

Search history

Search stac = (AUTHENTICAT* AND (UV OR ULTRAVIOLET) AND SENSOR AND LIGHT SOURCE* AND (*CONTROL* OR *PROCESS*)) (Results 39)
1:

Search PN=(WO2016186855) (Results 1)
2:

Search [SP]: packaging authentication an authentication system including a package that includes a container and a closure, an ultraviolet (uv) protector carried by the container, and a uv light responder carried by the container so that at least a portion thereof is protected by the protector from premature exposure to uv light. after removal of the uv light protector, the uv light responder is responsive to a predetermined schedule of uv light exposure so as to change in visual appearance within a predetermined time. the predetermined schedule may include a predetermined wavelength of uv light applied in a predetermined amount and over a predetermined application time. a related apparatus and authentication method are also disclosed. (Results 47)

Search [SP]: 1. an authenticity-indicating package, comprising: a containeran ultraviolet (uv) light protector carried by the container anda uv light responder carried by the container so that at least a portion thereof is protected by the protector from premature exposure to uv light, and, after removal of the uv light protector, the uv light responder is responsive to a predetermined schedule of uv light exposure so as to change in visual appearance within a predetermined time. 2. the package set forth in claim 1, wherein the predetermined schedule includes a predetermined wavelength of uv light applied in a predetermined amount and over a predetermined application time. 3. the package set forth in claim 1, further comprising: a radio frequency identification (rfid) tag carried by the container and responsive to radio frequency interrogation to transmit an activation signal usable by a controller and a container uv light source that cooperate to provide uv light according to the predetermined schedule. 4. the package set forth in claim 1, wherein the responder is non-removably coupled to and carried in a punt of the container, and covered by a removable portion of the uv light protector carried on an outside of the container over a portion of the responder, and wherein a uv blocking medium is carried by the container over another portion of the uv light responder. 5. the package set forth in claim 1, wherein the responder is carried on a shoulder of the container, between a body and a neck of the container. 6. the package set forth in claim 1, wherein the responder irreversibly changes in appearance. 7. an authentication system comprising: the package set forth in claim 1 anda container authenticator, including: a housinga light source carried by the housing to apply a predetermined schedule of ultraviolet (uv) light, including a predetermined wavelength of light in a predetermined amount over a predetermined application time, so as to provoke a change in a uv light respondera sensor carried by the housing to sense the change in the uv light respondera controller carried by the housing, and coupled to the light source to control the light source and coupled to the sensor to determine whether the sensed change in the uv light responder meets a predetermined uv light responder change specification andan indicator carried by the housing, coupled to the controller to receive a signal therefrom, and to indicate authenticity if the controller determines that the sensed change meets the predetermined uv light responder change specification. 8. a container authenticator, comprising: a housinga light source carried by the housing to apply a predetermined schedule of ultraviolet (uv) light, including a predetermined wavelength of light in a predetermined amount over a predetermined application time, so as to provoke a change in a uv light respondera sensor carried by the housing to sense the change in the uv light respondera controller carried by the housing, and coupled to the light source to control the light source and coupled to the sensor to determine whether the sensed change in the uv light responder meets a predetermined uv light responder change specification andan indicator carried by the housing, coupled to the controller to receive a signal therefrom, and to indicate authenticity if the controller determines that the sensed change meets the predetermined uv light responder change specification. 9. the authenticator set forth in claim 8, wherein the predetermined uv light responder change specification includes a predetermined quantity and quality of change in appearance within a predetermined authentication period. 10. the authenticator set forth in claim 8, further comprising: a radio frequency identification (rfid) reader non-removably carried by the housing to read an rfid tag carried by the container, wherein the light source is activated when the rfid tag is recognized as authentic. 11. the authenticator set forth in claim 8, wherein the housing includes a pedestal on which the base of the container is restable. 12. the authenticator of claim 8, wherein the housing carries the container and includes a weight scale to sense a weight of the container, wherein the light source is activated when the weight is indicative of authenticity. 13. the authenticator set forth in claim 8, wherein the housing includes a wand, and a switch carried by the wand to connect the light source to the power source. 14. the authenticator of claim 13, wherein the switch includes a manual on/off switch or an automatic proximity sensor. 15. the authenticator of claim 8, wherein the indicator is a light display having an authentication portion that is activated when the container is determined to be authentic. 16. the authenticator of claim 15, wherein if no change in the uv light responder is detected or a change in the uv light responder is not indicative of authenticity, then the light display is not activated. 17. the authenticator of claim 15, wherein if no change in the uv light responder is detected or a change in the uv light responder is not indicative of authenticity, then a counterfeit-indicating portion of the light display is activated. 18. a system including the authenticator of claim 8, and a container carrying an authentic uv light responder that is responsive to the applied predetermined schedule of uv light in a manner that indicates authenticity to a person viewing the authentic uv light responder. 19. a method of authenticating a package including a container, comprising the steps of: lighting a uv light responder of the package with a predetermined schedule of uv light, including a predetermined wavelength of light in a predetermined amount over a predetermined application time, so as to provoke in the uv light responder a change in visual appearance; sensing the change in the uv light responder; determining whether the change in the uv light responder meets a predetermined uv light responder change specification andindicating authenticity if it is determined that the change meets the predetermined uv light responder change specification. 20. the method of claim 19, further comprising the step of: interrogating a radio frequency identification (rfid) tag carried by the container andwherein the lighting step is carried out only if the rfid tag is recognized as authentic. (Results 0)

Search [SP]: this patent application discloses innovations to packaging authenticity and, more particularly, to authenticity of containers. background
5: many containers are provided with tamper-resistant devices to resist refilling of contents in the containers. for example, a beverage container can include a fitment that renders the container non-refillable, so as to impede efforts to refill the container with inferior products. u.s. pat. no. 3,399,811 illustrates a container of this type. brief summary of the disclosure the present disclosure embodies a number of aspects that can be implemented separately from or in combination with each other.an authenticity-indicating package in accordance with one aspect of the disclosure includes a package including a container, an ultraviolet (uv) light protector carried by the container, and a uv light responder carried by the container so that at least a portion thereof is protected by the protector from premature exposure to uv light. after removal of the uv light protector, the uv light responder is responsive to a predetermined schedule of uv light exposure so as to change in visual appearance within a predetermined time.in accordance with another aspect of the disclosure, there is provided a container authenticator including a housing and a light source carried by the housing to apply a predetermined schedule of ultraviolet (uv) light, including a predetermined wavelength of light in a predetermined amount over a predetermined application time, so as to provoke a change in a uv light responder. the authenticator also includes a sensor carried by the housing to sense the change in the uv light responder, and a controller carried by the housing, and coupled to the light source to control the light source and coupled to the sensor to determine whether the sensed change in the uv light responder meets a predetermined uv light responder change specification. the authenticator further includes an indicator carried by the housing, coupled to the controller to receive a signal therefrom, and to indicate authenticity if the controller determines that the sensed change meets the predetermined uv light responder change specification.in accordance with other aspects of the disclosure, there are provided related manufacturing and authentication methods. brief description of the drawings the disclosure, together with additional objects, features, advantages and aspects thereof, will be best understood from the following description, the appended claims and the accompanying drawings, in which: fig. 1 is a perspective view of an illustrative embodiment of a package authentication system including a package being placed onto an authenticator fig. 1a is an enlarged, fragmentary, schematic view of a portion of the package of fig. 1 fig. 1b is an enlarged, fragmentary, schematic view of a portion of the authenticator of fig. 1 fig. 2 is a perspective view of the system of fig. 1, demonstrating operation when the authenticator determines the package to be authentic fig. 3 is a perspective view of the system of fig. 1, demonstrating operation when the authenticator determines the package to be counterfeit fig. 4 is a perspective view of a package in accordance with another illustrative embodiment of the present disclosure, and illustrating an ultraviolet (uv) light protector being removed from a uv light responder of the package and fig. 5 is a perspective view of the package of fig. 4, without the uv light protector fig. 6 is a perspective view of an illustrative embodiment of an authentication system including an authenticator interacting with the package of fig. 5 and fig. 7 is a perspective view of the package of fig. 4, wherein the uv light responder demonstrates authenticity. detailed description fig. 1 illustrates a package authentication system 10 including an authenticity-indicating package 12 and a package authenticator 14 for cooperation with the package 12, as described in further detail herein below. an object of the present disclosure, in accordance with one aspect thereof, is to enable a reliable indication of authenticity of the package 12 by rendering the package 12 responsive to a predetermined schedule of uv light exposure so that at least a portion of the package 12 changes in visual appearance within a predetermined time. the presently disclosed package 12 provides a temporal, quantitative, and qualitative indication of authenticity, as opposed to a merely binary (absence-presence) indication of authenticity. accordingly, the presently disclosed authentication system 10 and package 12 provides an approach to package authentication that is more subtle and sophisticated than previous approaches and, thus, should render package refilling and/or counterfeiting more

difficult. the package 12 is presented in an original factory sealed state and including a container 18, a closure 20 for the container 18, and a dispensable product p carried in the container 18. with reference to fig. 1a, the package 12 also includes an ultraviolet (uv) protector 22 carried by the container 18, and a uv light responder 24 responsive to ultraviolet (uv) light so as to change in appearance upon exposure thereto. the package 12 also may include a radio frequency identification (rfid) tag 26 carried by the container 18. with reference to fig. 1b, the package authenticator 14 includes a housing 28, a light source 30 carried by the housing 28, a sensor 32 carried by the housing 28, a controller 34 carried by the housing 28 and coupled to the light source 30 and to the sensor 32, and an indicator 36 carried by the housing 28 and coupled to the controller 34 to indicate authenticity of the package 12 or lack thereof. the authenticator 14 also may include a power source 38, a switch 40, a weight scale 42, and/or an rfid interrogator 44 coupled to the controller 34. with reference to fig. 1, the container 18 may be of any suitable shape, and may include a jug, jar, bottle, other food or beverage container, or any other suitable container. the container 18 may be composed of glass and may be a beverage container including a bottom or base 46 that may include a push-up or punt 47, a body 48 extending from the base 46, a shoulder 50 extending from the body 48, and a neck 52 extending from the shoulder 50. the container 18 may be fabricated in press-and-blow, blow-and-blow, or hand blowing glass container manufacturing operations, or in any other suitable manner. the container 18 may be composed of plastic, metal or ceramic material. the product p may include an authentic, genuine, or original material dispensably disposed within the container 18. for example, a product manufacturer may fill the container 18 with the authentic or original flowable product p at a filling or packaging plant or factory and close the container 18 with the closure 20, which may be coupled to the neck 52 of the container 18 by threading, plugging, or in any other suitable manner. the product p may include a liquid or flowable solid, for example, a beverage, for instance, beer, wine, liquor, soda, or any other suitable beverage or liquid, or a flowable food of any kind. in one example embodiment, the closure 20 may be sealed to the container neck 52 with wax, with a paper or plastic seal, with a portion of the closure 20 itself, with a tamper evidence band, or with any other suitable seal or the like (not separately shown). accordingly, the package 12 leaves a filling or packaging plant in an original factory sealed condition. thereafter, for example, after wholesale distribution or retail sale, the seal may be broken and the closure 20 removed to allow the product p to be dispensed out of the container 18 through the neck 52. with respect to fig. 1a, the ultraviolet (uv) light protector 22 may be carried by the container 18 in any suitable manner. as used herein, the phrase "carried by the container" includes carried in the container 18, carried on the container 18, coupled to the container 18, and the like. the uv light protector 22 may include any suitable uv blocking, uv absorbing, and/or uv retarding material or element of any kind. the uv light protector 22 may include an opaque element, for instance, an opaque sticker, label, applique, or the like. the uv light protector 22 may be part of the container composition itself, a coating on interior and/or exterior surfaces of a substrate of the container 18, or the like. for example, the uv light protector 22 may include vanadium, selenium, carbon, iron, other glass colorant materials or colored glass, and/or the like. in another embodiment, the uv light protector 22 may include the product p as a uv blocking medium carried by the container on the other side of the uv light responder 24 so that the responder 24 is protected from ambient uv light shining through the container 18 by the product p in the container 18. for example, some spirits, for instance, cognac, scotch whiskey, whiskey, and/or the like absorb much of the uv spectrum and can be used as the uv light protector. in any case, the uv light protector 22 may be provided over or around the uv light responder 24 to protect the (Results 47)

