BR20141115868	20130207
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CA2860254 AA	20140623	CA20132860254	20130207
CN104160430 A	20141119	CN201380010689	20130207
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HK1199535 A1	20150703	HK20140113136	20141231
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IN04595DN2014 A	20150508	IN2014DN04595	20140606
JP2015513481 T2	20150514	JP20140558056T	20130207
KR20140130105 A	20141107	KR20147019249	20130207
MA35922 B1	20141201	MA20140037320	20140904
MX2014009402 A1	20141110	MX20140009402	20130207
PH2014501539 A	20140922	PH20140501539	20140703
RU2014138222 A	20160410	RU20140138222	20130207
SG11201404511T A1	20140926	SG20141104511	20130207
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TW201342310 A	20131016	TW20130105994	20130221
US2015036872 AA	20150205	US20130380443	20130207
WO13124160 A1	20130829	WO2013EP52404	20130207

Priority:

EP20120000121 20120223 EP20120001217 20120223 WO2013EP52404 20130207
EP20130702657 20130207

Probable Assignee: SICPA HOLDING SA**Assignee(s):** (std): SICPA HOLDING SA**Assignee(s):** SICPA HOLDING SAAVENUE DE FLORISSANT 41CH-1008PRILLYCH ; MULLER EDGAR**Inventor(s):** (std): EDGAR MULLER ; MUELLER EDGAR ; MULLER EDGAR ; EDGAR MUELLER**Inventor(s):** MULLER EDGARCH

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; OSLER HOSKIN AND HARCOURT LLP; HOFFMANN EITL;
ZHONGZI IP; DORA AM BADAR SPSI; SCHOEN ANNE 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
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66) Family number: 42859539 (US2009149340A)

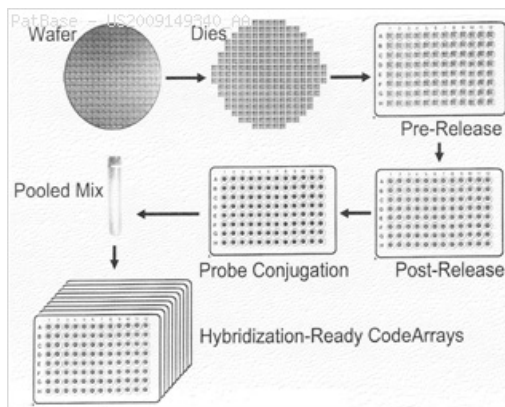
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Title: ENCODED MICROPARTICLES

Abstract: Microparticles including spatially coded microparticles, systems for imaging and methods of detecting such microparticles as well as using the same in bioassays are provided.

Classifications:

International (IPC 8-9): B01J19/00 B23B5/16 B32B17/02 B32B9/00 C12M3/00 C12N11/00 C12N9/96 C40B30/00 C40B30/04 C40B40/00 G01N33/543 G06K7/00 (Advanced/Invention); G01N21/64 (Advanced/Non-invention); B23B5/00 B32B17/02 B32B9/00 C12M3/00 C12N11/00 C12N9/96 C40B30/00 C40B30/04 C40B40/00 G06K7/00 (Core/Invention)
CPC: G01N33/54313 B01J2219/005 B01J2219/00502 B01J2219/00513 B01J2219/00527 B01J2219/00547 B01J2219/00549 B01J2219/00558 B01J2219/0056 G01N33/54366 G01N2021/6441 Y10T428/2982 Y10T428/2991
European: G01N33/543D G01N33/543K L01J219/00C2L2 L01J219/00C2L3 L01J219/00C2L7 L01J219/00C2L8 L01J219/00C2N6 L01J219/00C2N6B L01J219/00C2N8D L01J219/00C2N8F S01N21/64H7A
US: 235/439 235/439S 428/402 428/402S 428/403 428/403S 435/174 435/174S 435/188 435/188S 436/518 436/518S 506/13 506/13S 506/7 506/7S 506/9 506/9P



Family:

Publication number	Publication date	Application number	Application date
CN102083575 A	20110601	CN200880101407	20080625
CN102083575 B	20140917	CN200880101407	20080625
EP2173509 A2	20100414	EP20080826571	20080625
EP2173509 A4	20131106	EP20080826571	20080625
US2009149340 AA	20090611	US20080215607	20080625
US8883691 BB	20141111	US20080215607	20080625
WO09014848 A2	20090129	WO2008US68246	20080625
WO09014848 A3	20091230	WO2008US68246	20080625

Priority:

US20070946127P 20070625 US20080215607 20080625 WO2008US68246 20080625

Probable Assignee: AFFYMETRIX INC

Assignee(s): (std): AFFYMETRIX INC ; TRUE MATERIALS INC ; TRUE RANDALL J

Assignee(s): BANK OF AMERICA NA ADMINISTRATIVE AGENT AS ; GENERAL ELECTRIC CAPITAL AGENT AS CORP

Inventor(s): (std): TRUE RANDALL J

Agent(s): JAPPY JOHN WILLIAM GRAHAM; COOLEY GODWARD KRONISH LLP,ATTN: PATENT GROUP; COOLEY GODWARD KRONISH LLP ATTN PATENT GROUP; COOLEY LLP; COOLEY GODWARD KRONISH LLP

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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

67) Family number: 41933060 (US2008144944A)

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Title: NEURAL NETWORK SYSTEMS FOR VEHICLES

Abstract: Method for obtaining information about an occupying item in a space in a vehicle in accordance with the invention includes obtaining images of an area above a seat in the vehicle in which the occupying item is situated and classifying the occupying item by inputting signals derived from the images into a trained neural network form which is trained to output an indication of the class of occupying item from one of a predetermined number of possible classes. The method is applicable for various vehicles including automobiles, trucks, buses, airplanes and boats. The images may be pre-processed to remove background portions of the images and then converted into signals for input into the neural network form.

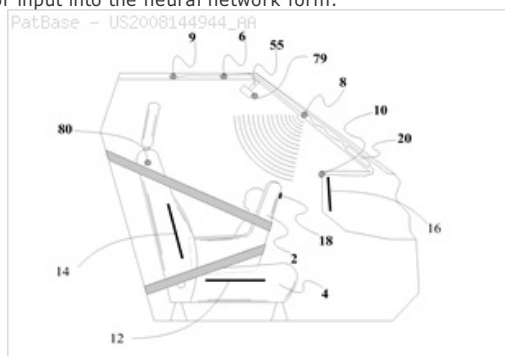
Classifications:

International (IPC 8-9): G06K9/00 G06K9/62 (Advanced/Invention); G06K9/62 (Core/Invention)

CPC: G06K9/00369 G06K9/00832

European: G06K9/00H1 G06K9/00V7

US: 382/100 382/103 382/104 382/224 382/224P 382/312



Family:

Publication number	Publication date	Application number	Application date
US2008144944 AA	20080619	US20080039427	20080228
US7660437 BB	20100209	US20080039427	20080228

Priority:

US19920878571 19920505 US19930040978 19930331 US19940239978 19940509
US19950474786 19950607 US19950474783 19950607 US19950505036 19950721
US19960640068 19960430 US19970798029 19970206 US19970905876 19970804
US19970905877 19970804 US19970919823 19970828 US19970970822 19971114
US19970992525 19971217 US19980047703 19980325 US19980047704 19980325
US19980128490 19980804 US19980193209 19981117 US19980200614 19981130
US19980114507P 19981231 US19990136163P 19990527 US19990382406 19990824
US19990389947 19990903 US19990409625 19991001 US19990437535 19991110

raster scan pattern over a scanning patch, the scanning patch being positioned to cause the exposure of the at least one coded data portion when the surface and the sensing device are positioned operatively with respect to each other; (b) a photodetector for detecting reflection of the scanning beam from the surface, thereby to capture sample information; (c) at least one analog to digital converter for converting the captured sample information into sample data; (d) a first framestore for storing successive sample data as image data; (e) an image processor for processing the image data to generate processed image data; (e) a host processor for generating the interaction data based at least partially on the processed image data.

Classifications:

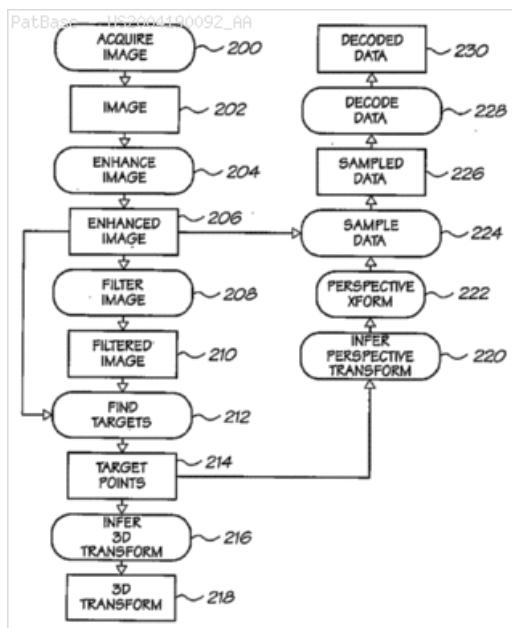
International (IPC 8-9): G06F3/03 G06F3/033 G06F7/00 H04N1/04 H04N1/46 (Advanced/Invention); H04N1/107 H04N1/32 (Advanced/Non-invention)

International (IPC 1-7): H04N1/46

CPC: H04N1/00968 G06F3/0321 G06F3/03545 H04N1/00244 H04N1/00326 H04N1/00358 H04N1/00376 H04N1/107 H04N1/32133 H04N1/32778 H04N2201/3205 H04N2201/3207 H04N2201/3226 H04N2201/3242 H04N2201/3243 H04N2201/3247 H04N2201/3249 H04N2201/327 H04N2201/3271 H04N2201/3278

European: G06F3/0354N G06F3/03H3 H04N1/00C22 H04N1/00C3K H04N1/00D2B2 H04N1/00D2B4 H04N1/00W2 H04N1/327F4M T04N1/107 T04N1/32C17B T04N201/32C10 T04N201/32C2B T04N201/32C2C T04N201/32C4B T04N201/32C4E T04N201/32C4F T04N201/32C4K T04N201/32C4L T04N201/32C6B T04N201/32C7

US: 235/462.45 235/462.46 235/472.01 235/472.02 235/494 358/474 358/474S 358/539 358/539P



Family:

Publication number	Publication date	Application number	Application date
US2004190092 AA	20040930	US20040815649	20040402

Priority:

AU1999PQ02912 19990917	AU1999PQ03632 19991025	AU20020952259 20021025
US20020309358 20021204	AU20030900746 20030217	AU20030900983 20030304
AU20030901617 20030407	US20030409864 20030409	AU20030901795 20030415
US20040815649 20040402		

Probable Assignee: HENDERSON PETER CHARLES BOYD

Assignee(s): HENDERSON PETER CHARLES BOYD ; LAPSTUN PAUL ; MOINI ALIREZA ; RIDLEY NICHOLAS DAMON ; RUSMAN JAN ; SILVERBROOK KIA ; YOURLO ZHENYA ALEXANDER ; UNDERWOOD MATTHEW JOHN

Inventor(s): (std): HENDERSON PETER CHARLES BOYD ; LAPSTUN PAUL ; MOINI ALIREZA ; RIDLEY NICHOLAS DAMON ; RUSMAN JAN ; SILVERBROOK KIA ; UNDERWOOD MATTHEW JOHN ; YOURLO ZHENYA ALEXANDER

70) Family number: 56664037 (US2015302677A)

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Title: NON-PERIODIC TILING DOCUMENT SECURITY ELEMENT

Abstract: The present invention is related to a security element comprising, as an authentication and forgery-protection means, a 2-dimensional non-periodic, quasi-crystalline tiling, said tiling being embodied in the form of a material or a material modification in or on said element. The present invention is also related to a document comprising said security element, the use of said security element as an authentication and forgery-protection means for a document, as well as to a method protecting a document against forgery, comprising a step of embodying a 2-dimensional non-periodic, quasi-crystalline tiling, in the form of a material or a material modification in or on a security element comprised by said document. The present invention is also related to a method for authenticating a document carrying a 2-dimensional non-periodic, quasi-crystalline tiling as an authenticating feature, comprising a step of calculating the Fourier Transform of an acquired image of said document or article and comparing the discrete parts of said Fourier Transform with the discrete Fourier Transform of a 2-dimensional non-periodic, quasi-crystalline tiling serving as the authenticating feature, hereby deriving an authenticity indication.

Classifications:

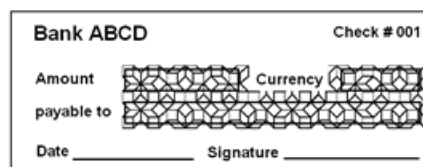
International (IPC 8-9): B41M3/14 B42D B42D15/00 B42D25/20 B42D25/29 B42D25/346 B42D25/36 G06T11/00 G07D7/20 (Advanced/Invention); B42D (Subclass/Invention)

International (IPC 1-7): B42D15/00

CPC: B41M3/14 B42D25/29 G06T11/001 G07D7/2041 B42D25/378 B42D25/21 G07D7/2016 B42D2035/14 B42D2035/34

US: 382/137

PatBase - US2015302677_AA



Family:

Publication number	Publication date	Application number	Application date
AU2013354454 AA	20140612	AU20130354454	20131023
BR112015008388 A2	20171003	BR20151108388	20131023
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DE602013047838 D1	20181227	DE201360047838T	20131023
EP2928697 A1	20151014	EP20130779883	20131023
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HK1209697 A1	20160408	HK20150110312	20151020
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KR20150093779 A	20150818	KR20157018119	20131023
RU2015127024 A	20170112	RU20150127024	20131023
US2015302677 AA	20151022	US20130650167	20131023
WO14086531 A1	20140612	WO2013EP72148	20131023
ZA201503590 A	20180228	ZA20150003590	20150521

Priority:

EP20120196020 20121207 EP20130779883 20131023 WO2013EP72148 20131023

Probable Assignee: SICPA HOLDING SA

Assignee(s): (std): SICPA HOLDING SA

Assignee(s): MULLER EDGAR

Inventor(s): (std): MLLER EDGAR ; MUELLER EDGAR ; MULLER EDGAR

Inventor(s): EDGAR MUELLER

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; OSLER HOSKIN AND HARCOURT LLP; HEPP WENGER RYFFEL AG; ZHONGZI IP; HEPP DIETER 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

71) Family number: 41464625 (AU2007254711A)

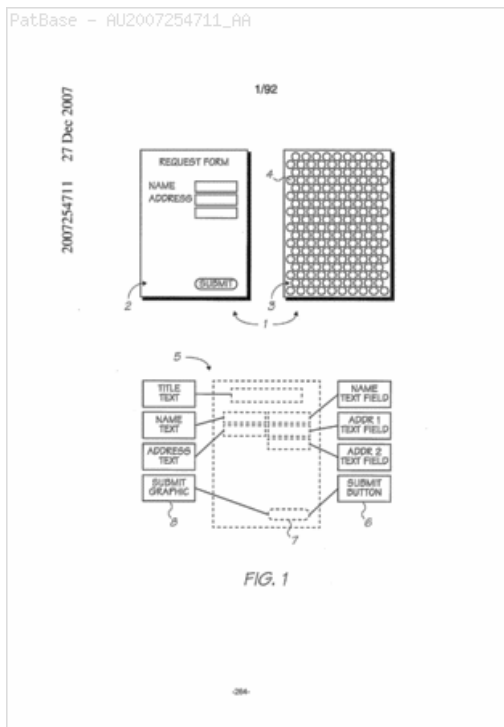
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Title: Printing Coded Data

Abstract: C A method of printing an interface surface associated with a product item, the method including in a computer system: determining product identity data indicative of an identity of the product item; and, controlling a printer to thereby print a plurality of coded data portions on the interface surface, each coded data portion being indicative of the product identity data such the product identity data can be determined by sensing any one of the coded data portions with a sensing device. C'] C C

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention); B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
AU2007254711 AA	20080124	AU20070254711	20071227
AU2007254711 BB	20100826	AU20070254711	20071227

Priority:

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
AU20070254711 20071227

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK

Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA

Inventor(s): KIA SILVERBROOK ; PAUL LAPSTUN

Agent(s): SILVERBROOK RESEARCH PTY LTD

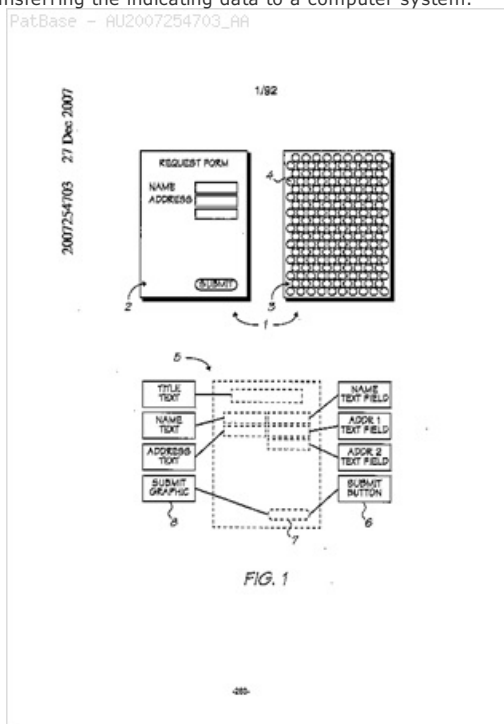
Title: Combined Sensing Device

Abstract: A sensing device for sensing a product item provided in a sensing region, wherein the product item includes an interface surface having disposed thereon at least one of: coded data which includes, at a plurality of locations on the interface surface, a plurality of corresponding plurality of coded data portions, each coded data portion being indicative of an identity of the product item; and, a barcode which encodes an identifier; the sensing device including: a coded data sensor for sensing at least one coded data portion; a barcode sensor for sensing the barcode; a processor for generating identity data indicative of the identity of the product item using at least one of: the at least one sensed coded data portion; and, the barcode; a communicator for transferring the indicating data to a computer system.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention); B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Core/Invention)

PatBase - AU2007254703_AA



Family:

Publication number	Publication date	Application number	Application date
AU2007254703 AA	20080124	AU20070254703	20071227
AU2007254703 BB	20100603	AU20070254703	20071227

Priority:

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
AU20070254703 20071227

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK

Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA

Inventor(s): KIA SILVERBROOK ; PAUL LAPSTUN

Agent(s): SILVERBROOK RESEARCH PTY LTD

Title: Shopping Receptacle with In-Built User Interface

Abstract: A shopping receptacle for facilitating interaction between a user and a computer system, the receptacle being adapted to receive and retain a product item having an interface surface associated therewith, the interface surface having disposed thereon or therein coded data including a plurality of coded data portions, each coded data portion being indicative of the identity of the product item, wherein the receptacle comprises: a receptacle body adapted to receive and retain the product item; and, a sensing device adapted to: sense at least some of the coded data on the interface surface of the product item as it is positioned in a sensing region; and, generate, using the sensed coded data, indicating data indicative of the identity of the product item; and, transfer the indicating data to the computer system; and, a user interface for facilitating the interaction with the computer system, the interaction being performed using the indicating data.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention); B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Core/Invention)

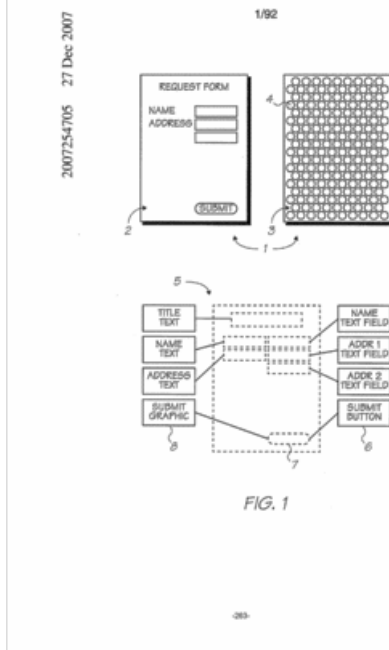
Publication number	Publication date	Application number	Application date
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AU2007254710 BB	20100701	AU20070254710	20071227

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
AU20070254710 20071227

4) Family number: 41464682 (AU2007254705A) © PatBase

Abstract: A shopping receptacle, the shopping receptacle being adapted to receive and retain a Uproduct item, the product item having an interface surface associated therewith, the interface surface having disposed thereon or therein coded data including a plurality of coded data portions, each coded data portion being indicative of an identity of the product item, wherein the receptacle comprises: a receptacle body adapted to receive and retain the product item and having an opening Othrough which the product item may be placed within the receptacle body; and, a sensing device adapted to: emit at least one scanning beam across the opening of the receptacle body; (ii) sense at least one coded data portion on the interface surface of the product item as C the product item is positioned in the receptacle opening; and (iii) generate, using the at least one sensed coded data portion, indicating data indicative of the identity of the product item.

International (c.c-8-9): B4112/01 C09B49/12 C09B57/10
C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention);
B4112/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00
G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00
G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06
G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14
G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00
H04N1/04 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
AU2007254705 AA	20080124	AU20070254705	20071227
AU2007254705 BB	20100624	AU20070254705	20071227

Priority:

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
 AU20070254705 20071227

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK

Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA

Inventor(s): KIA SILVERBROOK ; PAUL LAPSTUN

Agent(s): SILVERBROOK RESEARCH PTY LTD

75) Family number: 41464783 (AU2007254707A)

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Title: Shopping Receptacle with In-Built Scales

Abstract: UA shopping receptacle for receiving and retaining a product item having an interface surface associated therewith, the interface surface having disposed thereon or therein coded data including a plurality of coded data portions, each coded data portion being indicative of an identity of the product item, wherein the receptacle comprises: a receptacle body adapted to receive and retain the product item and having an opening through which the product item may be placed within the receptacle body; a sensing device adapted to sense at least some of the coded data on the interface surface of the product item as the product item is placed within the receptacle body, and generate indicating data indicative of the identity of the product item; and, O a weighing device for sensing the weight of the product item, and generating weight data indicative of the sensed weight, the weight data and the product item identity being provided to a computer system which: determines, using the indicating data, an indicated weight of the product item in accordance with weight indications stored in a data store; (ii) compares the indicated weight to the sensed weight; and, (iii) is responsive to the comparison.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention);
 B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00
 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00
 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06
 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14
 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00
 H04N1/04 (Core/Invention)

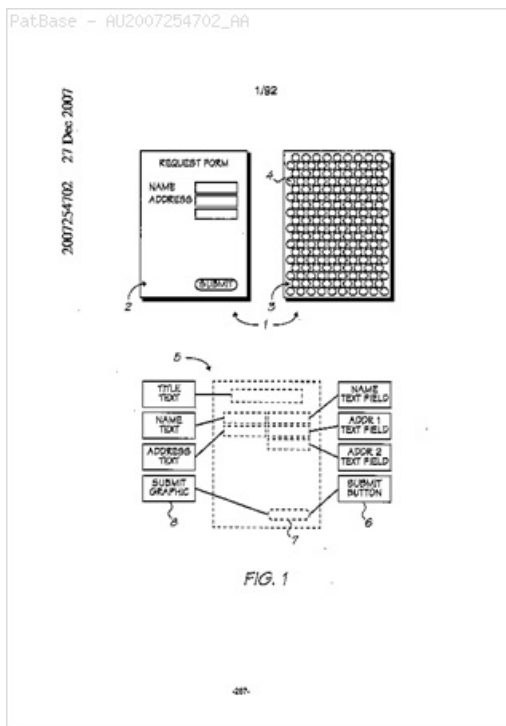
Publication number	Publication date	Application number	Application date
AU2007254707 AA	20080124	AU20070254707	20071227
AU2007254707 BB	20100624	AU20070254707	20071227

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
AU20070254707 20071227

76) Family number: 41464513 (AU2007254702A) © PatBase

Abstract: A method of assembling an object using a component, the component having an interface surface having coded data disposed thereon or therein, each coded data portion being indicative of an identity of the component, wherein the method includes, in a sensing device: sensing coded data on the component; generating, using the sensed coded data, indicating data indicative of the identity of the component; and, transferring the indicating data to at least one of: an assembly system which is responsive to the indication to assemble the object; and, (ii) a computer system which is responsive to the indication to cause an assembly system to assemble the object.

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention); B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
AU2007254702 AA	20080124	AU20070254702	20071227
AU2007254702 BB	20100401	AU20070254702	20071227

Priority:

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
 AU20070254702 20071227

Probable Assignee: SILVERBROOK RESEARCH PTY LTD
Assignee(s): (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD
Assignee(s): SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK
Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA
Inventor(s): KIA SILVERBROOK ; PAUL LAPSTUN
Agent(s): SILVERBROOK RESEARCH PTY LTD

77) Family number: 41464844 (AU2007254709A)

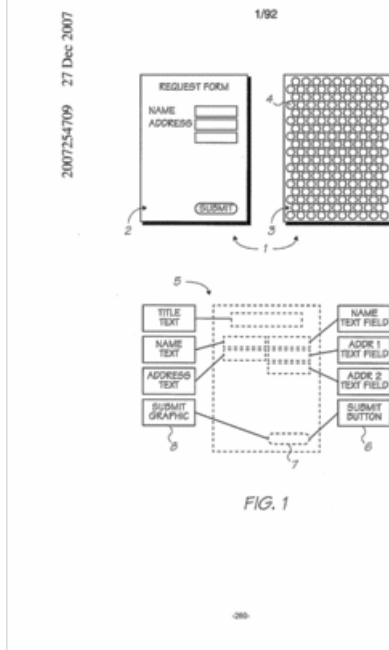
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Title: A Card for Facilitating User Interaction

Abstract: SA card for identifying a user to a computer system using a sensing device, the card having an U interface surface having disposed thereon or therein coded data, the coded data including a plurality of coded data portions, each coded data portion being indicative of an identity of the user, the sensing device being adapted to: sense at least one coded data portion; generate, using the at least one sensed coded data portion, indicating data indicative of the Oidentity of the user; and, transfer the indicating data to the computer system, the computer system being responsive 1 to determine, using the indicating data, the identity of the user. CNI C-- Cq

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention);
 B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00
 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00
 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06
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 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00
 H04N1/04 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
AU2007254709 AA	20080124	AU20070254709	20071227
AU2007254709 BB	20100624	AU20070254709	20071227

Priority:

AU20030901617 20030407	AU20030901617 20030407	AU20030901795 20030415
AU20040227426 20040402	AU20070254709 20071227	

Probable Assignee: SILVERBROOK RESEARCH PTY LTD**Assignee(s):** (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD**Assignee(s):** SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK**Inventor(s):** (std): LAPSTUN PAUL ; SILVERBROOK KIA**Inventor(s):** KIA SILVERBROOK ; PAUL LAPSTUN**Agent(s):** SILVERBROOK RESEARCH PTY LTD**78) Family number: 41464771 (AU2007254699A)**

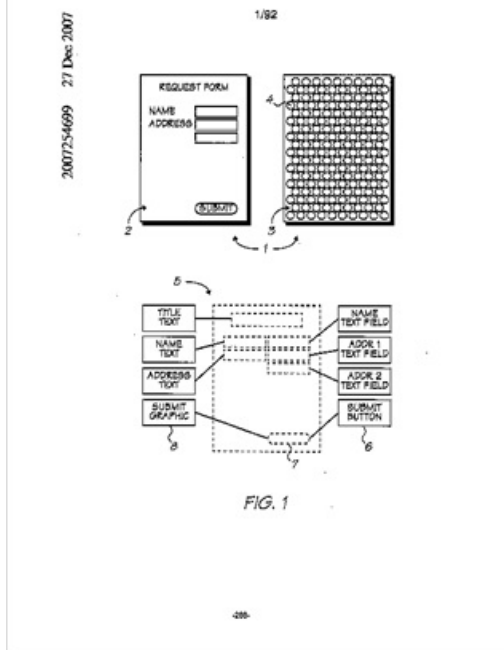
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Title: Automatic Packaging System

Abstract: C SA method of packing an object, the object having an interface surface having coded data U disposed thereon or therein, wherein the coded data includes a plurality of coded data portions, each coded data portion being indicative of an identity of the object, wherein the method includes, in a sensing device: C1 sensing at least one coded data portion; generating, using the sensed coded data portion, indicating data indicative of the identity of the object; and, transferring the indicating data to at least one of: a packing system which is responsive to the indication to pack the object. (ii) a computer system which is responsive to the indication to cause a packing system C to pack the object. Ce]

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention);
 B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00
 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00
 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06
 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14
 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00
 H04N1/04 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
AU2007254699 AA	20080124	AU20070254699	20071227
AU2007254699 BB	20090903	AU20070254699	20071227

Priority:

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
 AU20070254699 20071227

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK

Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA

Inventor(s): KIA SILVERBROOK ; PAUL LAPSTUN

Agent(s): SILVERBROOK RESEARCH PTY LTD

79) Family number: 41464871 (AU2007254700A)

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Title: Communication Facilitation

Abstract: CA method of facilitating communications using a product item, the product item including Uan associated interface surface, the interface surface having disposed thereon or therein coded data indicative of an identity of the product item, the method including, in a sensing device: sensing at least some of the coded data; generating, using the sensed coded data, indicating data indicative of the product item identity; and, transferring the indicating data to a computer system, the computer system being responsive to the indicating data to facilitate communications. C'- Cq

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention);
 B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00
 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00
 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06
 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14
 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00
 H04N1/04 (Core/Invention)

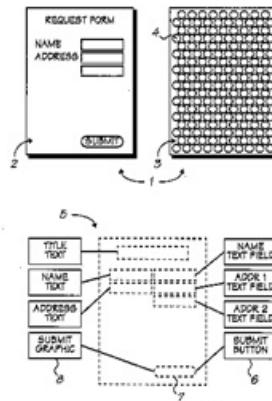


FIG. 1

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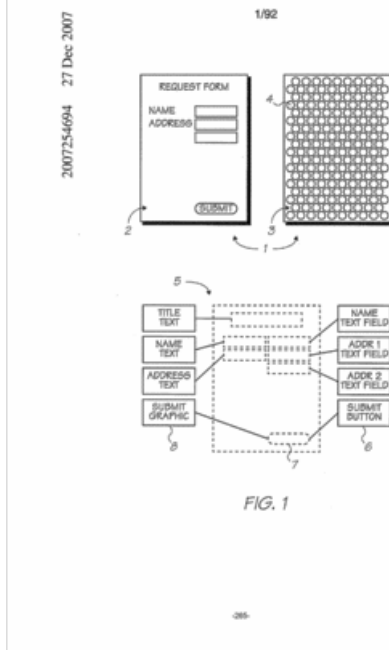
Publication number	Publication date	Application number	Application date
AU2007254700 AA	20080124	AU20070254700	20071227
AU2007254700 BB	20100401	AU20070254700	20071227