Search fn=(40800820 or 28218095 or 28436216 or 28628116 or 29442205 or 27909283 or 31830273 or 28857145 or 40901912 or 41845638 or 41950671 or 42111956 or 33282365 or 32514279 or 43474529 or 34235938 or 43214153 or 44263451 or 51416977 or 52996452 or 52078214 or 55882188 or 56489381 or 57425005 or 57419208 or 21747155 or 21785521 or 22462726 or 24895013 or 835307 or 2951700 or 3393726 or 10854932 or 8751428 or 20657111 or 20678857 or 30308926 or 30048894 or 42167485 or 32217202 or 32200677 or 34288565 or 41950671 or 30131095 or 43746645 or 56490419 or 20696990) (Results 46)

Search 3 or 5 or 6 (Results 47)
7:

Search 1 and 7 (Results 1)
8:

Search 1 or 7 (Results 85)
9:

Search 9 and PD<20150521 (Results 74)
10:

1) Family number: 32098450 (US2002085745A)

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Title: AUTOMATED DOCUMENT PROCESSING SYSTEM USING FULL IMAGE SCANNING

Abstract: A document processing system comprises an input receptacle for receiving documents. A transport mechanism receives the documents from the input receptacle and transports the documents past a full image scanner and a discrimination unit. An output receptacle receives the documents from the transport mechanism after being transported past the full image scanner and the discrimination unit. The full image scanner includes means for obtaining a full video image of said documents, means for obtaining a image of a selected area of said documents, and means for obtaining information contained in said selected area of said document. The discrimination unit includes means for determining the authenticity of said document. A system controller directs the flows of documents over the transport mechanism.

Classifications:

International (ipc 8-9): G06K9/00 G06K9/72 G06K9/74 G06K9/78 G06Q20/00 G06Q20/04 G06Q20/10 G06Q20/18 G06Q40/02 G06T1/00 G07D11/00 G07D13/00 G07D3/14 G07D7/00 G07D7/06 G07D7/12 G07D7/20 G07F19/00 H04N1/04 (Advanced/Invention); G07D11/00 (Advanced/Non-invention); G06Q20/00 G07D11/00 G07D13/00 G07D3/00 G07D7/00 G07F19/00 (Core/Invention)

International (ipc 1-7): B07C5/00 G06F17/60 G06K9/00 G06K9/78 G06T1/00 G07D11/00 G07D7/00 G07D7/06 G07D7/12 G07D7/20 G07F19/00 G07F7/04 G07F7/10 H04N1/00 H04N1/04

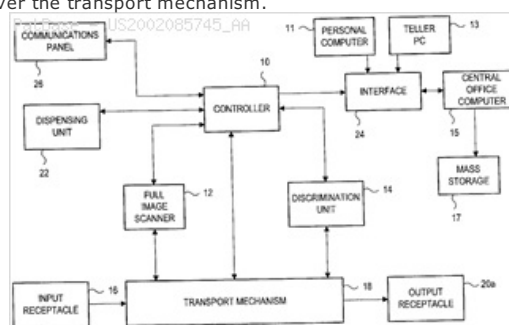
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European: G06K9/00Y1 G06K9/00Z G06K9/03A G06K9/18M G06K9/72S G06Q10/10 G06Q20/042 G06Q20/0425 G06Q20/10 G06Q20/105 G06Q20/108 G06Q20/1085 G06Q20/18 G06Q20/20 G06Q40/00 G06Q40/02 G06T1/00 G06T1/00A G07D11/00D G07D11/00F6 G07D11/00K G07D11/00M G07D3/14 G07D7/04 G07D7/06 G07D7/12 G07D7/12C G07D7/20 G07F19/00F G07F19/20 G07F19/202 G07F19/207 G07F7/04

US: 194/206 209/534 235/379 356/71 382/100P 382/135 382/135P 382/136 382/137 382/137P 382/137S 382/138 382/139 382/139P 382/139S 382/140 382/282 382/311 382/318 705/39 705/42 705/43 705/45 705/45P 902/8

Family:

Publication number	Publication date	Application number	Application date
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AU5725196 A1	19961129	AU19960057251D	19960502
AU6759298 A1	19980929	AU19980067592D	19980311
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WO9840839 A2	19980917	WO1998US04664	19980311
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Priority:

US19950433920	19950502	WO1996US06257	19960502	US19960664262	19960513
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Probable Assignee: CUMMINS ALLISON CORP

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GILCHRIST A PROFESSIONAL CORP; JENKENS AND GILCHRIST PC; NIXON PEABODY LLP

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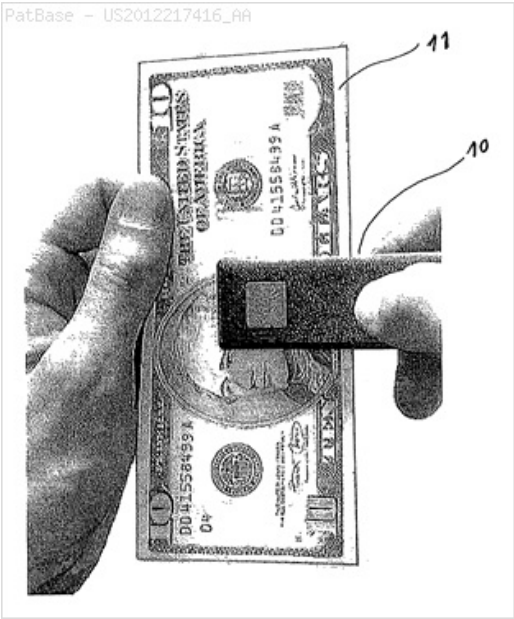
2) Family number: 48841690 (US2012217416A)

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Title: BANKNOTE VALIDATOR

Abstract: The present invention relates to the technical field of devices for reading/authenticating banknotes. The invention also concerns handheld devices, particularly those which may be used by visually impaired persons, to identify different banknote denominations. The present invention is aimed at providing a banknote validator that avoids the drawbacks of the prior art. The validator according to the invention may as well be used for validating a security document including a marking (like luminescent ink or pattern printed on said document, luminescent security thread or strip, for example) operable to glow with a specific color luminescence under appropriate UV light illumination. The invention further describes a method for identifying a denomination of a banknote having a test zone including a marking operable to glow with a specific color luminescence according to the denomination under appropriate UV light illumination.

Classifications:
International (IPC 8-9): G01N21/64 G07D7/00 G07D7/12
G07D7/1205 (Advanced/Invention);
G07D7/12 (Core/Invention);
G07D7/12 (Core/Non-invention)
International (IPC 1-7): G07D7/00
CPC: G01N21/64 G07D7/121 G07D7/128 G07D7/005 G07D7/1205
G07D7/12
European: G07D7/12B G07D7/12V
US: 1/1 235/468 250/459.1 250/459.100P 250/461.1 250/461.100S



Family:

Publication number	Publication date	Application number	Application date
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AU2010311414 AA	20110505	AU20100311414	20101028
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Priority:
US20090255696P 20091028 US20100504790 20101028 WO2010EP66381 20101028
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Probable Assignee: SICPA HOLDING SA
Assignee(s): (std): DECOUX ERIC ; SICPA HOLDING SA ; SIKPA KHOLDING SA
Assignee(s): SICPA HOLDING S A

Inventor(s): (std): DECOUX ERIC ; DEKU EHRIC ; ERIC DECOUX

Agent(s): GRIFFITH HACK; SHELSTON IP; SHELSTON IP PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; OSLER HOSKIN AND HARCOURT LLP; BUBLAK WOLFGANG; GREENBLUM AND BERNSTEIN 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

3) Family number: 43815763 (US2011101088A) © PatBase

Title: IDENTIFICATION AND AUTHENTICATION USING LIQUID CRYSTAL MATERIAL MARKINGS

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

Classifications:

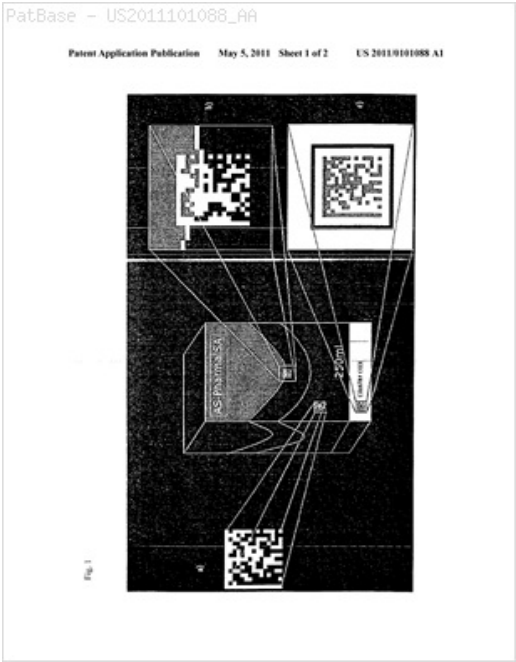
International (IPC 8-9): B41J2/01 B41J2/05 B41J3/01 B41M B41M3/14 B41M5/00 B41M7/00 B42D B42D12/00 B42D15/00 B42D15/08 B42D15/10 B42D25/00 B42D25/29 B42D25/364 B42D25/391 B44F1/00 C09D11/00 C09D11/02 C09K19/38 C09K19/52 C09K19/54 C09K19/58 G02B5/30 G02F1/13 G03G15/01 G03G21/00 G06F17/00 G06K G06K17/00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

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

CPC: B41M7/0081 B41M7/009 C09K19/588 C09K2019/0448 C09K2219/03 G06K19/06009 G09F3/0294 G09F3/0297 G06K19/0614 G06K2017/0041 B42D25/29 B42D25/364 C09K19/586 C09K19/3852 C09K19/3857 C09K19/54 B42D2033/26 B42D2035/34 G07D7/12

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

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



Family:

Publication number	Publication date	Application number	Application date
AP201005432 A0	20101031	AP20100005432	20090402
AP2996 A	20141031	AP20100005432	20090402
AR071463 AA	20100623	AR2009P101185	20090403
AU2009231240 AA	20091008	AU20090231240	20090402
AU2009231240 AB	20101104	AU20090231240	20090402
AU2009231240 BB	20140320	AU20090231240	20090402
CA2719793 AA	20100927	CA20092719793	20090402
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CN102046391 A	20110504	CN200980120560	20090402
CN102046391 B	20130515	CN200980120560	20090402
CO6290729 A2	20110620	CO20100121746	20101001
EA022590 B1	20160129	EA20100071132	20090402
EA201071132 A1	20110630	EA20100071132	20090402
ECSP10010519 A	20101130	EC2010SP10519	20101004
EG26083 A	20130207	EG20100091641	20100929
EP2285587 A2	20110223	EP20090729157	20090402
EP2285587 B1	20161123	EP20090729157	20090402
HK1156579 A1	20140221	HK20110111057	20111017
HK1156579 A1	20120615	HK20110111057	20111017
HK1156579 A3	20120615	HK20110111057	20111017
HK1156579 B	20140221	HK20110111057	20111017
IL208439 A0	20101230	IL20090208439	20090402
IL208439 A1	20151029	IL20090208439	20090402
IN02068MN2010 A	20111202	IN2010MN02068	20100929
JP2011524556 A2	20110901	JP20110502295	20090402
JP2011524556 T2	20110901	JP20110502295T	20090402
JP2014041635 A2	20140306	JP20130208691	20131004
JP5617087 B2	20141105	JP20110502295T	20090402
JP5633029 B2	20141203	JP20130208691	20131004
KR20110005700 A	20110118	KR20107023499	20090402
MA32259 B1	20110401	MA20100033295	20101029
MX2010010820 A1	20110321	MX20100010820	20090402
NZ588366 A	20130328	NZ20090588366	20090402

PE00042010 A1	20100211	PE20090000480	20090402
SA3414 B1	20140521	SA20090300208	20090404
TH112739 A	20120312	TH20091001517	20090402
TN2010000448 A1	20111229	TN20100000448	20100930
TW200946365 A	20091116	TW20090110965	20090402
TWI422498 B	20140111	TW20090110965	20090402
UA100152 C2	20121126	UA20100102835	20090402
UA100152 C2	20121126	UA20100012835	20090402
US2011101088 AA	20110505	US20090935505	20090402
US2012273722 AA	20121101	US20120532277	20120625
US8734679 BB	20140527	US20120532277	20120625
US8740088 BB	20140603	US20090935505	20090402
VN14683 A1	20151125	VN20100002920	20090402
WO09121605 A2	20091008	WO2009EP02435	20090402
WO09121605 A3	20091230	WO2009EP02435	20090402
WO09121605 A4	20100311	WO2009EP02435	20090402
ZA201006974 A	20110629	ZA20100006974	20100930

Priority:

WO2008IB00785 20080402 JP20110502295 20090402 WO2009EP02435 20090402
US20100935505 20101221 US20120532277 20120625

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

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Inventor(s): VICKIE ROZUMEK ; XAVIER GREMAUD ; TILLER THOMASCH ; ROZUMEK OLIVIERCH ; MARGUERETTAZ XAVIERCH ; OLIVIER ; MARGUERETTAZ ; GREMAUD FREDERICCH ; FREDERIC COMMEUREUC ; COMMEUREUC AURELIENCH ; ABOUTANOS VICKIECH ; AURELIEN ABOUTANOS ; AURELIEN COMMERUREC

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GRIFFITH HACK; BERESKIN AND PARR LLP SENCRL SRL; OSLER HOSKIN AND HARCOURT LLP; LUZ CLEMENCIA DE PAEZ; BUBLAK WOLFGANG; HOFFMANN EITL; SHANGHAI PATENT AND TRADEMARK OFFICE; ZHONGZI IP; SANFORD TCOLB AND CO; KATO SHINJI; MORITA KOJI; SUZUKI MAMORU; OHNO SEIJI; GREENBLUM AND BERNSTEIN 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 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

4) Family number: 59062505 (US2015109124A)

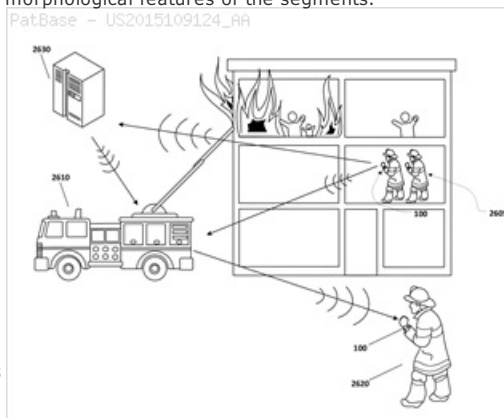
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Title: BIOMETRIC AUTHENTICATION

Abstract: The technology described in this document is embodied in a method that includes processing data in a dataset that represents time-varying information about at least one pulse pressure wave propagating through blood in a subject acquired at a location of the subject. The method also includes determining whether one or more segments of the dataset were captured from a subject other than an expected subject by analyzing morphological features of the segments.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/02 A61B5/0205 A61B5/021 A61B5/024 A61B5/0285 A61B5/029 A61B5/0295 A61B5/0452 A61B5/0464 A61B5/05 A61B5/08 A61B5/11 A61B5/113 A61B5/145 A61B5/16 G05B15/02 G06F19/00 G06F21/00 G06F21/32 G06F3/0481 G08B1/08 G08B21/04 G08B21/06 H04L29/08 H04W8/08 H05B37/02 (Advanced/Invention); A61B5/024 A61B5/0464 A61B5/053 A61B5/08 A61B5/117 H04L29/08 (Advanced/Non-invention)
CPC: A61B5/0205 H05B37/0227 H05B37/0272 A61B5/02405 A61B5/0531 A61B5/0816 A61B5/02007 A61B5/0464 A61B5/02125 A61B5/02416 A61B5/1102 A61B5/0022 A61B5/02028 A61B5/02055 A61B5/02108 A61B5/02427 A61B5/02438 A61B5/029 A61B5/08 A61B5/1118 A61B5/113 A61B5/14542 A61B5/16 A61B5/165 A61B5/4809 A61B5/4815 A61B5/4818 A61B5/486 A61B5/6801 A61B5/681 A61B5/6898 A61B5/7275 A61B5/7282 A61B5/742 A61B5/746 A61B5/4833 G08B21/0453 G06F3/0481 A61B5/0285 G08B21/06 H04L67/12 G06F21/32 A61B5/11 A61B5/1171 G16H40/63 A61B5/117 G06F19/00 A61B5/6824 A61B5/7278
US: 1/1 315/307 340/539.12 600/301 600/479 600/480 600/483 600/500 700/11 700/278 702/19



Family:

Publication number	Publication date	Application number	Application date
CA2928197 AA	20160420	CA20142928197	20141023
EP3060107 A1	20160831	EP20140855152	20141023
JP2016538097 T2	20161208	JP20160550670T	20141023
KR20160075677 A	20160629	KR20167013640	20141023
US2015109124 AA	20150423	US20140522230	20141023
US2015112154 AA	20150423	US20140521767	20141023
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US2015112156 AA	20150423	US20140521823	20141023
US2015112157 AA	20150423	US20140521907	20141023

US2015112158 AA	20150423	US20140522132	20141023
US2015112159 AA	20150423	US20140522398	20141023
US2015112208 AA	20150423	US20140521897	20141023
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US2015112606 AA	20150423	US20140521829	20141023
US2015164351 AA	20150618	US20150630288	20150224
US9396642 BB	20160719	US20140522157	20141023
US9396643 BB	20160719	US20140522230	20141023
WO15061579 A1	20150430	WO2014US61987	20141023
WO16137698 A1	20160901	WO2016US16370	20160203

Priority:

US20130894884P	20131023	US20140002531P	20140523	US20140521767	20141023
US20140521822	20141023	US20140521823	20141023	US20140521829	20141023
US20140522230	20141023	US20140522132	20141023	US20140522398	20141023
US20140521907	20141023	US20140521897	20141023	US20140522157	20141023
WO2014US61987	20141023	US20150630288	20150224		

Probable Assignee: QUANTTUS INC

Assignee(s): (std): QUANTTUS INC

Assignee(s): WALLEN NICHOLAS ; VARGAS BOGART ; WINFIELD CATHERINE ; ROBERT F DUDLEY TRUSTEE OF QUANTTUS LIQUIDATING TRUST AS ; AZIM SHAHID ; BIJJANI RICHARD ROBEHR ; HE DAVID DA ; MACKIE SCOTT

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Agent(s): BCF LLP; CONROY JOHN; FISH AND RICHARDSON PC; SARKAR INDRANIL 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

5) Family number: 43153903 (US2010219251A)

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Title: SECURITY MARKING AUTHENTICATION DEVICE

Abstract: The invention discloses an authentication device for the visual authentication of a document or item comprising a circular polarizing security marking, said device comprising a light source and polarization filters for the either parallel or alternate illumination of said marking on said document with left- and right-circular polarized light. Corresponding methods for the visual and the automated authentication of the marking are disclosed as well.

Classifications:

International (IPC 8-9): G02B5/30 G06K17/00 G06K19/06 G06K19/10 G06K7/10 G06T1/00 G07D G07D7/00 G07D7/12 H04L9/32 (Advanced/Invention);

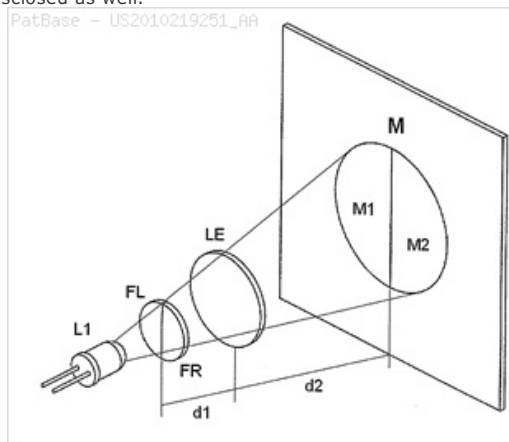
G07D7/00 G07D7/12 (Advanced/Non-invention);
G06K19/06 G06K7/10 G07D7/00 (Core/Invention);
G07D (Subclass/Invention)

International (IPC 1-7): G06K 19/06 G06K9/00 G07D7/00 G07D7/12

CPC: G07D7/00 G07D7/12

European: G07D7/00 G07D7/12

US: 235/470



Family:

Publication number	Publication date	Application number	Application date
AP201005207 A0	20100430	AP20100000527	20071009
AR068683 AA	20091125	AR2008P104361	20081006
AU2007359885 AA	20090416	AU20070359885	20071009
AU2007359885 BB	20121213	AU20070359885	20071009
BRPI0722160 A2	20140318	BR2007PI22160	20071009
BRPI0722160 B1	20181211	BR2007PI22160	20071009
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CA2700616 C	20151222	CA20072700616	20071009
CN101821781 A	20100901	CN200780101071	20071009
CO6270382 A2	20110420	CO20100054925	20100507
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EA018140 B1	20130530	EA20100070435	20071009
EA201070435 A1	20101029	EA20100070435	20071009
EP2203903 A1	20100707	EP20070825316	20071009
EP2203903 B1	20150610	EP20070825316	20071009
ES2546814 T3	20150928	ES20070825316T	20071009
GE20135732 B	20130125	GE20070011773	20071009
IL204551 A0	20101130	IL20070204551	20071009
IL204551 A1	20140831	IL20070204551	20071009

IN00525MN2010 A	20100813	IN2010MN00525	20100317
JP2011501843 T2	20110113	JP20100528492T	20071009
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JP5460819 B2	20140402	JP20120239178	20121030
KR101391568 B1	20140502	KR20107007534	20071009
KR101444644 B1	20140926	KR20147001743	20071009
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KR20140022109 A	20140221	KR20147001743	20071009
MX2010003706 A1	20100421	MX20100003706	20071009
MY162937 A	20170731	MY20100001431	20071009
NZ583960 A	20120928	NZ20070583960	20071009
SA3008 B1	20121103	SA20080290628	20081011
TH109704 A	20110729	TH20081005100	20081003
TR201511154 T4	20150921	TR20150011154T	20071009
TW200921564 A	20090516	TW20080138031	20081003
TWI444926 B	20140711	TW20080138031	20081003
UA99486 C2	20120827	UA20100005584	20071009
US2010219251 AA	20100902	US20070681753	20071009
US8985463 BB	20150324	US20070681753	20071009
WO09047579 A1	20090416	WO20071B03002	20071009

Priority:

BR2007P122160 20071009 NZ20070583960 20071009 JP20100528492 20071009
EP20070825316 20071009 WO20071B03002 20071009 CO20100054925 20100507
JP20120239178 20121030

Probable Assignee: SICPA HOLDING SA

Assignee(s): (std): CALLEGARI ANDREA ; DECOUX ERIC ; SICPA HILDINGS S A ; SICPA HOLDING SA ; SICPA HOLDINH SA

Assignee(s): SICPA HOLDINH SA ; SICPA HOLDING S A

Inventor(s): (std): ERIC DECOUX ; ANDREA CALEGARI ; DECOUX ERIC ; CALLEGARI ANDREA ; ANDREA CALLEGARI

Agent(s): GRIFFITH HACK; SHELSTON IP PTY LTD; SHELSTON IP; OSLER HOSKIN AND HARCOURT LLP; LUZ CLEMENCIA DE PAEZ; BUBLAK WOLFGANG; HOFFMANN EITLE; LEHMANN MARIA ISABEL; SANFORD TCOLB AND CO; SUZUKI MAMORU; TANAKA REIKO; MORITA KOJI; OHNO SEIJI; AYSEGUEL SENARSLAN; FOLEY AND LARDNER LLP; GREENBLUM AND BERNSTEIN PLC; GARNIER DORIAN

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 ZA ZM ZW

6) Family number: 30175993 (US2004094723A)

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Title: DOCUMENT PRODUCTION AND AUTHENTICATION SYSTEM AND METHOD

Abstract: A method of producing an authenticatable document includes providing a media having authentication fibers embedded therein, detecting a presence of at least one of the authentication fibers in the media, and printing authentication indicia on the media after detecting the presence of at least one of the authentication fibers.