AU20030901617 20030407	AU20030901617 20030407	AU20030901795 20030415
AU20030901795 20030415	AU20040227426 20040402	AU20070254700 20071227

30) Family number: 41464593 (AU2007254694A)

Abstract: C Cl A method of maintaining a status of a product item, the product item including an U associated interface surface, the interface surface having disposed thereon or therein coded data d) including a plurality of coded data portions, each coded data portion being indicative of an identity of the product item, the method including, in a sensing device: C sensing at least one coded data portion; generating, using the sensed coded data portion, indicating data indicative of the product Citem identity; and, transferring the indicating data to a computer system, the computer system being responsive to the indicating data to update product status information stored in a data store. Cl C C Cl

International (I-PC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention); B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/78 G06Q30/00 H04N1/04 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
AU2007254694 AA	20080124	AU20070254694	20071227
AU2007254694 BB	20100121	AU20070254694	20071227

Priority:

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
 AU20070254694 20071227

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK

Inventor(s): (std): SILVERBROOK KIA ; LAPSTUN PAUL

Inventor(s): KIA SILVERBROOK ; PAUL LAPSTUN

Agent(s): SILVERBROOK RESEARCH PTY LTD

81) Family number: 41464647 (AU2007254704A)

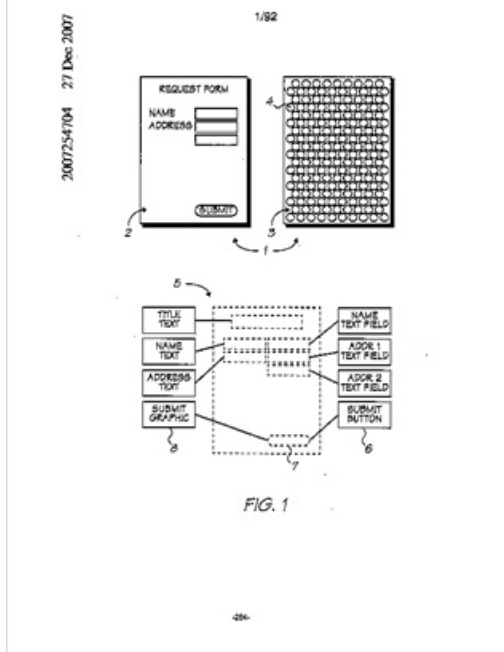
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Title: Face Determination

Abstract: C SA method of identifying a face of an object, the object having a plurality of faces, each U face having coded data disposed thereon or therein, wherein the coded data includes a plurality of coded data portions provided at respective positions on each face, each coded data portion being 1 5 indicative of an identity of the object, and wherein the method includes, in a sensing device: CI sensing at least one coded data portion; generating, using the sensed coded data portion, indicating data indicative of the object O identity and at least one of: a position of the sensed coded data portion; (ii) a position of the sensing device relative to the face; (iii) an orientation of the sensed coded data; and, S(iv) an orientation of the sensing device relative to the face; and, CI transferring the indicating data to a computer system, the computer system being responsive to the indicating data to identify the face.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention);
 B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00
 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00
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 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00
 H04N1/04 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
AU2007254704 AA	20080124	AU20070254704	20071227
AU2007254704 BB	20100603	AU20070254704	20071227

Priority:

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
 AU20070254704 20071227

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK

Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA

Inventor(s): KIA SILVERBROOK ; PAUL LAPSTUN

Agent(s): SILVERBROOK RESEARCH PTY LTD

82) Family number: 41464819 (AU2007254708A)

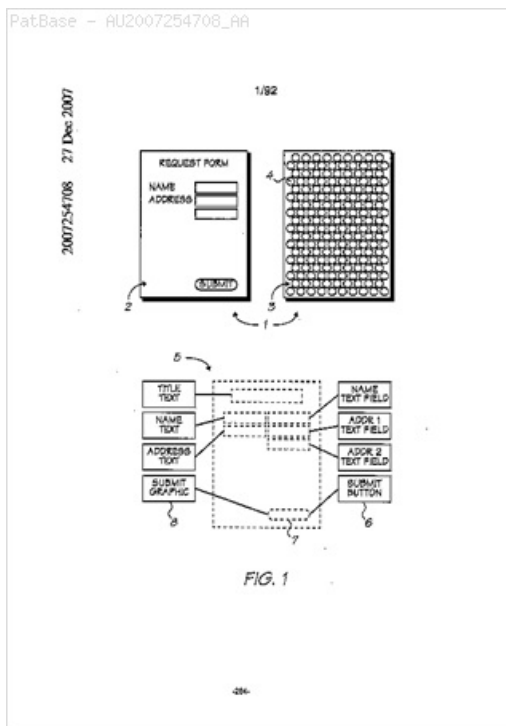
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Title: Facilitating User Interaction

Abstract: A method of facilitating interaction between a user and a computer system using a U product item having an interface surface, the interface surface having disposed thereon or therein coded data including a plurality of coded data portions, each coded data portion being indicative of an identity of the product item, the interaction being mediated by a sensing device, wherein the method includes: associating the sensing device with the user; O(b) in the sensing device: sensing at least one coded data portion when the sensing device is placed in an operative position relative to the interface surface; and (ii) generating, using at least some of the sensed coded data, indicating data indicative of the identity of the product item and an identity of the sensing device; and, (iii) transferring the indicating data to a computer system; in the computer system: receiving the indicating data; (ii) generating, using the received indicating data: product identity data indicative of the identity of the product item; sensing device identity data indicative of the identity of the sensing device; and, dissociating the sensing device and the user.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
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 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention);
 B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00
 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00
 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06
 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14
 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00
 H04N1/04 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
AU2007254708 AA	20080124	AU20070254708	20071227
AU2007254708 BB	20100624	AU20070254708	20071227

Priority:

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
 AU20070254708 20071227

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK

Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA

Inventor(s): KIA SILVERBROOK ; PAUL LAPSTUN

Agent(s): SILVERBROOK RESEARCH PTY LTD

83) Family number: 41464678 (AU2007254696A)

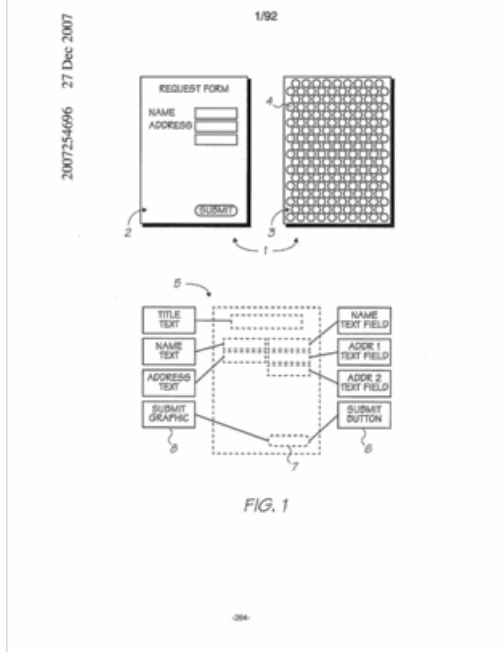
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Title: Orientation Determination

Abstract: KA method of determining an orientation of a respective object, the object having an U interface surface having coded data disposed thereon or therein, wherein the coded data includes a plurality of coded data portions provided at respective positions on the interface surface, each coded data portion being indicative of an identity of the object, and wherein the method includes, in a sensing device: sensing at least one coded data portion; ON generating, using the sensed coded data portion, indicating data indicative of the object identity and at least one of: a position of the sensed coded data portion; (ii) a position of the sensing device relative to the interface surface; S(iii) an orientation of the sensed coded data; and, (iv) an orientation of the sensing device relative to the interface surface; and, transferring the indicating data to a computer system, the computer system being responsive to the indicating data to determine the orientation of the object.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
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 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention);
 B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00
 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00
 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06
 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14
 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00
 H04N1/04 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
AU2007254696 AA	20080124	AU20070254696	20071227
AU2007254696 BB	20100304	AU20070254696	20071227

Priority:

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
 AU20070254696 20071227

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK

Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA

Inventor(s): KIA SILVERBROOK ; PAUL LAPSTUN

Agent(s): SILVERBROOK RESEARCH PTY LTD

84) Family number: 41464546 (AU2007254693A)

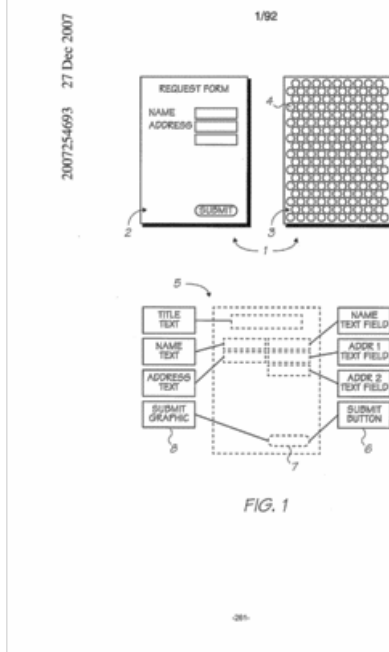
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Title: Product Identity Data

Abstract: C (W Coded data for disposal on or in an interface surface associated with a product item, U wherein the coded data includes a plurality of coded data portions disposed on or in the interface surface, and wherein each coded data portion is indicative of an identity of the product item such that sensing any one of the coded data portions allows the identity of the product item to be Cde n determined. en C>) C C

Classifications:

International (ipc 8-9): B41J2/01 C09B49/12 C09B57/10
 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention);
 B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00
 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00
 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06
 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14
 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00
 H04N1/04 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
AU2007254693 AA	20080124	AU20070254693	20071227
AU2007254693 BB	20091217	AU20070254693	20071227

Priority:

AU20030901617 20030407 AU20030901795 20030415 AU20040227426 20040402
 AU20070254693 20071227

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK

Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA

Inventor(s): KIA SILVERBROOK ; PAUL LAPSTUN

Agent(s): SILVERBROOK RESEARCH PTY LTD

85) Family number: 41464793 (AU2007254690A)

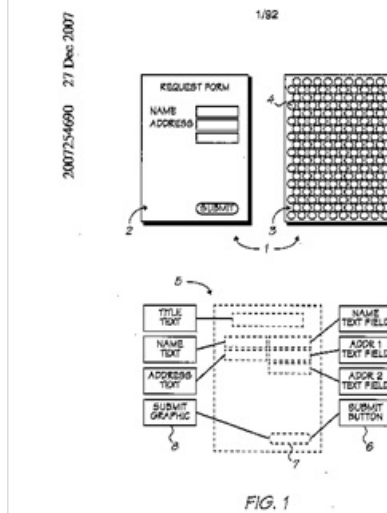
© PatBase

Title: Symmetric Data Tags

Abstract: C (W Coded data for disposal on or in an interface surface associated with a product item, the U coded data being indicative of an identity of the product item, the coded data being arranged in accordance with at least one layout having n-fold rotational symmetry about a center of rotation, where n is at least two, the layout including n identical sub-layouts rotated 1/n revolutions apart C1 about the center of rotation, at least one sub-layout including rotation-indicating data that distinguishes that sub-layout from each other sub-layout. C C Ct]

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Advanced/Invention);
 B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00
 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00
 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06
 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14
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 H04N1/04 (Core/Invention)



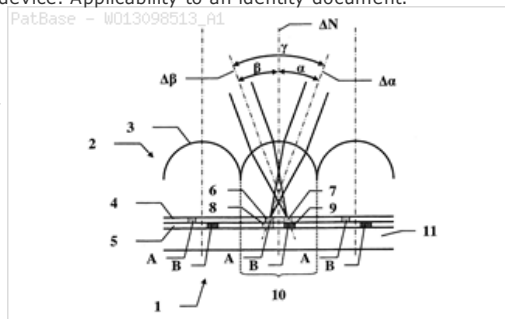
Publication number	Publication date	Application number	Application date
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AU2007254690 BB	20091210	AU20070254690	20071227

AU20030901617 20030407	AU20030901617 20030407	AU20030901795 20030415
AU20030901795 20030415	AU20040227426 20040402	AU20070254690 20071227

Probable Assignee:	SILVERBROOK RESEARCH PTY LTD
Assignee(s): (std):	SILVERBROOK KIA ; SILVERBROOK RES PTY LTD
Assignee(s):	SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK
Inventor(s): (std):	LAPSTUN PAUL ; SILVERBROOK KIA
Inventor(s):	KIA SILVERBROOK ; PAUL LAPSTUN
Agent(s):	SILVERBROOK RESEARCH PTY LTD

Abstract: Security device comprising at least one first pattern (A) which is visible through a lens array (2) along an associated first line of vision (Deltaalpha) and at least one second pattern (B) which is visible through said lens array (2) along an associated second line of vision (Deltabeta), each second line of vision (Deltabeta) being oriented relative to at least one first line of vision (Deltaalpha) along a characteristic "angular step" (gamma) of the lens array (2), wherein said at least one second pattern (B) is derived from at least one angle (a) of a first line of vision (Deltaalpha) with respect to a normal (DeltaNu) to the device (1). Method of manufacturing such a security device. Applicability to an identity document.

International (IPC 8-9): B41M3/14 B42D15/00 G02B13/14
G02B27/02 G02B27/22 G02B5/18 G06K19/06
G07D7/12 (Advanced/Invention)
CPC: B41M3/148 B42D25/342 B42D25/435 B42D25/21 G02B27/2214
B42D2035/20 B42D2035/44



Publication number	Publication date	Application number	Application date
EP2798396 A1	20141105	EP20120816763	20121221
FR2985324 A1	20130705	FR20110062550	20111229
FR2985324 B1	20150116	FR20110062550	20111229
WO13098513 A1	20130704	WO2012FR53039	20121221

FR20110062550 20111229 WO2012FR53039 20121221

Probable Assignee: OBERTHUR TECHNOLOGIES

Assignee(s): (std): OBERTHUR TECHNOLOGIES

Inventor(s): (std): ALBAN REMY ; GIRAUDET DE BOUDEMANGE GUILHEM
Inventor(s): REMY ALBAN ; GUILHEM GIRAUDET DE BOUDEMANGE
Agent(s): SANTARELLI
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

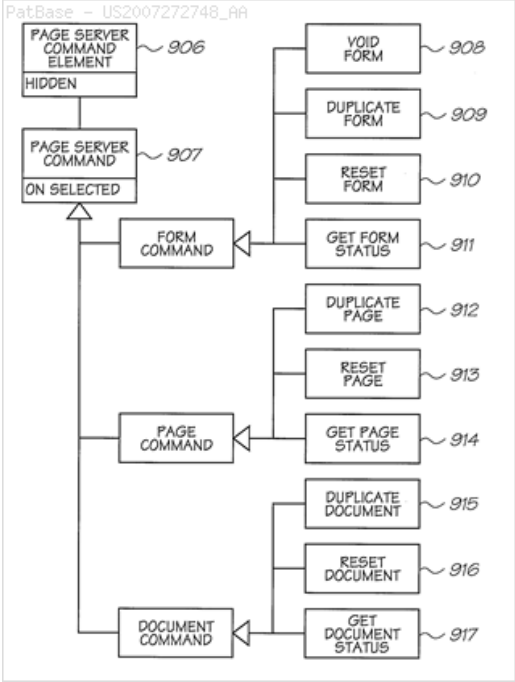
87) Family number: 42386758 (US2007272748A) © PatBase

Title: PACKING SYSTEM HAVING INTERACTIVE OBJECTS

Abstract: A packing system is provided having an object to be packed which has an interface surface having coded data identifying the object, and a sensing device for sensing the coded data to generate indicating data indicative of the object identity and at least one of a position and orientation of the sensed coded data and a position and orientation of the sensing device relative to the interface surface. The sensing device is configured to transfer the indicating data to at least one of: a packing device which is responsive to the indicating data to pack the object; a computer system which is responsive to the indicating data to cause a packing device to pack the object; and a packing device which is responsive to the indicating data to determine the orientation of the object.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F17/60 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)
CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378
European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00 G06Q10/087 G06Q10/08E G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C H04N5/374B H04N5/376A H04N5/378 T04N5/33
US: 235/385 235/385P 235/462.01



Family:

Publication number	Publication date	Application number	Application date
US2007272748 AA	20071129	US20070834628	20070806
US7383991 BB	20080610	US20070834628	20070806

Priority:

AU20030901617 20030407	AU20030901795 20030415	US20040815641 20040402
US20060499748 20060807	US20070834628 20070806	

Probable Assignee:

Assignee(s): (std): SILVERBROOK RES PTY LTD
Assignee(s): SILVERBROOK RESEARCH PTY LTD
Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA
Agent(s): SILVERBROOK RESEARCH PTY LTD

88) Family number: 42386757 (US2007272735A) © PatBase

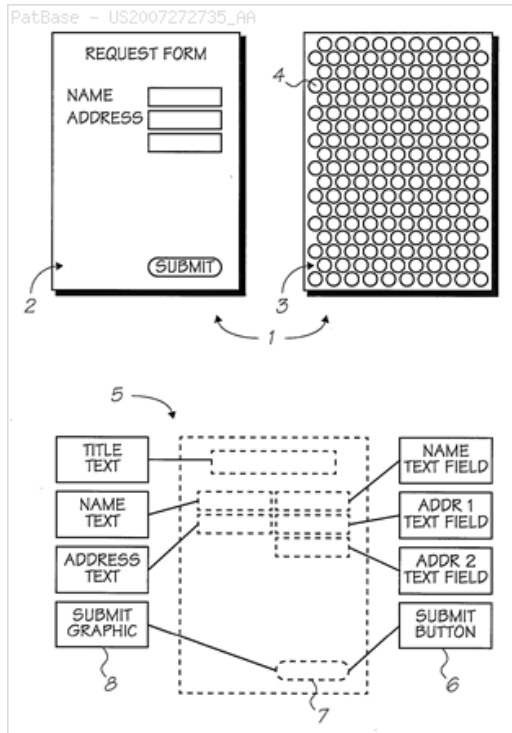
Title: SHOPPING SYSTEM HAVING USER INTERACTIVE IDENTITY AND PRODUCT ITEMS

Abstract: A shopping system is provided having a first interface surface having first coded data identifying a user of the first interface surface, a shopping receptacle having a shopping receptacle identity, and a sensing device. The sensing device is configured to sense the first coded data, sense second coded data of a second interface surface of a product item, generate indicating data from the sensed first and second coded data, and transfer the shopping receptacle identity and indicating data to a computer system. The second coded data is indicative of an identity of the product item and of a plurality of locations of the second interface surface. The indicating data is indicative of the user and product item identities and at least one of a position and orientation of the second coded data and a position and orientation of the sensing device relative to the second interface surface.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20

G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00
G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)
CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554
G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00
G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217
G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601
H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742
H04N5/37457 H04N5/3765 H04N5/378
European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2
G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00
G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212
G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267
G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C
H04N5/374B H04N5/376A H04N5/378 T04N5/33
US: 235/375 235/375P 348/E03.021 348/E3.021 348/E30.21
348/E30.21S



Family:

Publication number	Publication date	Application number	Application date
US2007272735 AA	20071129	US20070839497	20070815
US7383984 BB	20080610	US20070839497	20070815

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815616 20040402
US20070839497 20070815

Probable Assignee:

SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std):

SILVERBROOK RES PTY LTD

Assignee(s):

SILVERBROOK RESEARCH PTY LTD

Inventor(s): (std):

LAPSTUN PAUL ; SILVERBROOK KIA

Agent(s):

SILVERBROOK RESEARCH PTY LTD

89) Family number: 33357396 (US2004129478A)

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Title: WEIGHT MEASURING SYSTEMS AND METHODS FOR VEHICLES

Abstract: Weight sensor for determining the weight of an occupant of a seat including a bladder arranged in a seat portion of the seat and including material or structure in an interior thereof which constrains fluid flow therein and one or more transducers for measuring the pressure of the fluid in the bladder. The material or structure might be open cell foam. The bladder may include one or more chambers, and if more than one chamber is formed, each chamber can be arranged at a different location in the seat portion of the seat.

Classifications:

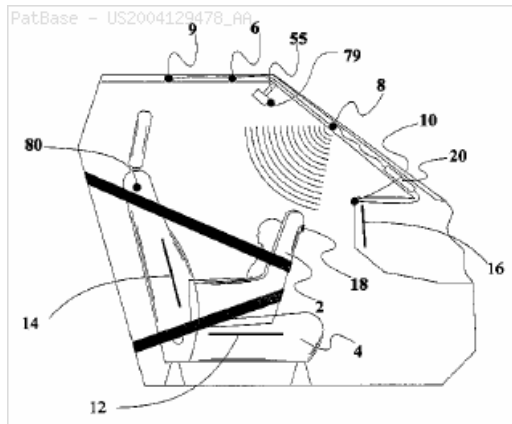
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B60N2/06 B60N2/28 B60N2/48 B60N2/66 B60Q1/14 B60R16/02
B60R16/037 B60R21/01 B60R22/20 E05F15/00 G01F23/00
G01F23/20 G01F23/296 G01G19/414 G01S15/04 G01S15/42
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G06K9/00 (Advanced/Invention);
B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015
B60R21/16 B60R21/20 B60R21/203 B60R21/215 B60R21/231
B60R21/26 B60R21/276 B60R22/28 B60R22/46 B60R22/48
G01S13/04 G01S15/06 G01S17/89 (Advanced/Non-invention);
B60J10/00 B60N2/00 B60N2/005 B60N2/02 B60N2/06 B60N2/26
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B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015
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International (ipc 1-7):

B60K28/04 B60R21/32

CPC:

B60N2/002 B60N2/0272 B60R21/013 B60N2/002 B60N2/015
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G01S17/88 G01S7/41D G01S7/48A G01S7/539 G06K9/00H1 L60N2/02B6S L60Q300/410 L60Q300/420 L60R1/12C
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L60R21/015G9 L60R21/015J L60R21/01H3Y L60R21/203 L60R21/2165S L60R21/231M L60R21/26V L60R21/276 L60R21/276L
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US: 180/273 180/274 280/735 280/735S 701/45

Family:

Publication number	Publication date	Application number	Application date
US2004129478 AA	20040708	US20030733957	20031211

Priority:

US19920878571	19920505	US19930040978	19930331	US19940239978	19940509
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US20030733957	20031211				

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

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

Assignee(s): AMERICAN VEHICULAR SCIENCES LLC ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC

Inventor(s): (std): BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C

90) Family number: 43088742 (US2009084850A)

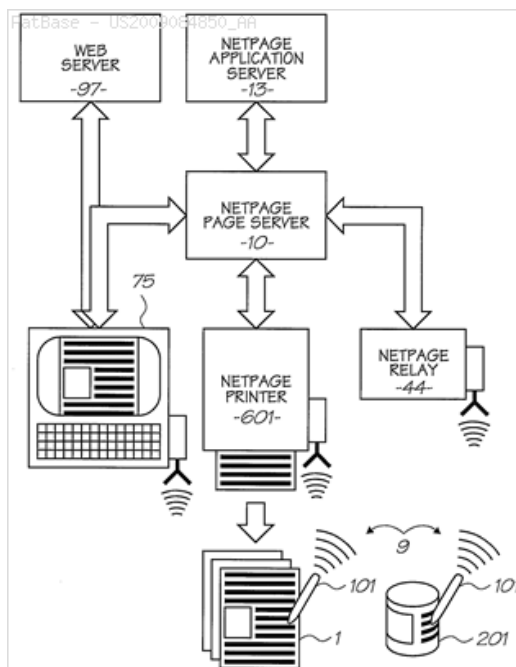
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Title: SENSING DEVICE

Abstract: A sensing device is disclosed. The sensing device includes a coded data sensor for sensing coded data portions disposed on a plurality of respective positions on a surface of a product item, each code data portion being indicative of an identity of the product item and the position of the respective code data portion, a barcode sensor for sensing a barcode on the surface of the product item, a processor for generating indicating data indicative of the position of each sensed coded data portion and the identity of the product item, and communication means for transferring the indicating data to a computer system.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00
G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)
CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554
G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00
G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217
G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601
H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742
H04N5/37457 H04N5/3765 H04N5/378
European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2
G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00
G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212
G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267
G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C
H04N5/374B H04N5/376A H04N5/378 T04N5/33
US: 235/454 235/462.15 235/462.150P



Family:

Publication number	Publication date	Application number	Application date
US2009084850 AA	20090402	US20080324690	20081126
US8132729 BB	20120313	US20080324690	20081126

Priority:

AU20030901617	20030407	AU20030901795	20030415	US20040815620	20040402
US20080324690	20081126				

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD
Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA
Agent(s): SILVERBROOK RESEARCH PTY LTD

91) Family number: 43360947 (US2009145966A)

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Title: SHOPPING RECEPTACLE FOR RECEIVING INTERACTIVE PRODUCT ITEMS

Abstract: A shopping receptacle for receiving a product item. The product item comprises an interface surface a position-coding pattern containing coded data is printed on the interface surface. The coded data identifies a plurality of position coordinates on the interface surface and an identity of the product item. The receptacle comprises: a receptacle body and an opening through which the product item is placed within the receptacle body. A sensing device is positioned for scanning product items as they are placed through the opening. The sensing device emits a scanning beam across the opening of the receptacle body and generates, using sensed coded data, indicating data indicative of a position coordinate on the interface surface and the identity of the product item.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)
CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378
European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00 G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C H04N5/374B H04N5/376A H04N5/378 T04N5/33
US: 235/383 235/383P 235/385 235/468 235/468S 235/470 235/470S 705/14



Family:

Publication number	Publication date	Application number	Application date
US2009145966 AA	20090611	US20090368975	20090210
US7617976 BB	20091117	US20090368975	20090210

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815613 20040402
US20090368975 20090210

Probable Assignee: SILVERBROOK RESEARCH PTY LTD
Assignee(s): (std): SILVERBROOK RES PTY LTD
Assignee(s): SILVERBROOK RESEARCH PTY LTD
Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA
Agent(s): SILVERBROOK RESEARCH PTY LTD

92) Family number: 30651358 (US2004109059A)

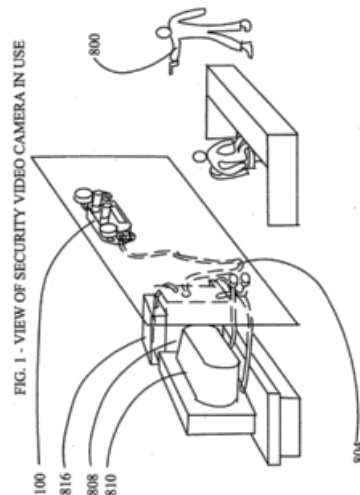
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Title: HYBRID JOINT PHOTOGRAPHER'S EXPERTS GROUP (JPEG) /MOVING PICTURE EXPERTS GROUP (MPEG) SPECIALIZED SECURITY VIDEO CAMERA

Abstract: Fig. 1 is a diagram of an unmanned, fully automatic, security installation with electronic pan and tilt functions, the focal plane array based motion sensor (120) of the hybrid simultaneous-mode MPEG X/JPEG X security video camera (100) is positioned to capture moving suspects, the moving suspect (800) is shown, the local area network (LAN) cable (804) is shown leading away from the hybrid MPEG X/JPEG X security video camera (100), a security room personal computer viewing station (808) is shown, lastly a digital computer tape video logging station (816) is shown.