Classifications:

International (IPC 8-9): B42D15/00 G01N21/64

G07D7/12 (Advanced/Invention);

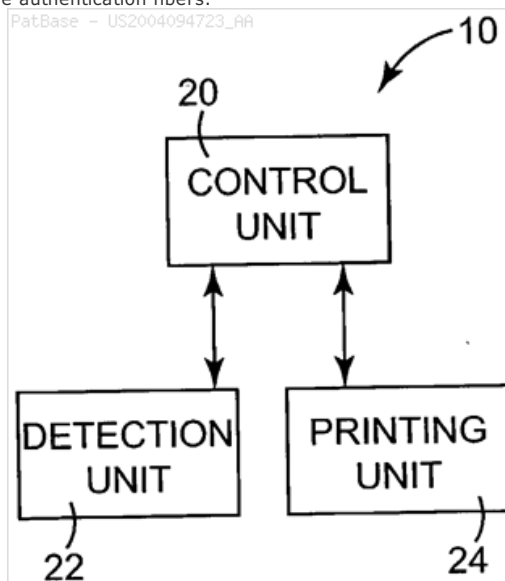
B42D15/00 G07D7/00 (Core/Invention)

International (IPC 1-7): B41J11/00 G01N21/64 G07D7/00 H04L9/00

CPC: B42D25/29 G06K19/086 G07D7/1205

European: B42D15/00C G06K19/08C2 G07D7/12C

US: 250/461.1 250/461.100P 250/559.4



Family:

Publication number	Publication date	Application number	Application date
DE10333521 A1	20040603	DE20031033521	20030723
GB200325845 A0	20031210	GB20030025845	20031105
GB2397155 A1	20040714	GB20030025845	20031105
GB2397155 B2	20060712	GB20030025845	20031105
US2004094723 AA	20040520	US20020295108	20021114
US2005242297 AA	20051103	US20050174122	20050701
US6979827 BB	20051227	US20020295108	20021114

Priority:

US20020295108 20021114 US20050174122 20050701

Probable Assignee: HEWLETT PACKARD DEVELOPMENT CO LP**Assignee(s):** (std): HEWLETT PACKARD DEV CO ; HEWLETT PACKARD DEVELOPMENT CO ; WALKER STEVEN H**Assignee(s):** HEWLETT PACKARD DEVELOPMENT COMPANY L P A PARTNERS ; HEWLETT PACKARD DEVELOPMENT COMPANY L P A PARTNERSHIP ORGANISED AND EXISTING UNDER THE LAWS OF TEXAS ; HEWLETT PACKARD CO ; HEWLETT PACKARD DEVELOPMENT CO L P ; HEWLETT PACKARD DEVELOPMENT CO LP ; HEWLETT PACKARD DEVELOPMENT CO LP A PARTNERSHIP OR ; HEWLETT PACKARD DEVELOPMENT CO LP A PARTNERSHIP ORGANISED AND EXISTING UNDER LAWS OF TEXAS ; HEWLETT PACKARD DEVELOPMENT COMPANY L P**Inventor(s):** (std): WALKER STEVEN H**Inventor(s):** WALKER STEVEN ; STEVEN H WALKER**Agent(s):** HEWLETT-PACKARD COMPANY, INTELLECTUAL PROPERTY ADMINISTRATION; HEWLETT PACKARD CO INTELLECTUAL PROPERTY ADMINISTRATION**7) Family number: 32239051 (US2006159329A)**

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Title: FAKE CURRENCY DETECTOR USING INTEGRATED TRANSMISSION AND REFLECTIVE SPECTRAL RESPONSE**Abstract:** A currency genuineness detection system using plurality of opto-electronic sensors with both transmission and reflective (including fluorescence) properties of security documents is developed. Both detection sensing strategies utilise integrated response of the wide optical band sensed under UV visible along with optional near infra red light illumination. A security document is examined under static condition. A window signal signature is thus possible from photodetectors responses for various kinds of documents of different denominations, kinds and country of origin. A programmable technique for checking the genuineness of a security document is possible by feeding a unique code of the currency under examination.**Classifications:****International (ipc 8-9):** B07C5/00 G06K7/00 G06K9/00 G06K9/74 G07D7/00 G07D7/12 G07D7/1205 G07D7/121

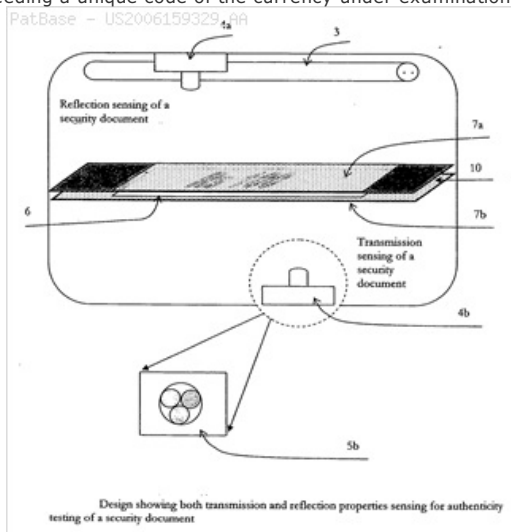
H04N7/18 (Advanced/Invention);

G07D7/12 (Advanced/Non-invention);

B07C5/00 G06K9/00 G07D7/00 H04N7/18 (Core/Invention)

International (ipc 1-7): G07D7/00 G07D7/12**CPC:** G07D7/1205 G07D7/121**European:** G07D7/12B G07D7/12C**US:** 194/302 209/534 348/61 348/61S 348/E7.085 348/E70.85S

382/135 382/135P 382/137 382/138 382/312 902/7

**Family:**

Publication number	Publication date	Application number	Application date
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WO05086099 A1	20050915	WO2005IN00072	20050307

Priority:US20040550737P 20040308 WO2005IN00072 20050307 US20050073585 20050308
US20050263534 20051101 US20090648176 20091228**Probable Assignee:** COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**Assignee(s):** (std): BAJPAI RAM PRAKASH ; BAJPAL RAM PRAKASH ; BATRA SAROJ ; BHARGAW HARI NARAYAN ; COUNCIL SCIENT IND RES ; JOSHI MURLI MANOHAR ; MITRA GAUTAM ; SARDANA HARISH KUMAR**Assignee(s):** COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**Inventor(s):** (std): BAJPAI RAM PRAKASH ; BATRA JOSHI MURLI MANOHAR BAJP ; BATRA SAROJ ; BHARGAW HARI NARAYAN ; JOSHI MURLI MANOHAR ; SARDANA HARISH K ; JOSHI MURLI M ; MITRA GAUTAM ; SARDANA HARISH KUMAR ; BHARGAW HARI N ; BAJPAL RAM PRAKASH ; BAJPAI RAM P**Inventor(s):** BAJPAI RAM ; BHARGAW HARI ; SHRI HARI NARAYAN BHARGAW SC C ; JOSHI MURLI ; DR RAM PRAKASH BAJPAI ; DR HARISH KUMAR SARDANA SC G ; DR GAUTAM MITRA SC G ; SARDANA HARISH ; PROF MURLI MANOHAR JOSHI ; MRS SAROJ BATRA T O B ; JOSHI MURLI MANOHAR BAJPAI RAM PRAKASH MITRA ; JOSHI MURLI MANOHAR BAJPAI RAM PRAKASH MITRA GAUTA ; JOSHI MURLI MANOHAR BAJPAI RAM PRAKASH MITRA GAUTAM SARDANA HARISH KUMAR BHARGAW HARI NARAYAN

BATRASARAJ

Agent(s):

SMART AND BIGGAR; SUGHRUE MION PLLC

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
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YU ZA ZM ZW

8) Family number: 47088433 (US2012061470A)

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Title: IDENTIFICATION AND AUTHENTICATION USING POLYMERIC LIQUID CRYSTAL MATERIAL MARKINGS

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

Classifications:

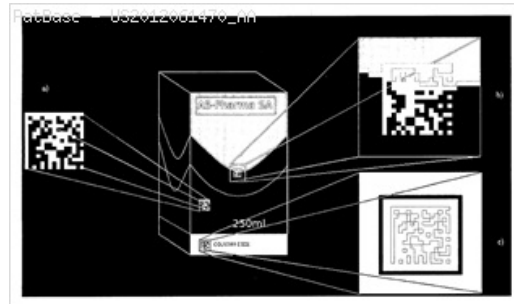
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International (IPC 1-7): C09D11/10 G06K1/00 G06K1/12

CPC: B41M3/006 B41M3/14 B41M7/00 B41M7/0072 B42D25/29 C07D493/04 C09K2019/0448 G02B5/1833 G06K19/06046
G07D7/12 B42D25/364 C09K19/588 B42D2033/26 B42D2035/14

European: G06K19/06C5

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

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US20100262348 20100406 WO2010EP54515 20100406 US20110262348 20111108
US20120532240 20120625

Probable Assignee: SICPA HOLDING SA

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

Assignee(s): SICPA HOLDING S A

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

Inventor(s): GREMAUD FREDERIC COMMEUREUC AURELIEN ABOUTANOS VICKEI TILLER THOMAS ROZUMEK OLIVIER

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

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY NA NE NG NI NL NO NZ OM PE PG PH PL PT PU PY QZ RZ 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: 42965982 (US2009048648A)

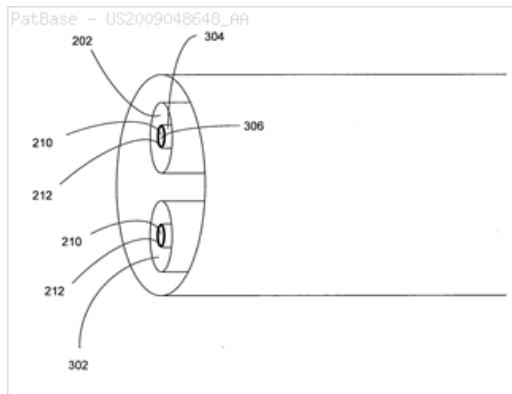
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Title: SELF-STERILIZING DEVICE

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

Classifications:

International (IPC 8-9): A47L1/02 A47L15/00 A61B1/04 A61B18/00 A61B18/04 A61B18/12 A61B18/18 A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B5/145 A61B5/1455 A61B5/1468 A61B5/1486 A61B6/00 A61F2/30 A61F2/54 A61F7/00 A61F7/12 A61H1/00 A61K9/22 A61L17/14 A61L2/00 A61L2/02 A61L2/03 A61L2/08 A61L2/10 A61L2/14 A61L2/16 A61L2/18 A61L2/232 A61L2/24 A61L2/26 A61L27/28 A61L27/30 A61L27/54 A61L29/00 A61L29/08 A61L29/14 A61L29/16 A61L31/02 A61L31/08 A61L31/14 A61L31/16 A61M1/00 A61M25/00 A61M27/00 A61M37/00 A61M39/00 A61M5/00 A61M5/142 A61M5/168 A61N1/00 A61N1/05 A61N1/08 A61N1/20 A61N1/30 A61N1/36 A61N5/00 A61N5/06 B01J19/00 B01J19/12 B08B7/00 B08B9/00 B08B9/20 B82Y30/00 B82Y5/00 E05B1/00 G05D7/06 G06F12/14 G09B19/00 (Advanced/Invention); A61B17/52 A61B18/20 A61B5/053 A61B5/145 A61B5/1459 A61B5/1473 A61F2/00 A61F2/48 A61L11/00 A61L2/04 A61L2/18 A61L9/00 A61N1/20 A61N1/372 A61N1/378 A61N1/40 A61N5/02 A61N5/06 A61N5/10 A61N7/00 B82Y40/00 B82Y5/00 C23F11/00 (Advanced/Non-invention); A61B1/04 A61B18/00 A61B18/04 A61B18/12 A61B18/18 A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B5/145 A61B6/00 A61F2/50 A61F7/00 A61F7/12 A61H1/00 A61L2/00 A61L2/02 A61L2/08 A61L2/10 A61L2/16 A61L2/26 A61M1/00 A61M27/00 A61M39/00 A61M5/00 A61N1/00 A61N1/05 A61N1/08 A61N1/30 A61N1/36 A61N5/00 A61N5/06 B01J19/12 G05D7/06 G06F12/14 G09B19/00 (Core/Invention)



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Family:

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Priority:

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Probable Assignee: GEARBOX LLC

Assignee(s): (std): DACEY RALPH G JR ; DELLA ROCCA GREGORY J ; JUNG EDWARD K Y ; ISHIKAWA MURIEL Y ; HYDE RODERICK A ; DOWLING JOSHUA L ; GOODALL ELEANOR V ; INVENTION SCIENCE FUND I LLC ; DIAZ ROY P ; GEARBOX LLC ; STEWART TODD J ; TEGREENE CLARENCE T ; MYHRVOLD NATHAN P ; SMITH MICHAEL A ; LEUTHARDT ERIC C ; SANTIAGO PAUL ; RIVET DENNIS J ; WOOD LOWELL L ; SEARETE LLC ; WATTENBURG WILLARD H ; SEARETE LLC A LTD LIABILITY OF ; KARE JORDIN T ; SWEENEY ELIZABETH A ; WOOD JR LOWELL L ; BOYDEN EDWARD S ; DACEY JR RALPH G ; ZARE RICHARD N ; WOOD VICTORIA Y H ; WOOD LOWELL L JR

Assignee(s): WOOD VICTORIA YH ; WOOD VICTORIA Y ; DACEY RALPH G ; SEARETE LLC A LIABILITY CORP LTD ; JUNG EDWARD KY ; SEARETE LLC A LIABILITY OF STATE OF DELAWARE CORP LTD ; SEARETE LLC A LIABILITY OF STATE OF STATE OF DELAWARE LTD ; SEARETE LLC A LIABILITY OF SATE OF DELAWARE CORP LTD ; INVENTION SCIENCE FUND I LLC BELLEVUE

Inventor(s): (std): JUNG EDWARD K Y ; DELLA ROCCA GREGORY J ; DOWLING JOSHUA L ; GOODALL ELEANOR V ; DIAZ ROY P ; SMITH MICHAEL A ; TEGREENE CLARENCE T ; RIVET DENNIS J II ; LEUTHARDT ERIC C ; MYHRVOLD NATHAN P ; LEUTHARDT ERIC C ; RIVET II DENNIS J ; SWEENEY ELIZABETH A ; KARE JORDIN T ; RIVET DENNIS J ; STEWART TODD J ; SANTIAGO PAUL ; ROCCA GREGORY J DELLA ; KARA JORDIN T ; BOYDEN EDWARD S ; DACEY JR RALPH ; DACEY RALPH G JNR ; DACEY JR RALPH G ; DACEY RALPH G JR ; WOOD VICTORIA Y H ; WOOD LOWELL L JR ; WOOD JR LOWELL L ; WATTENBURG WILLARD H ; ZARE RICHARD N ; WOOD LOWELL L ; HYDE RODERICK A ; ISHIKAWA MURIEL Y

Inventor(s): JUNG EDWARD KY ; WOOD VICTORIA Y ; DACEY RALPH G ; STEWART TODD J ST LOUIS ; MYHRVOLD NATHAN P BELLEVUE ; WOOD VICTORIA YH

Agent(s): D YOUNG AND CO LLP; HARRIS IAN RICHARD; SEARETE LLC CLARENCE T TEGREENE; SEARETE LLC; INVENTION SCIENCE FUND CLARENCE T TEGREENE; WORKMAN NYDEGGER; DANIEL J; ADVENT LLP; MALASKA STEPHEN L ET AL

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

10) Family number: 32239052 (US2006115139A)

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Title: FAKE CURRENCY DETECTOR USING VISUAL AND REFLECTIVE SPECTRAL RESPONSE

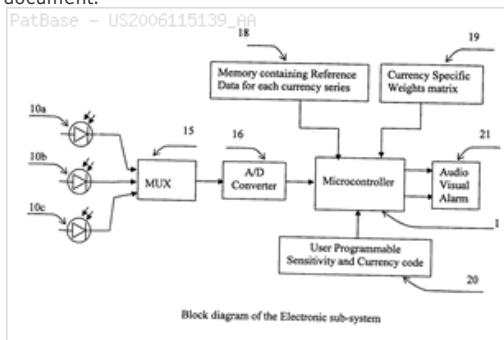
Abstract: A system for automatic detection of authenticity of security documents by measuring reflected components of incident energy in three or more optical wave bands. The system involves the use of UV-visible light source, an optional near infra red light source, photodetectors and associated sensing circuitry. Photoelectric signals generated by photodetectors from the reflected energy received from a security document are used to verify its authenticity under UV-visible along with optional near infra red illumination. The process involves measurement of energy reflected as photoelectric signals from a security document in at least three optical wavebands by suitably located photodetectors with appropriate wave band filters and the electronic signal processing to distinguish between a genuine document from a fake one for ultimate LED indicator display and audio-visual alarms, hence the detection of fake security document.

Classifications:**International (IPC 8-9):** B07C5/00 G06K9/00 G07D7/00 G07D7/12

G07D7/1205 (Advanced/Invention);

G07D7/12 (Advanced/Non-invention);

B07C5/00 G06K9/00 G07D7/00 (Core/Invention)

International (IPC 1-7): G07D7/12**CPC:** G07D7/1205 G07D7/121**European:** G07D7/12B G07D7/12C**US:** 194/302 209/534 382/135 382/137 902/7**Family:**

Publication number	Publication date	Application number	Application date
CA2559102 AA	20060907	CA20052559102	20050307
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CN1950857 B	20120822	CN200580014693	20050307
EP1730705 A1	20061213	EP20050730253	20050307
KR101333278 B1	20131202	KR20067020887	20050307
KR20060131966 A	20061220	KR20067020887	20050307
US2006115139 AA	20060601	US20050266596	20051104
US7684607 BB	20100323	US20050266596	20051104
WO05086100 A1	20050915	WO2005IN00073	20050307

Priority:

US20040551056P 20040309

WO2005IN00073 20050307

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US20050266596 20051104

Probable Assignee: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**Assignee(s):** (std): BAJPAI RAM PRAKASH ; BATRA SAROJ ; COUNCIL SCIENT IND RES ; JOSHI MURALI MANOHAR ; MITRA GAUTAM ; NARAYAN HARI BHARGAW**Assignee(s):** SARDANA HARISH KUMAR ; JOSHI MURLI MANOHAR ; COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**Inventor(s):** (std): BHARGAW HARI N ; BHARGAW HARI NARAYAN ; BHARGAW NARAYAN HARI ; GAUTAM MITRA ; JOSHI MURALI MANOHAR ; JOSHI MURLI M ; JOSHI MURLI MANOHAR ; MANOHAR JOSHI MURALI ; MITRA GAUTAM ; MITRA GAUTUM ; NARAYAN HARI BHARGAW ; PRAKASH BAJPAI RAM ; BAJPAI RAM P ; BAJPAI RAM PRAKASH ; BATRA SAROJ ; SARDANA HARISH K ; SARDANA HARISH KUMAR ; SAROJ BATRA ; SAROJ JOSHI MURALI MANOHAR BAJ**Inventor(s):** BHARGAW HARI ; BAJPAI RAM ; SARDANA HARISH ; JOSHI MURALI MANOHAR BAJPAI RAM PRAKASH MITRA ; JOSHI MURALI MANOHAR BAJPAI RAM PRAKASH MITRA GAUT ; JOSHI MURALI MANOHAR BAJPAI RAM PRAKASH MITRA GAUTAM NARAYAN HARI BHARGAW BATRA SAROJ ; JOSHI MURLI**Agent(s):** SMART AND BIGGAR; SUGHRUE MION PLLC**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 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**11) Family number: 48202527 (US2011020824A)**

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Title: METHODS AND COMPOSITIONS FOR QUANTITATIVE AMPLIFICATION AND DETECTION OVER A WIDE DYNAMIC RANGE

Abstract: Disclosed are compositions and methods for making differentiable amplicon species at unequal ratios using a single amplification system in a single vessel. The number of differentiable amplicons and their ratios to one another are chosen to span the required linear dynamic range for the amplification reaction and to accommodate limitations of the measuring system used to determine the amount of amplicon generated. Unequal amounts of distinguishable amplicon species are generated by providing unequal amounts of one or more amplification reaction components (e.g., distinguishable amplification oligomers, natural and unnatural NTP in an NTP mix, or the like). The amount of target nucleic acid present in a test sample is determined using the linear detection range generated from detection of one or more amplicon species having an amount within the dynamic range of detection.

Classifications:**International (IPC 8-9):** C12N15/09 C12N9/00 C12P19/34 C12Q1/68

C12Q1/6813 C12Q1/6851 C12Q1/6865 G06K19/06 G06K7/10

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G07G1/00 (Advanced/Invention)

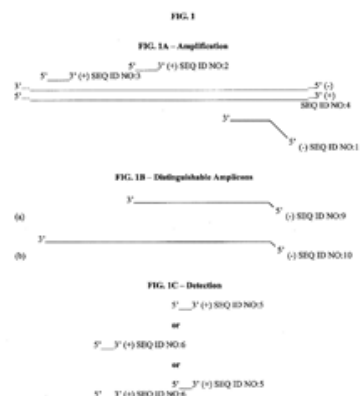
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G06K7/12 G06K7/10732 G06K7/10722 G06Q20/208 G06Q20/409
C12Q1/6851

European: C12Q1/68D8

US: 1/1 435/183 435/183S 435/6 435/6.1 435/6.100P 435/6.11
435/6.12 435/6.18 435/6.180S 435/91.2 435/91.200S 506/9 705/23

PatBase - US2011020824_AA

Patent Application Publication Jan. 27, 2011 Sheet 1 of 13 US 2011/020824 A1



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Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: GEN PROBE INC

Assignee(s): (std): BROWNE KENNETH A ; GEN PROBE INC ; KACIAN DANIEL L ; HAND HELD PROD INC
Assignee(s): HAND HELD PRODUCTS INC ; HAND HELD PRODUCTS INC FORT MILL ; THIRD WAVE TECHNOLOGIES INC ; GOLDMAN SACHS BANK USA ; HOLOGIC INC ; SUROS SURGICAL SYSTEMS INC ; DIRECT RADIOGRAPHY CORP ; GEN PROBE INC SAN DIEGO ; CYTYC CORP ; CYTYC SURGICAL PRODUCTS PARTNERSHIP LTD ; BANK OF AMERICA NA COLLATERAL AGENT AS ; BIOLUCENT LLC

Inventor(s): (std): AU KA MAN ; COYLE LARRY ; DICKINSON CHANDLER ; FURLONG JOHN A ; GIORDANO PATRICK ANTHONY ; GOOD TIMOTHY ; HAGGERTY THOMAS ; HEJL BENJAMIN ; KEARNEY SEAN PHILIP ; ROSETTI JAMES ; VAN HORN ERIK ; WALCZYK JOSEPH A ; WILZ SR DAVID ; KENNETH A BROWNE ; KACIAN DANIEL L ; BROWNE KENNETH A

Inventor(s): BROWNE KENNETH A POWAY ; KACIAN DANIEL L SAN DIEGO ; WILZ SR DAVID MORRISTOWN ; WALCZYK JOSEPH A MORRISTOWN ; VAN HORN ERIK MORRISTOWN ; ROSETTI JAMES MORRISTOWN ; KEARNEY SEAN PHILIP MORRISTOWN ; HEJL BENJAMIN MORRISTOWN ; HAGGERTY THOMAS MORRISTOWN ; GOOD TIMOTHY MORRISTOWN ; GIORDANO PATRICK ANTHONY MORRISTOWN ; FURLONG JOHN A MORRISTOWN ; DICKINSON CHANDLER MORRISTOWN ; COYLE LARRY MORRISTOWN ; AU KA MAN MORRISTOWN ; WILZ SR

Agent(s): SPRUSON AND FERGUSON; GRIFFITH HACK; SMART AND BIGGAR; LLOYD JOHN SCOTT; HOUGHTON MARK PHILLIP; SCRIPT IP LTD; GEN PROBE INC; JEFFREY E; NICHOLAS V; SHERBINA INTELLECTUAL PROPERTY LAW PLLC; BRIAN S; ADDITON HIGGINS AND PENDLETON PA; LANDES JEFFREY E

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

12) Family number: 33173057 (US2001006557A)

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Title: METHOD AND APPARATUS FOR DISCRIMINATING AND COUNTING DOCUMENTS

Abstract: A currency identification system for identifying currency bills of different denominations of a plurality of currency systems. The device comprises a discriminating unit for discriminating the identity a bill, the discriminating unit retrieving characteristic information from said bill. Furthermore, a memory stores master characteristic information associated with each genuine bill which the system is capable of identifying; the memory storing master characteristic information associated with at least one genuine bill from at least two currency systems. A signal processing means compares the retrieved characteristic information with master characteristic information associated with at least one genuine bill; the signal processing means generating an indication of the identity of said bill based on said comparison when said bill is one that the system is capable of identifying.

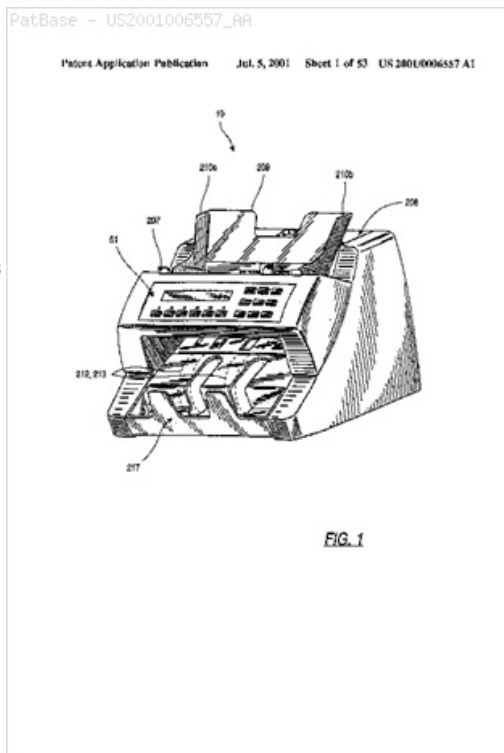
Classifications:

International (IPC 8-9): B07C5/342 B65H3/06 G06K9/00 G06K9/62 G06M3/00 G06M3/10 G06M9/00 G06Q20/00 G06Q20/18 G06Q40/00 G06T1/00 G06T7/00 G07D11/00 G07D3/00 G07D7/00 G07D7/04 G07D7/12 G07D7/16 G07D7/20 G07F19/00 G07F7/04 (Advanced/Invention); G06Q40/00 G06T1/00 G06T7/00 G07D3/00 (Advanced/Non-invention); B07C5/342 B65H3/06 G06K9/00 G06Q20/00 G07D11/00 G07D7/00 G07F19/00 G07F7/00 (Core/Invention)

International (IPC 1-7): B07C5/342 G06F15/30 G06F19/00 G06K7/10 G06K9/00 G06K9/62 G06K9/72 G06M3/00 G06M3/10 G06M9/00 G06T1/00 G06T7/00 G07D3/00 G07D7/00 G07D7/12 **CPC:** G07D7/1205 G07D11/0003 G07D7/128 B65H3/063 B65H3/0638 B65H2301/541 B65H2404/5311 B65H2511/212 B65H2553/51 B65H2557/514 B65H2701/1912 G06Q20/18 G07D7/00 G07D7/04 G07D7/12 G07D7/16 G07D7/162 G07D7/20 G07D11/0084 G07F7/04 G07F19/20

European: B65H3/06F B65H3/06G G06Q20/18 G07D11/00D G07D11/00K G07D7/00 G07D7/00V G07D7/04 G07D7/12 G07D7/12C G07D7/12V G07D7/16 G07D7/16B G07D7/20 G07F19/00F G07F19/20 G07F7/04 L65H301/541 L65H354/100 L65H404/5311 L65H511/212 L65H553/510 L65H557/514 L65H701/1912

US: 194/206 209/534 250/556 271/176 271/4.1 271/41 356/71 382/135 382/135P 382/137 382/191 382/209 382/318 382/320 382/321



Family:

Publication number	Publication date	Application number	Application date
AU199343799 A1	19931213	AU19930043799	19930518
AU1994195 A1	19950925	AU19950019941D	19950308
AU3508495 A1	19960426	AU19950035084D	19950907
AU670297 B2	19960711	AU19930043799	19930518
CA2136194 AA	19941118	CA19932136194	19930518
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JP3098420 B2	20001016	JP19960064914	19960321
JP3253964 B2	20020204	JP19940503812T	19930518
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RU2183861 C2	20020620	RU19960121375	19950308
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US5724438 A	19980303	US19950394752	19950227
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Priority:

US19900475111	19900205	US19920885648	19920519	CA19932136194	19930518
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WO1995US11393	19950907	US19980076528	19980512	US20010798713	20010302

Probable Assignee: CUMMINS ALLISON CORP

Assignee(s): (std): BAUCH ARON M ; CSULITS FRANK M ; CUMMINS ALLISON CORP ; GRAVES BRADFORD T ; JONES JOHN E ; MENNIE DOUGLAS U ; MAZUR RICHARD A ; KAMMINS EHLISON KORP ; JONES WILLIAM J ; RATERMAN DONALD E ; STROMME LARS R ; SCHREITER HEINZ W ; MUNRO MARK C

Assignee(s): BAUCH AARON M ; KAMINZU ARISON CORP

Inventor(s): (std): GRAVES BRADFORD T ; MAZUR RICHARD A ; SCHREITER HEINZ W ; STROMME LARS R ; WILLIAM J JONES ; RICHARD A MAZUR ; MARK C MUNRO ; LARS R STROMME ; LARS L STROMME ; JOHN E JONES ; HEINZ W SCHREITER ; FRANK M CSULITS ; DOUGLAS U MENNIE ; DONALD R RATERMAN ; DONALD E RATERMAN ; BRADFORD T GRAVES ; ARON M BAUCH ; AARON M BAUCH ; BAUKH ARON M ; BAUCH ARON M ; STROMME LARS L ; RATERMAN DONALD R ; BAUCH AARON M ; REHTERMEN DONALD EH ; RATERMAN DONALD E ; MUNRO MARK C ; MENNIE DOUGLAS U ; MENNI DAGLAS JU ; MANRO MARK K ; JONES WILLIAM J ; JONES JOHN E ; GREJVS BREHDFORD T ; FURANKU EMU ZUURITSUTSU ; DZHOUNS UIL JAM DZH ; DZHOUNS DZHON EH ; CSULITS FRANK M ; CHULITS FREHNK M ; STROMM LARS R ; SHRAJTER KHAJNTS U

Inventor(s): REITAAMAN DONARUDO AARU ; BOOCHI EARON EMU ; GUREEBUSU BURATSUDOFUOODO TEII ; DZHOUNS UIL'JAM DZH. ; SUTOROOMU RAAZU ERU

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; MARKS AND CLERK; MASUI CHUJI; SHAMOTO ICHIO; KOBAYASHI YASUSHI; KANDA FUJIHIRO; TOMITA HIROYUKI

Designated states: AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ LK LR 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 SN SZ TD TG TJ TM TT UA UG US UZ VN

13) Family number: 43060143 (US2009083847A)

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Title: EMBEDDED AUTHENTICATION SYSTEMS IN AN ELECTRONIC DEVICE

Abstract: This invention is directed to an electronic device with an embedded authentication system for restricting access to device resources. The authentication system may include one or more sensors operative to detect biometric information of a user. The sensors may be positioned in the device such that the sensors may detect appropriate biometric information as the user operates the device, without requiring the user to perform a step for providing the biometric information (e.g., embedding a fingerprint sensor in an input mechanism instead of providing a fingerprint sensor in a separate part of the device housing). In some embodiments, the authentication system may be operative to detect a visual or temporal pattern of inputs to authenticate a user. In response to authenticating, a user may access restricted files, applications (e.g., applications purchased by the user), or settings (e.g., application settings such as contacts or saved game profile).