Classifications:

International (IPC 8-9): H04N7/18 (Advanced/Invention);
H04N7/18 (Core/Invention)
International (IPC 1-7): H04N7/18
CPC: H04N7/18
European: H04N7/18
US: 348/143 348/E7.085

**Family:**

Publication number	Publication date	Application number	Application date
US2004109059 AA	20040610	US20030706662	20031112

Priority:

US20020425180P 20021112 US20030706662 20031112

Probable Assignee:

KAWABOINGO CORP

Assignee(s): (std):

KAWAKITA KEVIN

Assignee(s):

KAWABOINGO CORP

Inventor(s): (std):

KAWAKITA KEVIN

93) Family number: 41873798 (AU2007231654A)

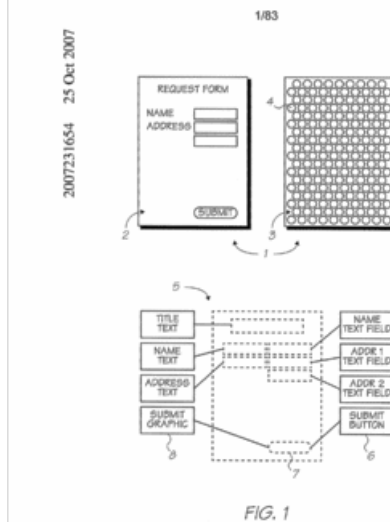
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Title: Transparent conveyor for check-out scanning

Abstract: A scanning device adapted to scan an interface surface provided on a product item, Q the interface surface having disposed thereon coded data indicative of an identity of the product item, the product item being provided in a sensing region, the scanning device including: a beam generator for generating at least one scanning beam having a predetermined spectrum; at least one beam controller for directing the at least one scanning beam into the sensing region through a scanning surface, the scanning surface being Cc transmissive to radiation of at least a portion of the predetermined spectrum; a sensor for sensing at least some of the coded data on the interface surface of the product item; and generate, using at least some of the sensed coded data, product identity data indicative of the identity of the product item.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10
 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
 G06K9/22 G06K9/78 H04N1/04 (Advanced/Invention);
 B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00
 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00
 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06
 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14
 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78
 H04N1/04 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
AU2007231654 AA	20071115	AU20070231654	20071025
AU2007231654 BB	20100318	AU20070231654	20071025

Priority:

AU20030901617 20030407 AU20030901795 20030415 AU20040227423 20040402
 AU20070231654 20071025

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD ; KIA SILVERBROOK

Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA

Inventor(s): KIA SILVERBROOK ; PAUL LAPSTUN

Agent(s): SILVERBROOK RESEARCH PTY LTD

94) Family number: 42442296 (US2008265028A)

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Title: METHOD OF MAINTAINING PRODUCT STATUS WITH INVISIBLY CODED INTERFACE

Abstract: A method of maintaining a status of a product item is provided. The product item includes an associated interface surface which has coded data including a plurality of coded data portions indicative of the product item's identity. The method includes, in a sensing device, sensing at least one coded data portion, generating indicating data indicative of the product item identity therefrom, and transferring the indicating data to a computer system. The computer system is responsive to the indicating data to update product status information stored in a data store. The coded data is substantially invisible to the unaided eye.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/00 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)

CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378

European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00 G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C H04N5/374B H04N5/376A H04N5/378 T04N5/33

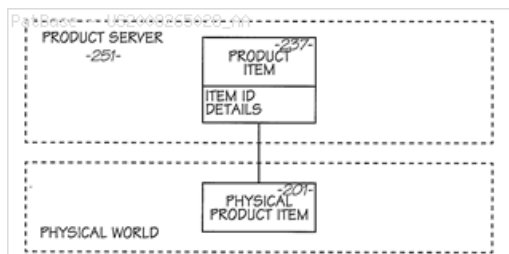
US: 235/383 235/385 235/385P 348/E3.021 348/E30.21S 705/16

Family:

Publication number	Publication date	Application number	Application date
US2008265028 AA	20081030	US20080169622	20080708
US7946485 BB	20110524	US20080169622	20080708

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815634 20040402
 US20080169622 20080708



Probable Assignee: SILVERBROOK RESEARCH PTY LTD
Assignee(s): (std): SILVERBROOK RES PTY LTD
Assignee(s): SILVERBROOK RESEARCH PTY LTD
Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA
Agent(s): SILVERBROOK RESEARCH PTY LTD

95) Family number: 42442294 (US2008265027A)

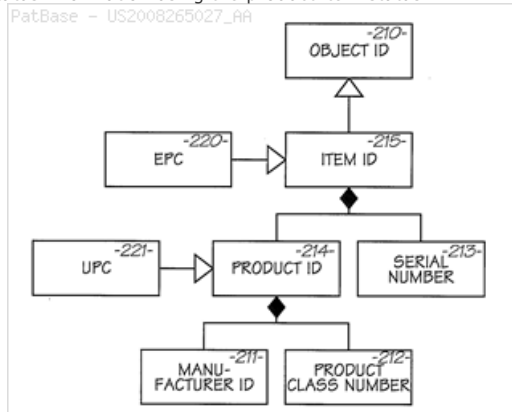
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Title: METHOD OF MAINTAINING PRODUCT STATUS

Abstract: A method of maintaining a status of a product item is provided. The product item includes an associated interface surface which has coded data including a plurality of coded data portions indicative of the product item's identity. The method includes, in a sensing device, sensing at least one coded data portion, generating indicating data indicative of the product item identity therefrom, and transferring the indicating data to a computer system. The computer system is responsive to the indicating data to update product status information stored in a data store. The interface surface includes at least one region having visible markings representing a respective product item status. The method including, in the sensing device, sensing coded data in the region and generating therefrom indicating data indicative of the respective product item status. The computer system is responsive to the indicating data to update the status information using the product item status.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)
CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378
European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00 G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C H04N5/374B H04N5/376A H04N5/378 T04N5/33
US: 235/383 235/385 235/385P 235/492 348/E3.021 348/E30.215



Family:

Publication number	Publication date	Application number	Application date
US2008265027 AA	20081030	US20080169620	20080708
US7874481 BB	20110125	US20080169620	20080708

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815634 20040402
US20080169620 20080708

Probable Assignee: SILVERBROOK RESEARCH PTY LTD
Assignee(s): (std): SILVERBROOK RES PTY LTD
Assignee(s): SILVERBROOK RESEARCH PTY LTD
Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA
Agent(s): SILVERBROOK RESEARCH PTY LTD

96) Family number: 46711433 (US2010219244A)

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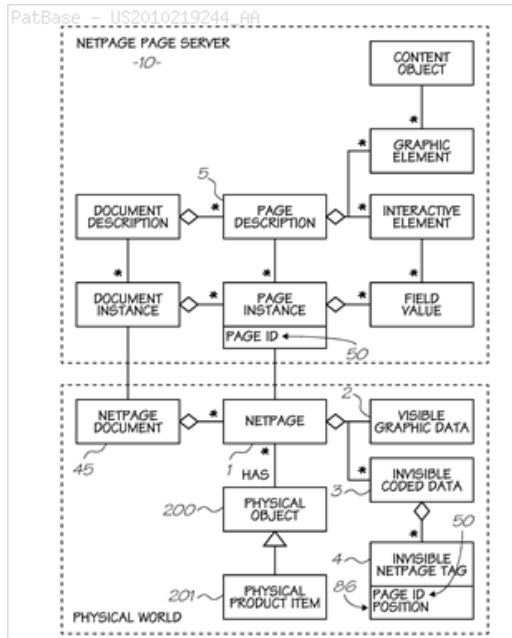
Title: METHOD OF MAINTAINING PRODUCT STATUS USING CODED TAGS

Abstract: A method of maintaining a status of a product item is provided. The product item includes an associated interface surface which has coded data including a plurality of coded data portions indicative of the product item's identity. The method includes, in a sensing device, sensing at least one coded data portion, generating indicating data indicative of the product item identity therefrom, and transferring the indicating data to a computer system. The computer system is responsive to the indicating data to update product status information stored in a data store. Each coded data portion is indicative of the respective position. The method further includes, generating in the sensing device and using the sensed coded data portion, indicating data indicative of at least one of a position of the sensed coded data portion on the interface surface and a position of the sensing device relative to the interface surface.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention); B41J2/01 C09B49/00 C09B57/00 C09D11/00 C09D11/02 D21H19/00 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/06 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q30/00 H04N1/04 (Core/Invention)
CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378

European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2
G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00
G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212
G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267
G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C
H04N5/374B H04N5/376A H04N5/378 T04N5/33
US: 235/385 235/385P



Family:

Publication number	Publication date	Application number	Application date
US2010219244 AA	20100902	US20100778085	20100511
US8322612 BB	20121204	US20100778085	20100511

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815634 20040402
US20080169616 20080708 US20100778085 20100511

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD

Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA

Agent(s): SILVERBROOK RESEARCH PTY LTD

97) Family number: 43088757 (US2009084857A)

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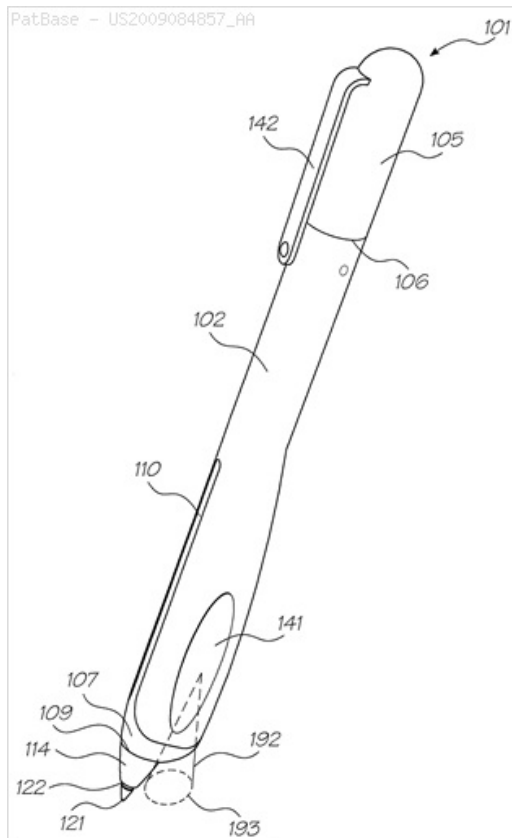
Title: PORTABLE SCANNING DEVICE FOR SCANNING PRODUCT ITEM

Abstract: A portable scanning device for scanning a product item is provided, The product item has visible information relating thereto and a plurality of tags disposed thereon. Each tag encodes data on an identity of the product item and the location of that tag on the product item. The scanning device has a sensor for sensing the data encoded by at least one tag, and a processor for determining, from the sensed data, product identity data indicative of the identity of the product item and location data indicative of a location of said at least one tag on the product item.

Classifications:

International (ipc 8-9): B41J2/01 C09B49/12 C09B57/10
C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50
G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08
G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00
G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20
G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00
G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)
CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554
G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00
G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217
G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601
H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742
H04N5/37457 H04N5/3765 H04N5/378

European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2
G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00
G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212
G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267
G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C
H04N5/374B H04N5/376A H04N5/378 T04N5/33
US: 235/454 235/462.01 235/462.08 235/462.45 235/470 235/470P
235/472.01 235/472.010S

**Family:**

Publication number	Publication date	Application number	Application date
US2009084857 AA	20090402	US20080276385	20081123
US7918399 BB	20110405	US20080276385	20081123

Priority:

AU20030901617 20030407	AU20030901795 20030415	US20040815623 20040402
US20060480957 20060706	US20080276385 20081123	

Probable Assignee: SILVERBROOK RESEARCH PTY LTD**Assignee(s):** (std): SILVERBROOK RES PTY LTD**Assignee(s):** SILVERBROOK RESEARCH PTY LTD**Inventor(s):** (std): LAPSTUN PAUL ; RUSMAN JAN ; SILVERBROOK KIA**Agent(s):** SILVERBROOK RESEARCH PTY LTD**98) Family number: 58731676 (WO15040053A1)**

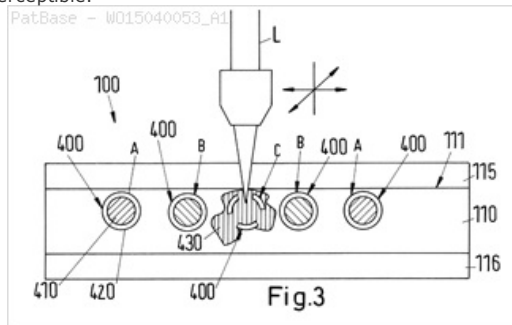
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Title: ACTIVATABLE VALUE OR SECURITY PRODUCT, METHOD OF ACTIVATION AND METHOD FOR PRODUCING A VALUE OR SECURITY PRODUCT

Abstract: The aim of the invention is to produce patterns (300) that are inherent in a value or security product. For this purpose, an activatable value or security product (100) is provided which contains a product material having color particles (400). The value or security product (100) can be permanently activated by electromagnetic radiation L so that a security feature (200) formed by the color particles (400) becomes visually perceptible.

Classifications:**International (IPC 8-9):** B41M3/14 B41M5/26 B41M5/28

B42D25/435 (Advanced/Invention)

CPC: B41M5/26 B41M3/14 B41M5/287 B42D25/29 B42D25/41**Family:**

Publication number	Publication date	Application number	Application date
DE102013218752 A1	20150319	DE201310218752	20130918
EP3046774 A1	20160727	EP20140771273	20140917
WO15040053 A1	20150326	WO2014EP69785	20140917

Priority:

DE201310218752 20130918	WO2014EP69785 20140917
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Probable Assignee: BUNDESDRUCKEREI GMBH

Assignee(s): (std): BUNDESDRUCKEREI GMBH

Inventor(s): (std): KULIKOVSKA OLGA ; MUTH OLIVER ; PAESCHKE MANFRED ; PEINZE FRANZISKA

Agent(s): BRESSEL BURKHARD; PATENTANWALTE BRESSEL U PARTNER MBB

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

99) Family number: 52120751 (US2014224879A)

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Title: SECURITY BARCODE

Abstract: A security barcode is made up of modules that include optical disrupters that are too small to be deliberately placed in precise positions. The barcode is authenticated by a simple webcam including three-dimensional positioning means co-operating with a recognizable graphic structure referred to as a "marker". In order to establish the authenticity of an article protected by the code, a description of the code is made after the code has been printed and is stored in a database, and that description is compared with a new description that results from at least two acquisitions, one made under the same conditions, and the other made while changing the three-dimensionally defined viewpoint and/or the lighting. In its preferred variant, the barcode cannot be printed in order to represent a predetermined number. It is also impossible to reproduce the barcode.

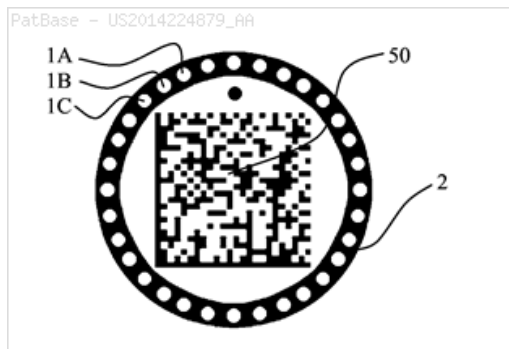
Classifications:

International (IPC 8-9): B42D15/10 G02B27/22 G02B3/00
G06F17/30 G06F5/00 G06K19/06 G06K19/08 G06K19/10 G06K19/16
G06K7/10 G06K7/14 G06K9/18 G06K9/28 G06K9/62 G06K9/74
G06K9/78 G06K9/82 G07D7/00 G07D7/12 G07D7/20 G07D7/202
G09F3/00 (Advanced/Invention)

CPC: G02B27/2221 G06K9/00577 G07D7/2033 G07D7/12
G06K19/086 G06K9/2036 G06K2009/0059 G06K9/2027 G06K19/14
G06T2207/30244 G06K7/1456 G06K19/06037 G06K7/1417
G06K19/06056 G07D7/20 G06K19/083 G06F21/42 G06F21/36
G06T7/73 G07D7/003 G07D7/202 G07D7/2041

European: G07D7/00B G07D7/12P G07D7/20F G07D7/20F2
G07D7/20F4

US: 1/1 235/462.06 235/462.09 235/494



Family:

Publication number	Publication date	Application number	Application date
EP2695147 A1	20140212	EP20120712293	20120319
EP2695147 B1	20190306	EP20120712293	20120319
FR2973910 A1	20121012	FR20110001244	20110421
FR2973911 A3	20121012	FR20110001245	20110421
FR2973912 A3	20121012	FR20110001010	20110405
FR2973913 A3	20121012	FR20110001027	20110406
FR2973914 A1	20121012	FR20110001124	20110413
FR2976381 A3	20121214	FR20110001726	20110607
FR2977043 A3	20121228	FR20110001900	20110621
FR2977049 A3	20121228	FR20110001986	20110628
FR2977349 A3	20130104	FR20110002012	20110629
FR2979733 A3	20130308	FR20110002649	20110901
FR2986353 A3	20130802	FR20120000276	20120131
US2014224879 AA	20140814	US20120110061	20120319
US9058535 BB	20150616	US20120110061	20120319
WO12136902 A1	20121011	WO2012FR00096	20120319

Priority:

FR20110001010	20110405	FR20110001027	20110406	FR20110001124	20110413
FR20110001124	20110418	FR20110001244	20110421	FR20110001245	20110421
FR20110001726	20110607	FR20110001900	20110621	FR20110001986	20110628
FR20110002012	20110629	FR20110002649	20110901	FR20120000276	20120131
WO2012FR00096	20120319				

Probable Assignee: GUIGAN FRANCK

Assignee(s): (std): GUIGAN FRANCK ; GUIGAN FRANCK ANDRE MARIE

Assignee(s): FRANCK ANDRE MARIE GUIGAN

Inventor(s): (std): GUIGAN FRANCK ANDRE MARIE ; GUIGAN FRANCK

Inventor(s): FRANCK GUIGAN ; FRANCK ANDRE MARIE GUIGAN

Agent(s): THEVENET JEAN BRUNO; IP TRUST; FRANCK GUIGAN; WEBB LAW FIRM

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

100) Family number: 48300185 (EP2295234B1)

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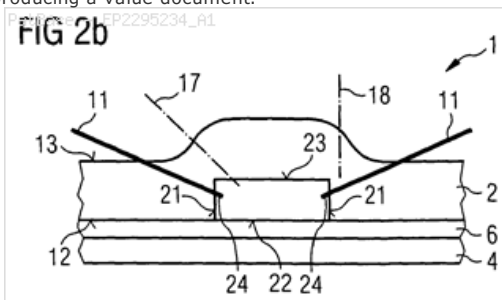
Title: FILM COMPOUND BANK NOTE AND METHOD FOR ITS PRODUCTION

Abstract: The document i.e. composite-film banknote (1), has a core layer provided with two main surfaces, and an

adhesive layer, which sticks a cover layer with one of the surfaces together. Another adhesive layer sticks another cover layer with another main surface together. The core layer includes segments (8), where one of the segments is made of core layer materials that are arranged next to each other in a surface direction of the document, and the other segment (9) is made of a transparent plastic foil strip. The segments extend over an entire length or width of the document without overlapping. An independent claim is also included for a method for producing a value document.

Classifications:

International (IPC 8-9): B32B3/18 B42D15/00 B42D15/10 B44F1/12 D21H21/42 (Advanced/Invention);
B32B3/00 B42D15/00 D21H21/00 (Core/Invention)
CPC: B42D25/475 B32B29/00 B42D25/351 B42D25/47 B42D25/29 B32B27/06 D21H21/42 B42D2033/04
European: B32B27/06 B32B29/00 B42D15/00C D21H21/42 L42D31/28 L42D31/30 L42D33/04



Family:

Publication number	Publication date	Application number	Application date
DE102009037236 A1	20110217	DE200910037236	20090812
DE502010001073 D1	20121004	DE201050001073T	20100810
EP2295234 A1	20110316	EP20100008330	20100810
EP2295234 B1	20120808	EP20100008330	20100810
ES2392935 T3	20121217	ES20100008330T	20100810
SI2295234 T1	20121130	SI20100030083T	20100810

Priority:

DE200910037236 20090812 EP20100008330 20100810

Probable Assignee: GIESECKE AND DEVRIENT GMBH

Assignee(s): (std): GIESECKE AND DEVRIENT GMBH

Inventor(s): (std): BURCHARD THEODOR ; BURCHARD THEODOR DR ; HOFFMUELLER WINFRIED ; HOFFMUELLER WINFRIED DR ; KROMBOLZ MARKUS ; KROMBOLZ MARKUS DR ; RENNER PATRICK ; RENNER PATRICK DR ; SEIDLER RUDOLF ; SEIDLER RUDOLF DR ; HOFFMULLER WINFRIED DR

Agent(s): DURAN LUIS ALFONSO

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

101) Family number: 45103138 (US2010135524A)

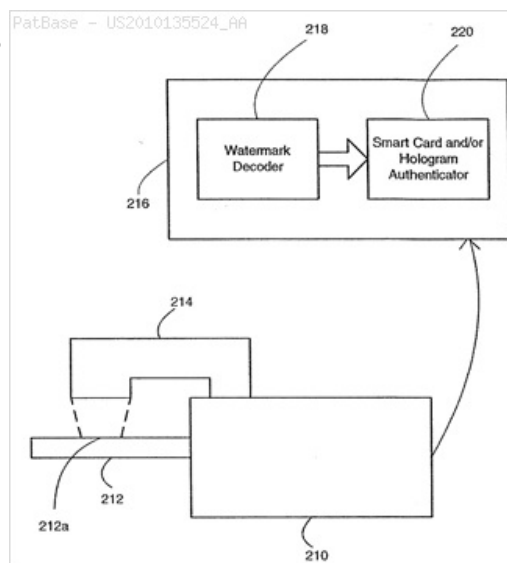
© PatBase

Title: UNIQUELY LINKING SECURITY ELEMENTS IN IDENTIFICATION DOCUMENTS

Abstract: We provide techniques for uniquely linking security elements in identification documents. In one implementation we provide a digital watermark embedded on, and a smartcard chip embedded in, an identification document. The smart card chip includes a hash or a reduced-bit representation of the digital watermark, while the digital watermark includes a hash of information stored on the smartcard chip. In another implementation we cross-correlate encryption keys carried by various machine-readable features on an identification document. In still another implementation, we embed biometric information, which is stored in smartcard electronic circuitry, with a digital watermark. In one case the watermark is reversible, so that it can be removed to yield unmarked biometric information. In another case the watermark is fragile, to reveal whether the biometric information has been subjected to a transformation. In yet another implementation, we provide a jurisdictional indicator on an identification document. The jurisdictional indicator helps in decoding a digital watermark on the identification document.

Classifications:

International (IPC 8-9): G02B27/42 G02B5/18 G03H1/00 G06K19/06 G06K19/08 G06K9/00 G07D7/00 G07D7/12 G07F7/00 (Advanced/Invention);
H04L9/00 (Advanced/Non-invention);
G02B27/42 G02B5/18 G03H1/00 G06K19/06 G06K19/08 G06K9/00 G07D7/00 G07F7/00 (Core/Invention)
CPC: G06K7/1417 G06K19/06046 G06K19/08 G07D7/0053 G07D7/2016 G07F7/005 G07D7/0032 G07D7/0034 G07D7/01
European: G06K19/06C5 G06K19/08 G06K7/14A2C G07D7/00B2 G07D7/00B4 G07D7/00F2 G07D7/00H G07D7/20D G07F7/00B
US: 162/110 283/113 358/3.28 382/100 382/100P 705/51 713/176



Family:

Publication number	Publication date	Application number	Application date
US2010135524 AA	20100603	US20090473488	20090528
US8321350 BB	20121127	US20090473488	20090528

Priority:

US20030488536P 20030717 US20040893149 20040716 US20090473488 20090528

Probable Assignee: DIGIMARC AN OREGON CORPORATION CORP

Assignee(s): (std): DIGIMARC CORP ; KENEN LEO M ; JONES ROBERT L ; DURST JR ROBERT T

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

Inventor(s): (std): DURST JR ROBERT T ; JONES ROBERT L ; KENEN LEO M

Agent(s): DIGIMARC CORP

102) Family number: 31873651 (US2005097179A)

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Title: SPAM PREVENTION

Abstract: Multiple inventions are included. Also users of an email system are limited in ways including to be able to send only a certain number of emails per day. This can ensure for example that if they spam the system they can be suspended before they can send an economically worthwhile amount of spam.

Classifications:

International (IPC 8-9): G06F11/30 G06F12/14 G06F15/16

H04L12/58 H04L29/06 H04L9/32 (Advanced/Invention);

G06F11/30 G06F12/14 G06F15/16 H04L12/58 H04L29/06

H04L9/32 (Core/Invention)

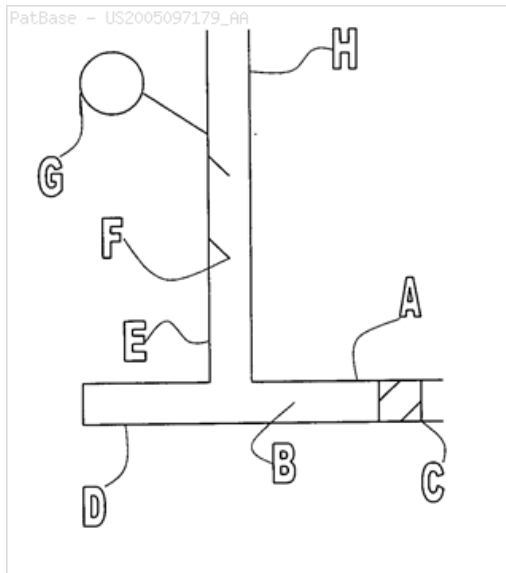
International (IPC 1-7): G06F11/30 G06F12/14 G06F15/16 H04L9/32

CPC: H04L63/0823 H04L51/12 H04L63/083

European: H04L12/58F H04L29/06C6C2 H04L29/06S8C

H04L29/06S8D H04L51/12 H04L63/08C H04L63/08D T04L29/06C6J

US: 709/207 709/207P 713/200 726/26 726/26S



Family:

Publication number	Publication date	Application number	Application date
US2005097179 AA	20050505	US20040941564	20040916

Priority:

AU20030905029 20030916 AU20040900472 20040203

Probable Assignee: ORME GREGORY M

Assignee(s): (std): ORME GREGORY M

Inventor(s): (std): ORME GREGORY M

Inventor(s): ORME GREGORY MICHAEL ; ORME GREGORY

Agent(s): GREGORY MICHAEL ORME

103) Family number: 31957541 (US2001015548A)

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Title: AUTOMOTIVE ELECTRONIC SAFETY NETWORK

Abstract: An occupant protection device deployment system and safety network including at least one module housing, at least one deployable component such as an airbag associated with each housing, a deployment initiator associated with each housing for initiating deployment of the component, a determination unit for determining that deployment of one or more of the components is desired, and respective electronic control units arranged within, adjacent or proximate each housing and coupled to a respective deployment initiator and the determination unit via an electrical bus for causing the deployment initiator to deploy the component in the respective housing upon receiving a signal from the determination unit. The control units include a power supply for enabling operation of the initiator.

Classifications:

International (IPC 8-9): B60N2/02 B60N2/28 B60R21/16 B60R21/20

B60R21/213 B60R21/231 B60R21/233 B60R21/235 B60R21/30

G06F7/00 G07C5/00 G07C5/08 (Advanced/Invention);

B60R21/00 (Advanced/Non-invention)

International (IPC 1-7): B60R21/32

CPC: B60C23/0408 G07C5/085 B60N2002/0272 B60R21/233

B60N2/0232 B60N2/0276 B60N2/2863 B60R21/20 B60R21/214

B60R21/232 B60R21/235 B60R21/30 B60R2021/0004

B60R2021/23107 B60R2021/23153 B60R2021/23161

B60R2021/23169 B60R2021/23519 B60R2021/23523

B60R2021/23557 B60R2021/2358 B60R2021/2359 G07C5/008

G07C5/0808

European: B60C23/04C B60N2/02B4 B60N2/02B6W B60N2/28P4

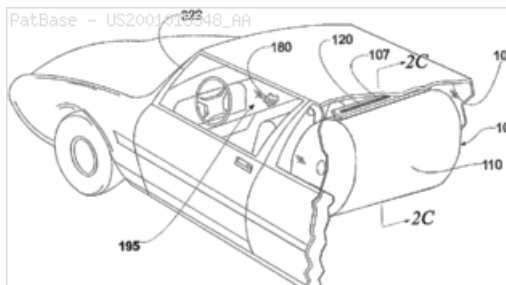
B60R21/16B2B B60R21/16B2V B60R21/16B4 B60R21/20 B60R21/20K B60R21/214 B60R21/232 B60R21/233 B60R21/235

B60R21/30 G07C5/00T G07C5/08D G07C5/08R2 L60R21/00A1 L60R21/214 L60R21/231C L60R21/231M L60R21/231N

L60R21/231P L60R21/235M3 L60R21/235M5 L60R21/235P6 L60R21/235S4 L60R21/235S6

US: 180/274 180/282 280/735 280/735P 701/29 701/29.1 701/32.9 701/33 701/33.6 701/33.7 701/34 701/34.3 701/34.4

701/45 702/183 706/15



Family:

Publication number	Publication date	Application number	Application date
US2001015548 AA	20010823	US20010767020	20010123
US2002027346 AA	20020307	US20010925062	20010808
US6533316 BB	20030318	US20010767020	20010123
US6733036 BB	20040511	US20010925062	20010808
US7103460 BA	20060905	US20050220139	20050906

Priority:

US19940239977	19940509	US19950476077	19950607	US19950550217	19951030
US19950571247	19951212	US19960028046P	19961009	US19970819609	19970317
US19970947661	19971009	US19980073403	19980506	US19980137918	19980820
US19990356314	19990716	US19990170973P	19991215	US20000645709	20000824
US20000231378P	20000908	US20010753186	20010102	US20010765558	20010119
US20010767020	20010123	US20010269415P	20010216	US20010291511P	20010516
US20010304013P	20010709	US20010925062	20010808	US20020043557	20020111
US20020079065	20020219	US20020174709	20020619	US20020188673	20020703
US20020415862P	20021003	US20020423613P	20021104	US20020330938	20021227
US20030461648P	20030408	US20030613453	20030703	US20030638743	20030811
US20030642028	20030815	US20030658750	20030909	US20030701361	20031104
US20040592838P	20040730	US20050039129	20050119	US20050082739	20050317
US20050120065	20050502	US20050220139	20050906		

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC**Assignee(s):** (std): AUTOMOTIVE TECH INT ; SANDERS WILLIAM THOMAS**Assignee(s):** BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C ; DUVALL WILBUR E ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AUTOMOTIVE TECHNOLOGIES INTIONAL ; AMERICAN VEHICULAR SCIENCES LLC**Inventor(s):** (std): BREED DAVID S ; DU VALL WILBUR E ; DUVALL WILBUR E ; JOHNSON WENDELL C ; SANDERS WILLIAM THOMAS ; DUVALL WILBUR E**Agent(s):** BRIAN**104) Family number: 47810260 (US2010310299A)**

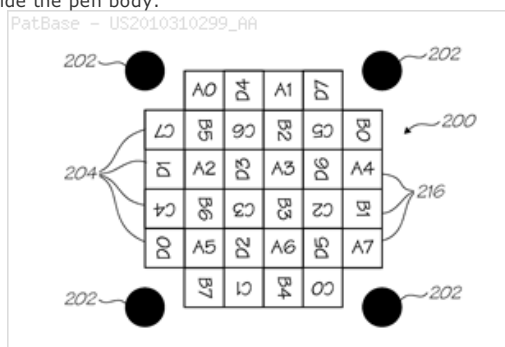
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Title: ELECTRONIC IMAGE-SENSING PEN WITH FORCE SENSOR AND REMOVEABLE INK CARTRIDGE

Abstract: An electronic pen includes a pen body having a longitudinal axis; an image sensor; an ink cartridge replaceably received in the pen body, the ink cartridge having a nib at a first end and an opposite second end; and a force sensor assembly engaged with the second end of the ink cartridge. The force sensor assembly is configured for sensing a nib force transmitted longitudinally axially through the ink cartridge. The pen body includes a removable cover molding extending longitudinally along the pen body for insertion of the ink cartridge inside the pen body.