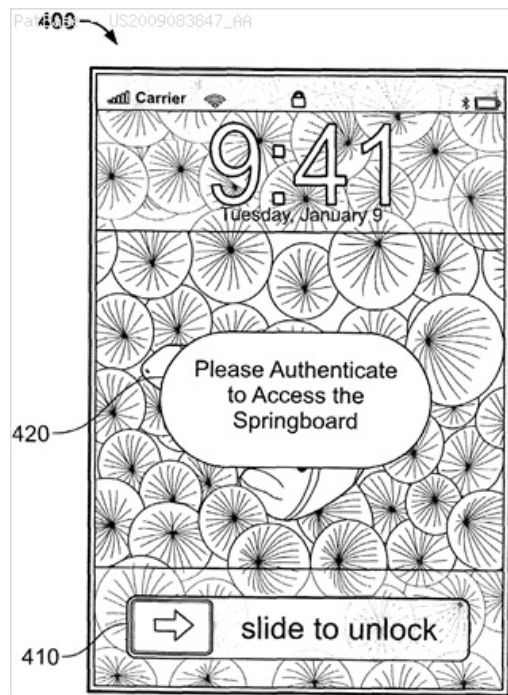
Classifications:

International (IPC 8-9): A61B5/117 A61B5/1172 G06F G06F11/00 G06F21/00 G06F21/04 G06F21/20 G06F21/30 G06F21/31 G06F21/32 G06F21/36 G06F21/62 G06F3/01 G06F3/041 G06F3/048 G06F3/0481 G06F3/0488 G06F7/04 G06K G06K9/00 G06K9/20 G06K9/32 G06T1/00 G06T7/00 G07F7/08 H04L H04L29/06 H04L9/32 H04M1/00 H04M1/21 H04M1/667 (Advanced/Invention); G06F3/0481 G06K9/00 H04L29/06 H04L9/32 (Advanced/Non-invention); G06F21/00 G06K9/00 H04L9/32 (Core/Invention); G06F G06K H04L (Subclass/Invention)

CPC: G06F3/04883 G06K9/00013 H04L63/08 H04L63/104 G06F21/316 G06K9/00033 G06K9/00087 G06F3/0416 G06K9/0002 G06K9/00912 G06F3/04817 G06F3/0412 G06F21/36 G06K9/00255 G06K9/00248 G06K9/3241 H04L63/0861 H04W12/06 H04W88/02 G06F21/32 G06F3/0488 H04L9/3231 G06K9/20

European: G06F21/31B G06F21/32 G06F21/36

US: 1/1 345/173 382/124 713/182 713/186 726/16 726/16P 726/16S 726/17 726/17S 726/19 726/19P 726/4



Family:

Publication number	Publication date	Application number	Application date
AU2008305338 AA	20090402	AU20080305338	20080909
AU2008305338 BB	20111110	AU20080305338	20080909
AU2012200716 AA	20120301	AU20120200716	20120207
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Priority:

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Probable Assignee: APPLE INC

Assignee(s): (std): CABALLERO RUBEN ; DOROGUSKER JESSE LEE ; FADELL ANTHONY ; HODGE ANDREW ; SANFORD EMERY ; SCHELL STEPHAN ; ZADESKY STEPHEN ; APPLE INC

Assignee(s): APPLE INC CUPERTINO

Inventor(s): (std): ANDREW HODGE ; ANTHONY FADELL ; CABALLERO RUBEN ; EMERY SANFORD ; FADELL ANTHONY ; DOROGUSKER JESSE LEE ; HODGE ANDREW ; JESSE LEE DOROGUSKER ; LEE DOROGUSKER JESSE ; RUBEN CABALLERO ; SANFORD EMERY ; ZEDESKY STEPHEN ; ZADESKY STEPHEN S ; SCHELL STEPHAN S ; SANFORD EMERY E ; HODGE ANDREW A ; FADELL ANTHONY A ; DOROGUSKER JESSE LEE JL ; CABALLERO RUBEN R ; ZADESKY STEPHEN PAUL ; SCHELL STEPHAN V ; JL ; HODGE ANDREW BERT ; FADELL ANTHONY M ; DOROGUSKER JESSE LEE ; STEPHAN SCHELL ; STEPHEN ZADESKY ; ZADESKY STEPHEN ; SCHELL STEPHAN

Inventor(s): SCHELL STEPHAN CUPERTINO ; ZADESKY STEPHEN CUPERTINO ; SANFORD EMERY CUPERTINO ; HODGE ANDREW CUPERTINO ; DOROGUSKER JESSE LEE CUPERTINO ; FADELL ANTHONY CUPERTINO ; CABALLERO RUBEN CUPERTINO

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; BARDEHLE PAGENBERG PARTNERSCHAFT MBB PATENTANWALTE RECHTSANWALTE; BARNFATHER KARL JON; ROONEY JOHN PAUL; HOWELL MATTHEW DAFYDD; WILKINSON AND GRIST; MARKS AND CLERK; KING AND WOOD MALLESONS IP LTD; TOKKYO GYOMUHOJIN MEISEI INT PATENT FIRM; KRAMER LEVIN NAFTALIS AND FRANKEL LLP; MORRISON AND FOERSTER LLP; DENTONS US LLP; LEBLOND PAUL E 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 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

14) Family number: 31984855 (EP0805408A2)

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Title: METHOD AND APPARATUS FOR DISCRIMINATING AND COUNTING DOCUMENTS

Abstract: A currency identification system comprises at least two scanheads positioned so as to permit scanning of a bill along at least two segments on a first side of said bill, said first-side scanheads being capable of detecting characteristic information from said bill along said segments and generating corresponding output signals representing variations in the

detected characteristic information from which scanned patterns of characteristic information may be generated, at least two of said scanheads being laterally displaced relative to one another, means for generating at least one scan pattern from said output signals, said at least one scanned pattern representing analog variations in said characteristic information along a segment of said bill, a memory for storing at least one master pattern associated with each genuine bill which the system is capable of identifying, said at least one master pattern representing analog variations in characteristic information along a segment of an associated genuine bill, and a signal process means for performing a pattern comparison.

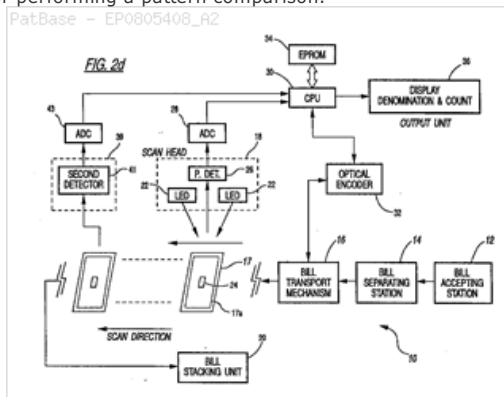
Classifications:

International (IPC 8-9): B65H3/06 G06K7/10 G06K9/00 G06Q20/00 G07D11/00 G07D7/00 G07D7/04 G07D7/12 G07D7/16 G07D7/20 G07F19/00 G07F7/04 (Advanced/Invention)

International (IPC 1-7): G06K7/10 G06K9/00 G07D7/00 G07D7/12 G07D7/20

CPC: G07D7/1205 G07D7/128 B65H3/063 B65H3/0638 B65H2301/541 B65H2404/5311 B65H2511/212 B65H2553/51 B65H2557/514 B65H2701/1912 G06Q20/18 G07D7/00 G07D7/04 G07D7/12 G07D7/16 G07D7/162 G07D7/20 G07D11/0084 G07F7/04 G07F19/20

European: B65H3/06F B65H3/06G G06Q20/18 G07D11/00K G07D7/00 G07D7/00V G07D7/04 G07D7/12 G07D7/12C G07D7/12V G07D7/16 G07D7/16B G07D7/20 G07F19/00F G07F19/20 G07F7/04 L65H301/541 L65H354/100 L65H404/5311 L65H511/212 L65H553/510 L65H557/514 L65H701/1912



Family:

Publication number	Publication date	Application number	Application date
EP0805408 A2	19971105	EP19970113399	19950308
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EP0807904 A2	19971119	EP19970113395	19950308
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EP0875866 A3	19991103	EP19980114333	19950308
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EP1158469 A3	20050629	EP20010121615	19950308
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Priority:

US19940207592 19940308	US19940219093 19940329	US19940226660 19940412
US19940226660 19940412	US19940243807 19940516	US19940287882 19940809
US19940317349 19941004	US19940340031 19941114	US19940362848 19941222
US19950394752 19950227	US19950399854 19950307	EP19950913629 19950308
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Probable Assignee: CUMMINS ALLISON CORP

Assignee(s): (std): CUMMINS ALLISON CORP

Inventor(s): (std): STROMME LARS R ; SHREITER HEINZ W ; SCHREITER HEINZ W ; RATERMAN DONALD E ; MUNRO MARK C ; MENNIE DOUGLAS U ; MAZUR RICHARD A ; JONES WILLIAM J ; JONES JOHN E ; GRAVES BRADFORD T ; CSULITS FRANK M ; BAUCH AARON M

Agent(s): GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ANWALTSSOZIETAET

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

15) Family number: 33341035 (US2008118987A)

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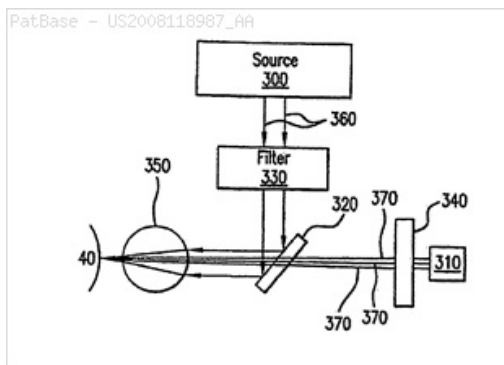
Title: MICROFLUIDIC DEVICE FOR IDENTIFICATION, QUANTIFICATION, AND AUTHENTICATION OF LATENT MARKERS

Abstract: Devices and methods for identification, authentication, and quantification of one or more covert markers in a material are disclosed. A device includes a microfluidic cell, a liquid transfer system, and a detector system and is an integrated unit providing an automated, in-line process for identifying one or more materials containing at least one latent marker that may transform into an active form. The microfluidic cell is for receiving a material containing a latent marker and has at least one inlet for receiving one or more liquids and one or more outlets through which liquids exit. The liquid transfer system is operably connected to the microfluidic cell and delivers liquids to the microfluidic cell. The detector system is proximate to the outlets for detecting the active form of the marker. With the device, a number of independent processing and analytic steps are combined onto a single, portable unit.

Classifications:

International (IPC 8-9): B01D B01D11/02 B01D11/04 B01J19/00 B01J19/08 B01L11/00 B01L99/00 G01N1/34 G01N15/06 G01N21/64

G01N21/65 G01N21/66 G01N30/26 G01N33/00
G06G7/48 (Advanced/Invention);
B01D11/02 B01D11/04 B01J19/00 B01J19/08 G01N1/34
G01N21/64 (Core/Invention);
B01D B01L (Subclass/Invention)
International (IPC 1-7): B01L11/00
CPC: Y10T436/25375 B01D11/04 B01D11/0496 B01L2200/0636
B01L2200/0673 B01L2300/0816 B01L2400/0487 G01N21/17
G01N27/44721 B01L3/502784 B01L3/502776
European: B01D11/04 B01D11/04U B01L3/5027J2 B01L3/5027J4
G01N21/17 L01L200/06G L01L200/06K L01L300/08B4 L01L400/04M8
S01N27/447B3A
US: 205/687 205/687S 422/129 422/224 422/224S 422/68.1
422/68.100S 422/82.05 422/82.050S 436/166 436/166P 436/172
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Family:

Publication number	Publication date	Application number	Application date
AT541640 E	20120215	AT20060737393T	20060308
BRPI0608286 A2	20091222	BR2006PI08286	20060308
CA2599569 AA	20070824	CA20062599569	20060308
DE602006027168 D1	20120322	DE200660027168T	20060308
EA014116 B1	20101029	EA20070001904	20060308
EA200701904 A1	20080228	EA20070001904	20060308
EP1868725 A1	20071226	EP20060737393	20060308
EP1868725 A4	20090617	EP20060737393	20060308
EP1868725 B1	20120118	EP20060737393	20060308
EP2334395 A2	20110622	EP20090748162	20090729
IN01226CN2011 A	20111202	IN2011CN01226	20110222
IN03911CN2007 A	20071221	IN2007CN03911	20070907
US2008118987 AA	20080522	US20070852092	20070907
US2009023223 AA	20090122	US20080182749	20080730
US8354069 BB	20130115	US20080182749	20080730
WO06096761 A1	20060914	WO2006US08217	20060308
WO10014682 A2	20100204	WO2009US52069	20090729
WO10014682 A3	20100527	WO2009US52069	20090729
ZA200707354 A	20090429	ZA20070007354	20060308
ZA201100895 A	20120530	ZA20110000895	20090729

Priority:

US20050659669 20050308 US20050659669P 20050308 EP20060737393 20060308
WO2006US08217 20060308 US20070852092 20070907 US20080182749 20080730
WO2009US52069 20090729