Classifications:

International (IPC 8-9): B43K29/00 (Advanced/Invention)
CPC: G06F3/0321 G01L5/162 B43K7/005 B43K7/02 B43K23/12 B43K23/126 B43K25/022 B43K29/00 B43K29/003 B43K29/004 B43K29/08 B43K29/093 B43K29/10 G01L1/26 G06F3/03545
European: B43K23/12 B43K23/12C B43K25/02A B43K29/00 B43K29/00L B43K29/00M B43K29/08 B43K29/093 B43K29/10 B43K7/00G B43K7/02 G01L1/26 G01L5/16B2 G06F3/0354N G06F3/03H3
US: 345/179 345/180 401/195 401/195P

**Family:**

Publication number	Publication date	Application number	Application date
US2010310299 AA	20101209	US20100859179	20100818
US7955017 BB	20110607	US20100859179	20100818

Priority:

US20050193435	20050801	AU20050904511	20050819	US20060495814	20060731
US20100859179	20100818				

Probable Assignee: SILVERBROOK RESEARCH PTY LTD**Assignee(s):** (std): SILVERBROOK RES PTY LTD**Assignee(s):** SILVERBROOK RESEARCH PTY LTD**Inventor(s):** (std): KING TOBIN ALLEN ; LAPSTUN PAUL ; SILVERBROOK KIA ; UNDERWOOD MATTHEW JOHN**Agent(s):** SILVERBROOK RESEARCH PTY LTD**105) Family number: 36000259 (US2007205288A)**

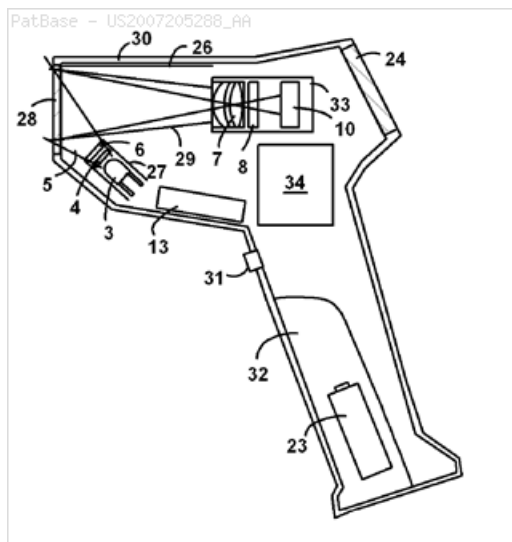
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Title: HAND HELD WIRELESS READING VIEWER OF INVISIBLE BAR CODES

Abstract: Hand held wireless reading viewer for bar codes printed with fluorescing inks that are invisible to the human eye. The reading viewer comprises a portable housing with a window transparent to the excitation and emission wavelengths, an LED or laser diode illuminator module having optical filter and diffuser, an image sensor module with a spectral band limited imaging optics, real time LCD video display, microprocessor with an image acquisition circuit, RF communications port, battery and self-destruct intrusion detector.

Classifications:

International (IPC 8-9): G06K7/10 (Advanced/Invention);
G06K7/10 (Core/Invention)
CPC: G06K7/12
European: G06K7/12
US: 235/454 235/462.42 235/462.46 235/468 235/472.01



Family:

Publication number	Publication date	Application number	Application date
US2007205288 AA	20070906	US20060308079	20060306
US2009194594 AA	20090806	US20090416602	20090401
US7516899 BB	20090414	US20060308079	20060306
US7712667 BB	20100511	US20090416602	20090401

Priority:

US20060308079 20060306 US20090416602 20090401

Probable Assignee: VL ENGINEERING INC

Assignee(s): (std): LASER VADIM ; V L ENGINEERING INC

Assignee(s): VL ENGINEERING INC

Inventor(s): (std): LASER VADIM

Agent(s): VADIM LASER; HASSE AND NESBITT LLC; NESBITT DANIEL F; DANIEL F

106) Family number: 42385277 (US2008251585A)

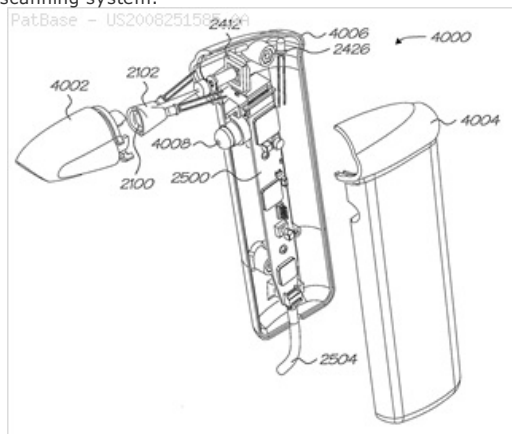
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Title: OBJECT SCANNING SYSTEM WITH A SENSING DEVICE FOR GENERATING INDICATING DATA

Abstract: Provided is an object scanning system with a sensing device for generating indicating data indicative of at least one object identity and at least a position and orientation of the data and a position and orientation of the sensing device relative to the object. The sensing device includes a housing, and an optical assembly arranged within the housing and configured to scan the object. The sensing device also includes a controller arrangement inside the housing and arranged in signal communication with the optical assembly. The controller arrangement is configured to control operation of the optical assembly and to generate the indicating data for transmission to the scanning system.

Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)
CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378
European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00 G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C H04N5/374B H04N5/376A H04N5/378 T04N5/33
US: 235/468 235/468P 348/E3.021 348/E30.21S



Family:

Publication number	Publication date	Application number	Application date
US2008251585 AA	20081016	US20080143811	20080622

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815634 20040402
US20080143811 20080622

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std): SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTY LTD

Inventor(s): (std): LAPSTUN PAUL ; SILVERBROOK KIA

Agent(s): SILVERBROOK RESEARCH PTY LTD

Title: METHOD OF UPDATING PRODUCT STATUS

Abstract: A method of maintaining a status of a product is provided in which indicating data is generated at a sensing device from data encoded by a tag of a plurality of tags tiled across the product through interaction of the sensing device with the tag at any orientation of the product, and the indicating data is transferred to a computer system to cause updating of a status of the product stored by the computer system. The encoded data of each tag used to generate the indicating data includes an identity of the product and an identity of a region of the product on which that tag is tiled. The status of the product is updated in accordance with the product and region identities of the indicating data.

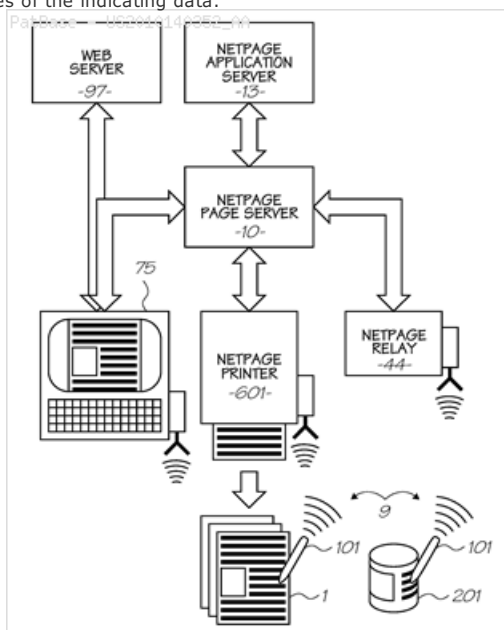
Classifications:

International (IPC 8-9): B41J2/01 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G05B15/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/08 G06F7/00 G06F7/02 G06F7/08 G06K15/00 G06K19/06 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/78 G06Q10/00 G06Q10/08 G06Q20/20 G06Q30/00 G06Q30/02 G06Q30/06 H04N1/04 (Advanced/Invention)

CPC: G06Q10/087 G06F3/014 G06F3/0321 G06K7/10554 G06K7/10623 G06K7/10693 G06K7/10722 G06K7/10772 G06Q10/00 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/1568 H04N5/33 H04N5/3559 H04N5/3651 H04N5/3742 H04N5/37457 H04N5/3765 H04N5/378

European: G06F3/01B6 G06F3/03H3 G06K7/10S2 G06K7/10S2P2B2 G06K7/10S2P4B G06K7/10S4D G06K7/10S4M2 G06Q10/00 G06Q10/087 G06Q20/20 G06Q30/02 G06Q30/0207 G06Q30/0212 G06Q30/0217 G06Q30/0236 G06Q30/0259 G06Q30/0267 G06Q30/0601 H04N3/15E6 H04N5/355C H04N5/365A H04N5/3745C H04N5/374B H04N5/376A H04N5/378 T04N5/33

US: 235/375 235/375S 235/385 235/385P

**Family:**

Publication number	Publication date	Application number	Application date
US2010140352 AA	20100610	US20100689999	20100119

Priority:

AU20030901617 20030407 AU20030901795 20030415 US20040815634 20040402
US20100689999 20100119

Probable Assignee:

SILVERBROOK RESEARCH PTY LTD

Assignee(s): (std):

SILVERBROOK RES PTY LTD

Assignee(s):

SILVERBROOK RESEARCH PTY LTD

Inventor(s): (std):

LAPSTUN PAUL ; SILVERBROOK KIA

Agent(s):

SILVERBROOK RESEARCH PTY LTD

Title: SENSOR ASSEMBLIES

Abstract: Sensor assembly capable of obtaining and providing a measurement of a physical quantity, e.g., measurement of temperature and/or pressure of a vehicular tire, includes an antenna capable of receiving a radio frequency signal, a radio frequency identification (RFID) device coupled to the antenna, a sensor coupled to the RFID device arranged to generate a measurement of the physical quantity or quantities, and a switch coupled to the RFID device and arranged to connect or disconnect the sensor from a circuit with the antenna dependent on whether the antenna receives a particular signal associated with the RFID device. When the antenna receives the particular signal associated with the RFID device, the RFID device causes the switch to close and connect the sensor in the circuit with the antenna to enable the measurement generated by the sensor to be directed to and transmitted by the antenna.

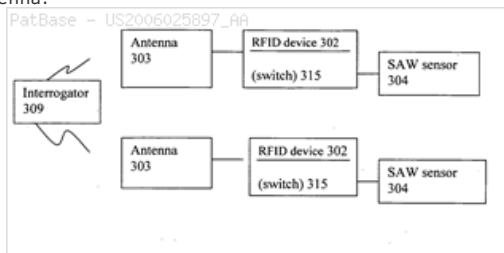
Classifications:

International (IPC 8-9): G06F17/00 G06F7/00 (Advanced/Invention); G06F17/00 (Core/Invention)

CPC: B60C23/005 B60C23/0408 B60C23/20 B60R21/013 B60R2021/01088 B60R2021/01184 G06K19/0717 G08G1/017 G08G1/164

European: B60C23/00D B60C23/04C B60C23/20 B60R21/013 G06K19/07E2 G08G1/017 G08G1/16B L60R21/01L6A L60R21/01N3

US: 701/1 701/1P 701/29.6 701/32 701/33 701/34.3 701/36 701/37 701/37S

**Family:**

Publication number	Publication date	Application number	Application date
US2006025897 AA	20060202	US20050208869	20050822
US7089099 BB	20060808	US20050208869	20050822

Priority:

US20040592838P 20040730 US20050120065 20050502 US20050208869 20050822

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C ; SHOSTAK OLEKSANDR T ; KOLOMEYKO ANATOLIY V ; AUTOMOTIVE TECH INT

Assignee(s): AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AMERICAN VEHICULAR SCIENCES LLC

Inventor(s): (std): BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C ; KOLOMEYKO ANATOLIY V ; SHOSTAK OLEKSANDR T

Inventor(s): SHOSTAK OLEKSANDR ; KOLOMEYKO ANATOLIY ; JOHNSON WENDELL ; DUVALL WILBUR ; BREED DAVID

Agent(s): BRIAN ROFFE ESQ; BRIAN

109) Family number: 55892806 (WO14037384A1)

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Title: SECURITY AND/OR VALUABLE PRODUCT

Abstract: The invention relates to security and/or valuable products, for example identification, bank and other documents, said products being formed from at least two interconnected product layers and at least one of said product layers consisting of glass. According to the invention, in order to reduce the effects of ageing on said products, at least one of the respective product layers consisting of glass is arranged on at least one outer face of the security and/or valuable product.

Classifications:

International (IPC 8-9): B32B17/00 B32B27/00 B42D15/00 B42D15/10 B42D25/00 B42D25/21 B42D25/36 B42D25/455

G06K19/067 (Advanced/Invention)

CPC: B42D25/41 B42D25/324 B32B17/10302 B32B17/10788

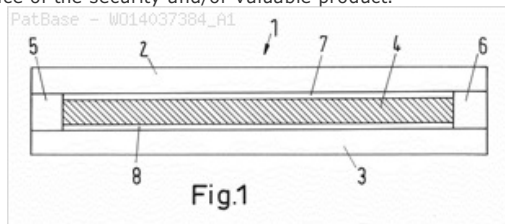
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B42D25/305 B42D25/309 B42D25/455 B32B17/10036 B42D25/00

B42D25/29 B42D25/43 B42D2033/30 B42D2033/32 B42D2033/46

B42D2035/16 B42D25/346 B42D25/351 B42D25/36 B42D25/46

B42D25/47 B42D25/475



Family:

Publication number	Publication date	Application number	Application date
DE102012215742 A1	20140306	DE201210215742	20120905
DE502013008773 D1	20171221	DE201350008773T	20130904
EP2892730 A1	20150715	EP20130759710	20130904
EP2892730 B1	20171108	EP20130759710	20130904
WO14037384 A1	20140313	WO2013EP68260	20130904

Priority:

DE201210215742 20120905 EP20130759710 20130904 WO2013EP68260 20130904

Probable Assignee: BUNDESDRUCKEREI GMBH

Assignee(s): (std): BUNDESDRUCKEREI GMBH

Inventor(s): (std): FISCHER JOERG ; PAESCHKE MANFRED

Agent(s): BRESSEL BURKHARD; BRESSEL BURKHARD 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 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

110) Family number: 48846960 (US2011102379A)

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Title: ELECTRONIC STYLUS WITH FORCE SENSING ARRANGEMENT

Abstract: An electronic stylus including: an elongate body; a nib extending from one end of the elongate body; a load bearing member mounted to the elongate body for receiving an input force caused by contact on the nib, the load bearing member having a first protrusion with a rounded end; a coupling for transmitting the input force to the load bearing member, the coupling having a second protrusion extending centrally from a flange such that the distal end of the second protrusion engages the rounded end; circuitry for converting the input force into an output signal indicative of the input force; and a housing defining a recess for the circuitry. The rounded end of the first protrusion from the load bearing member extends proud of the recess for engaging the coupling.

Classifications:

International (IPC 8-9): G06F3/033 G06G5/00 (Advanced/Invention)

CPC: G01L5/162 B43K7/005 B43K7/02 B43K23/12 B43K23/126

B43K25/022 B43K29/00 B43K29/003 B43K29/004 B43K29/08

B43K29/093 B43K29/10 G01L1/26 G06F3/0321 G06F3/03545

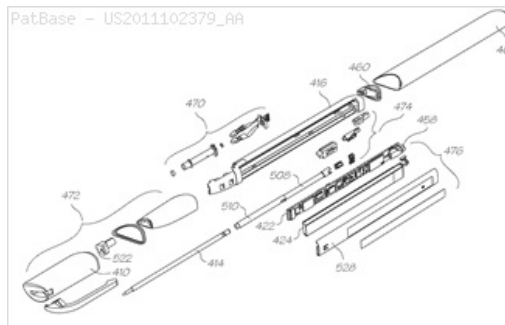
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B43K29/00L B43K29/00M B43K29/08 B43K29/093 B43K29/10

B43K7/00G B43K7/02 G01L1/26 G01L5/16B2 G06F3/0354N

G06F3/03H3

US: 345/179 345/179P



Family:

Publication number	Publication date	Application number	Application date
US2011102379 AA	20110505	US20110987133	20110109

Priority:

AU20050904511 20050819	US20060495820 20060731	US20110987133 20110109
Probable Assignee:	SILVERBROOK RESEARCH PTY LTD	
Assignee(s): (std):	SILVERBROOK RES PTY LTD	
Assignee(s):	SILVERBROOK RESEARCH PTY LTD	
Inventor(s): (std):	LAPSTUN PAUL ; SILVERBROOK KIA	

111) Family number: 56878593 (DE102012025264A1)

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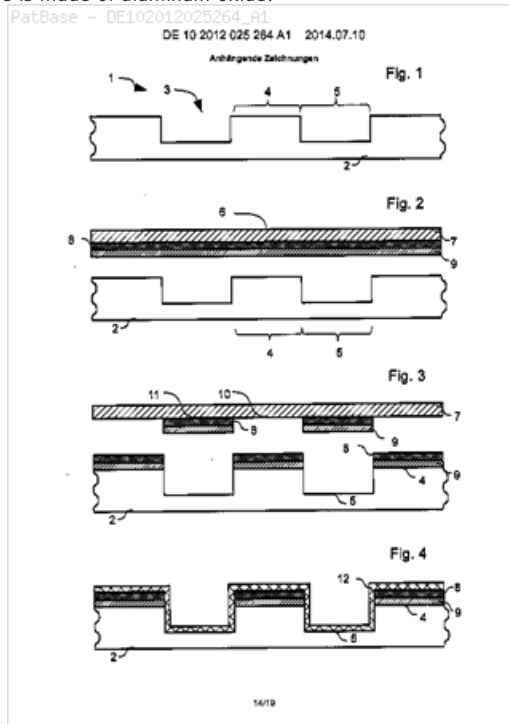
Title: METHOD FOR MANUFACTURING SECURITY ELEMENT OF BANKNOTE, INVOLVES PRODUCING METALLIZATION COATING BETWEEN FIRST PORTIONS WITH NANO-STRUCTURE AND SECOND PORTIONS WHICH DO NOT HAVE NANO-STRUCTURE

Abstract: A recess of substrate (2) is formed at top of microstructure (3) which is provided with first and second portions (4,5). A dispenser element is adhered to microstructure and adhesive layer (9) is applied to microstructure or nano-structure (8). The nano-structure is transferred from carrier (7) only on first portions. The dispenser element is removed off so that nano-structure remains in first portions. A metallization coating is produced between first portions with nano-structure and second portions which do not have nano-structure. The nano-structure is made of aluminum oxide.

Classifications:

International (IPC 8-9): B42D25/30 (Advanced/Invention)

CPC: B42D25/373 B42D25/324 B42D25/342 B42D25/47



Family:

Publication number	Publication date	Application number	Application date
DE102012025264 A1	20140710	DE201210025264	20121221

Priority:

DE201210025264 20121221

Probable Assignee: GIESECKE AND DEVRIENT GMBH

Assignee(s): (std): GIESECKE AND DEVRIENT GMBH

Inventor(s): (std): BACHER ERWIN ; BAEHR ANNETT ; FREUTSMIEDL SIMON ; GREGAREK ANDRE ; LOCHBIHLER HANS ; RAHM MICHAEL ; RAUCH ANDREAS

112) Family number: 33357411 (US2005192727A)

© PatBase

Title: SENSOR ASSEMBLIES

Abstract: Sensor assembly capable of obtaining and providing a measurement of a physical quantity, e.g., measurement of temperature and/or pressure of a vehicular tire, includes an antenna capable of receiving a radio frequency signal, a radio frequency identification (RFID) device coupled to the antenna, a sensor coupled to the RFID device arranged to generate a measurement of the physical quantity or quantities, and a switch coupled to the RFID device and arranged to connect or disconnect the sensor from a circuit with the antenna dependent on whether the antenna receives a particular signal associated with the RFID device. When the antenna receives the particular signal associated with the RFID device, the RFID device causes the switch to close and connect the sensor in the circuit with the antenna to enable the measurement generated by the sensor to be directed to and transmitted by the antenna.

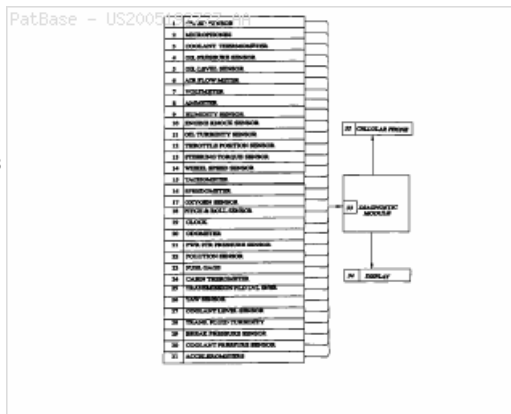
Classifications:

International (IPC 8-9): B60C11/24 B60C19/00 B60C23/04 B60C23/06 B60J10/00 B60N2/00 B60R21/01 B60R21/16 B60R21/20 B60R21/213 B60R21/231 B60R21/233 B60R21/235 B60R21/30 G01F23/00 G01F23/20 G01F23/26 G01F23/296 G01F23/36 G02B27/01 G07C5/00 G07C5/08 H01Q1/22 (Advanced/Invention); B60R21/00 G02B27/00 (Advanced/Non-invention); B60C11/24 B60C19/00 B60C23/02 B60C23/06 B60J10/00 B60N2/00 B60R21/01 B60R21/16 B60R21/20 B60R21/23 B60R21/30 G01F23/00 G01F23/22 G01F23/296 G01F23/30 G02B27/01 G07C5/00 H01Q1/22 (Core/Invention);

B60R21/00 G02B27/00 (Core/Non-invention)

International (IPC 1-7): G06F7/00

CPC: B60N2002/0272 B60R21/0136 B60C11/24 B60C19/00
B60C23/041 B60C23/0411 B60C23/0449 B60C23/12 B60J10/00
B60N2/002 B60R21/20 B60R21/213 B60R21/232 B60R21/233
B60R21/235 B60R21/30 B60R2021/0004 B60R2021/23107
B60R2021/23153 B60R2021/23161 B60R2021/23169
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G06K7/10178 G07C5/008 G07C5/0808 H01Q1/2241
European: B60C11/24 B60C19/00 B60C23/04C3 B60C23/04C3A
B60C23/04C6D2B B60C23/12 B60J10/00 B60N2/00C B60R21/0136
B60R21/16B2B B60R21/16B2V B60R21/16B4 B60R21/20
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B60R21/30 G01F23/00G1A G01F23/20 G01F23/26B G01F23/296D
G01F23/36 G02B27/01 G06K7/10A3C G07C5/00T G07C5/08D
H01Q1/22 H01Q1/22C8 L60R21/00A1 L60R21/231C L60R21/231M
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L60R21/235P6 L60R21/235S4 L60R21/235S6 S02B27/01A11
S02B27/01D4
US: 701/1 701/1S 701/37 701/37P



Family:

Publication number	Publication date	Application number	Application date
US2005192727 AA	20050901	US20050120065	20050502

Priority:

US19940239977	19940509	US19950476077	19950607	US19950550217	19951030
US19950571247	19951212	US19960028046P	19961009	US19970819609	19970317
US19970947661	19971009	US19980073403	19980506	US19980137918	19980820
US19990356314	19990716	US19990170973P	19991215	US20000645709	20000824
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US20010767020	20010123	US20010269415P	20010216	US20010291511P	20010516
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US20020079065	20020219	US20020174709	20020619	US20020188673	20020703
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US20030461648P	20030408	US20030613453	20030703	US20030638743	20030811
US20030642028	20030815	US20030658750	20030909	US20030701361	20031104
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US20050120065	20050502				

Probable Assignee: AUTOMOTIVE TECHNOLOGIES INT INC

Assignee(s): (std): AUTOMOTIVE TECH INT

Assignee(s): AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC

Inventor(s): (std): BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C ; KOLOMEYKO ANATOLIY V ; SHOSTAK OLEKSANDR T

Inventor(s): BREED DAVID ; SHOSTAK OLEKSANDR ; KOLOMEYKO ANATOLIY ; JOHNSON WENDELL ; DUVALL WILBUR

Agent(s): BRIAN ROFFE ESQ

113) Family number: 30789220 (WO04070667A2)

© PatBase

Title: METHOD FOR PRODUCING SECURITY MARKINGS

Abstract: The majority of prior art security markings (barcodes, holograms, etc.) are easy to counterfeit, expensive to produce, also accessible to counterfeiters or are non-machine readable. The novel method overcomes said disadvantages. A random pattern is applied to the product or the label. It is highly important that said method is that a very large number of different patterns are produced and that one such pattern can be produced at low costs. The effort required to produce a specific pattern is obviously much higher (e.g. random distribution of effect pigments). A finger print in the form of a data set is extracted from the random input pattern, said finger print containing the individual characteristics of the pattern. Said finger print is individually stored for each security marking. The finger print is extracted again during authentication and is checked to see if it matches the stored finger print. The security marking can generally be used to protect against forgery e.g. for money, documents, water marks, vehicle number plates etc.

Classifications:

International (IPC 8-9): G06K19/06 G07D7/20 (Advanced/Invention);
G06K19/06 G07D7/00 (Core/Invention)

International (IPC 1-7): B42D15/00 B42D15/10 G06K19/06
G06K19/14 G06K5/00 G06K7/10 G06K9/00 G07D7/04 G07D7/12
G07D7/20

CPC: G06K7/1447 G06K19/06046 G06K19/086 G07D7/20

European: G06K19/06C5 G06K19/08C2 G06K7/14A4C G07D7/20

Abbildungen:

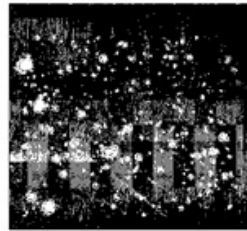


Abbildung 1

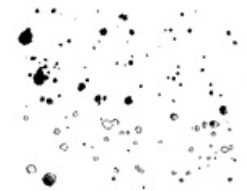


Abbildung 2

Family:

Publication number	Publication date	Application number	Application date
DE10304805 A1	20040819	DE20031004805	20030205
EP1597709 A2	20051123	EP20040708320	20040205
WO04070667 A2	20040819	WO2004EP01087	20040205
WO04070667 A3	20050210	WO2004EP01087	20040205

Priority:

DE20031004805 20030205 WO2004EP01087 20040205

Probable Assignee: INFORMIUM AG**Assignee(s):** (std): BIERMANN NILS ; INFORMIUM AG ; RAUHE HILMAR**Inventor(s):** (std): BIERMANN NILS ; RAUHE HILMAR

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 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 NA 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

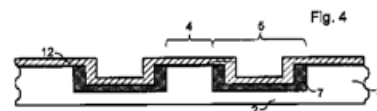
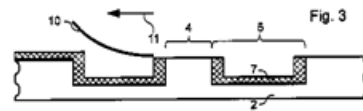
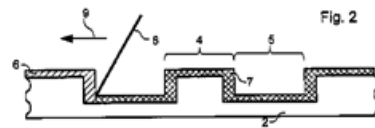
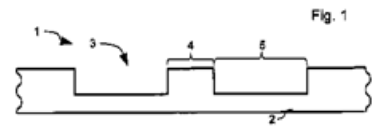
114) Family number: 56772537 (DE102012025262A1)

© PatBase

Title: METHOD FOR MANUFACTURING E.G. SAFETY ELEMENT, INVOLVES APPLYING METALLIZATION COATING ON BOTH SETS OF PORTIONS, WHERE COATING REMOVES NANO-STRUCTURE THAT IS PROCESSED IN ONE OF SETS OF PORTIONS AND ALLOWED TO FORM PIXEL OF SAFETY ELEMENT

Abstract: The method involves providing a substrate i.e. PET film (2), with a top surface and a microstructure (3) at the top surface, where the microstructure comprises a set of portions (4) to be provided in a plane and another set of portions (5) that are provided below the plane. A metallization coating is applied on the sets of portions, where the coating removes the nano-structure. The nano-structure is processed in the former set of portions and allowed to form a perceptible pixel of a safety element (1). A detention film is applied on the nano-structure.

Classifications:**International (IPC 8-9):** B42D25/30 (Advanced/Invention)**CPC:** B42D25/29 B42D25/40 B42D25/21 B42D25/373 B42F5/00 B42D2035/14 B42D2035/20 B42D2035/50



1521

Family:

Publication number	Publication date	Application number	Application date
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Priority:

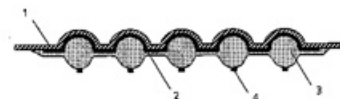
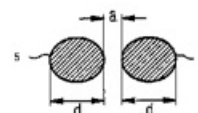
DE201210025262 20121221

Probable Assignee: GIESECKE AND DEVRIENT GMBH**Assignee(s):** (std): GIESECKE AND DEVRIENT GMBH**Inventor(s):** (std): BACHER ERWIN ; BAEHR ANNETT ; FREUTSMIEDL SIMON ; GREGAREK ANDRE ; LOCHBIHLER HANS ; RAHM MICHAEL ; RAUCH ANDREAS**115) Family number: 53550398** (WO13056825A1)

© PatBase

Title: METHOD FOR PRODUCING MICRO-CONCAVE MIRRORS

Abstract: The invention relates to a method for producing micro-concave mirrors, comprising the steps of: providing a carrier substrate; pre-structuring said carrier substrate such that protuberances are produced on a rear side of said carrier substrate and depressions which substantially correspond to those protuberances are produced on a carrier substrate front side which lies opposite said rear side; and applying a reflective coating to at least one side of the carrier substrate, in the region of the protuberances or depressions, such that micro-concave mirrors are formed by these depressions when viewed from the front side of the substrate.

Classifications:**International (IPC 8-9):** B29D11/00 B42D15/10 B44F1/12 (Advanced/Invention)**CPC:** B29D11/00596 B42D25/342**Fig. 1****Fig. 2****Fig. 3**

Family:

Publication number	Publication date	Application number	Application date
DE102011116408 A1	20130425	DE201110116408	20111019
EP2768660 A1	20140827	EP20120784441	20121017
WO13056825 A1	20130425	WO2012EP04343	20121017

Priority:

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Probable Assignee: GIESECKE AND DEVRIENT GMBH

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