Probable Assignee: AUTHENTIX INC

Assignee(s): (std): DORLAND ERWIN ; EASTWOOD IAN ; TAYLOR ANDREW ; AUTHENTIX INC

Assignee(s): AUTHENTIX INC ADDISON ; SILICON VALLEY BANK AS ADMINISTRATIVE AGENT ; SILICON VALLEY BANK ADMINISTRATIVE AGENT AS

Inventor(s): (std): TAYLOR ANDREW ; GUELI DAVID ; EASTWOOD IAN ; DORLAND ERWIN ; BERGSTROM EDMUND ; AL DZHAFARI MOHAMMED ; MOHAMMED AL JAFARI ; IAN EASTWOOD ; ERWIN DORLAND ; AL JAFARI MOHAMMED ; BERGSTROM EDMUND T ; GOODALL DAVID ; DAVID GOODALL ; ANDREW TAYLOR

Inventor(s): GOODALL DAVID ADEDISON ; BERGSTROM EDMUND T ADEDISON ; AL JAFARI MOHAMMED ADEDISON ; EDMUND T BERGSTROM

Agent(s): KIRBY EADES GALE BAKER; PETERREINS FRANK; FISH AND RICHARDSON PC; KELLY; MATHESON KEYS GARSSON AND KORDZIK PLLC; KORDZIK KELLY K ET AL

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

16) Family number: 56727197 (US2014168426A)

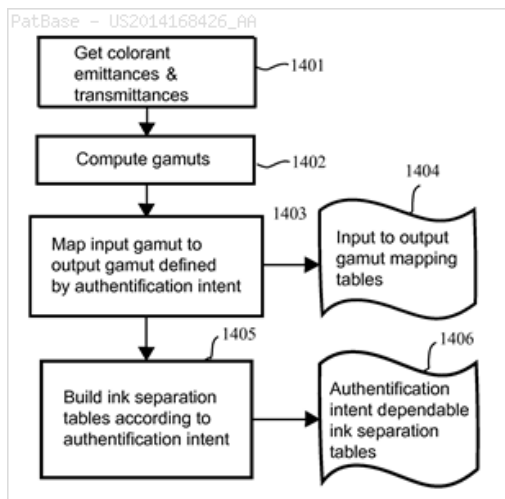
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Title: SYNTHESIS OF AUTHENTICABLE HALFTONE IMAGES WITH NON-LUMINESCENT HALFTONES ILLUMINATED BY AN ADJUSTABLE LUMINESCENT EMISSIVE LAYER

Abstract: A method and computing system are proposed for producing an authenticable security device with two sides. The verso side is covered with an adjustable luminescent emissive layer formed by invisible luminescent ink halftones and possibly a UV absorbing printed layer. The recto side is covered with transmissive non-luminescent ink halftones. The backlit colors resulting from the emissions of the luminescent layer or resulting from illumination by normal white light through the transmissive non-luminescent ink halftones are predicted by a backlighting model. This model enables computing the surface coverages of the luminescent and/or non-luminescent ink halftones in order to obtain a desired color either under excitation light (UV light) or under normal white light. This enable creating authenticable backlit images substantially similar to pre-stored reference images, either under normal white light, under excitation light, or under both the normal white light and the excitation light.

Classifications:

International (IPC 8-9): B41M3/14 B42D15/00 B42D25/00
B42D25/29 B42D25/405 G07D7/12 G07D7/20 (Advanced/Invention)
CPC: B41M3/14 B42D25/00 B42D25/29 B42D25/405 G07D7/205
B42D25/387 B42D25/21 B42D25/23 B42D25/24 B42D25/41
B41M3/144 B42D2033/04 B42D2033/06 B42D2033/20 B42D2035/26
G07D7/1205 G07D7/206
US: 1/1 283/85 348/143 358/3.06



Family:

Publication number	Publication date	Application number	Application date
US2014168426 AA	20140619	US20120716226	20121217
US9085190 BB	20150721	US20120716226	20121217
WO14096936 A1	20140626	WO20131B02800	20131211

Priority:

US20120716226 20121217

Probable Assignee: ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE EPFL

Assignee(s): (std): ANDRES JULIEN ; ECOLE POLYTECH ; HERSCH ROGER D

Assignee(s): ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE EPFL

Inventor(s): (std): ANDRES JULIEN ; HERSCH ROGER D ; HERSCH ROGER DAVID

Agent(s): ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE EPFL

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

17) Family number: 12121905 (US6094500A)

© PatBase

Title: APPARATUS FOR AUTHENTICATING SHEETS

Abstract: A self-service deposit terminal (10) is arranged to authenticate bank notes by exposing them to ultra-violet (UV) light which causes forged notes comprising wood-based paper to fluoresce. Each note (36) is individually transported between a UV light tube (38) and a first photo-diode (40). The level of light emitted by the UV light tube is monitored by a second photo-diode (52). The amplified output of this second photo-diode acts as a threshold value. The amplified outputs of both photo-diodes are applied to a Schmitt trigger (60) which outputs a high signal if the tested note is judged to fluoresce and a low signal if it does not. The output of the Schmitt trigger (60) is applied to a data processing means (24) which determines either solely on this output, or in conjunction with the output from other validation means, whether the tested note is genuine or not.

Classifications:

International (IPC 8-9): G01N21/64 G07D7/00 G07D7/12

G07D7/18 (Advanced/Invention);

G01N21/64 G07D7/00 (Core/Invention)

International (IPC 1-7): G01N21/64 G06K9/00 G07D G07D7/00 G07F

CPC: G07D7/1205

European: G07D7/12C

US: 356/71 382/135

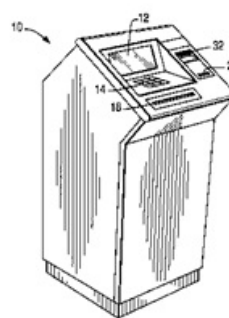


FIG. 1

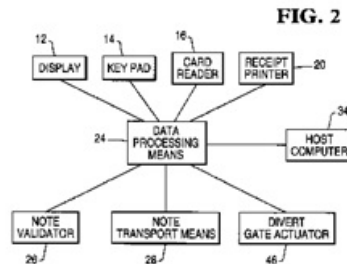


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
EP0880113 A1	19981125	EP19980303732	19980513
GB9710717 A0	19970716	GB19970010717	19970524
JP10334302 A2	19981218	JP19980140228	19980521
US6094500 A	20000725	US19980022804	19980213
ZA9804133 A	19991115	ZA19980004133	19980515

Priority:

GB19970010717 19970524

Probable Assignee: NCR CORP**Assignee(s):** (std): NCR CORP ; NCR INT INC**Assignee(s):** NCR INTERNATL INC ; JPMORGAN CHASE BANK NA ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS**Inventor(s):** (std): HEELAN PHILIP J ; ROSS GARY A**Inventor(s):** GARY A ROSS ; PHILIP J HEELAN**Designated states:** DE ES FR GB IT**18) Family number: 49310189** (US2011267445A)

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Title: FINGERPRINT AUTHENTICATION APPARATUS AND FINGERPRINT AUTHENTICATION METHOD

Abstract: A fingerprint authentication apparatus and a fingerprint authentication are provided. The fingerprint authentication apparatus is configured to prevent infection from viruses or bacteria and quickly and accurately perform fingerprint authentication. The fingerprint authentication apparatus includes an irradiation section that irradiates a mounting section when a finger is not detected to prevent infection.

Classifications:**International (IPC 8-9):** A61B5/117 G06K9/00 G06T1/00

H04N7/18 (Advanced/Invention);

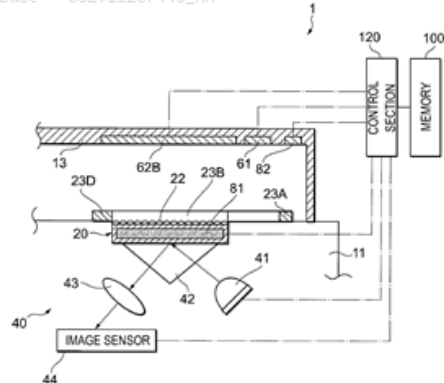
G06K9/00 (Advanced/Non-invention)

CPC: A61B5/1172 A61B2560/0242 A61B2562/14 A61B2562/245

A61L2/10 A61L2/24 G06K9/00013

European: A61B5/117B A61L2/10 A61L2/24 G06K9/00A1

K61B560/02F K61B562/14 K61B562/24D

US: 348/77 348/77P 348/E7.085 348/E70.85S 382/124 382/124S**Family:**

Publication number	Publication date	Application number	Application date
JP2011232990 A2	20111117	JP20100103610	20100428
JP4693192 B1	20110601	JP20100103610	20100428

US2011267445 AA	20111103	US20100968952	20101215
US2012127296 AA	20120524	US20120362062	20120131
US8125517 BB	20120228	US20100968952	20101215
US8487988 BB	20130716	US20120362062	20120131

Priority:

JP20100103610 20100428 US20100968952 20101215 US20120362062 20120131

Probable Assignee: EMPIRE TECHNOLOGY DEVELOPMENT LLC

Assignee(s): (std): EMPIRE TECHNOLOGY DEV LLC ; EMPRIE TECH DEV LLC ; EMPRIE TECHNOLOGY DEV LLC ; OGUCHI SHINOBU

Assignee(s): EMPRIE TECHNOLOGY DEVELOPMENT LLC ; EMPIRE TECHNOLOGY DEVELOPMENT LLC

Inventor(s): (std): OGUCHI SHINOBU

Agent(s): MASCHOFF GILMORE AND ISRAELSEN; MASCHOFF BRENNAN

19) Family number: 59062756 (US2015109643A)

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Title: POINT-OF-SALE SCANNER

Abstract: A method of verifying the authenticity of an identification card, including capturing, with a point-of-sale scanner, a first image of the identification card, configuring an ultraviolet filter mounted within the point-of-sale scanner to allow the passage of ultraviolet light within, illuminating the identification card with ultraviolet light, capturing, with the point-of-sale scanner, a second image of the identification card, and determining if the identification card is authentic by analyzing the first and second images.

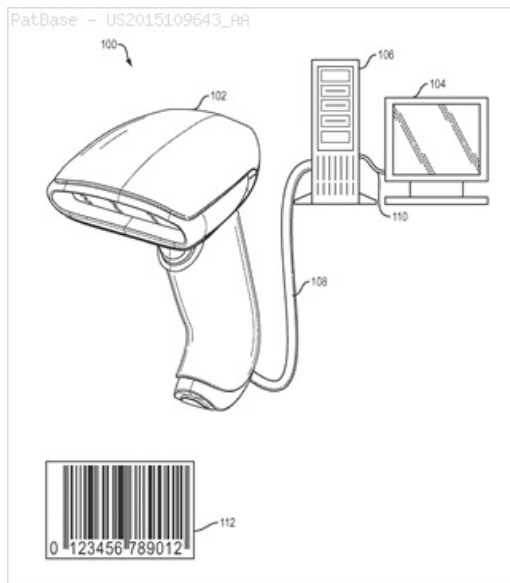
Classifications:

International (IPC 8-9): G06K19/06 G06K7/10 G06K7/14 G06Q20/20 G07D7/00 G07D7/12 G07D7/20 G07D7/2033 G07F7/08 G07G1/00 H04N1/00 H04N1/024 H04N1/028 H04N1/40 (Advanced/Invention)

CPC: G06K7/10881 G06K7/10564 G06K7/1447 G06K19/0614

G07D7/20 G06Q20/204 G07D7/12 G07D7/2033 G07F7/086 G07G1/0081 H04N1/00005 H04N1/02815 H04N2201/0081 H04N2201/0096 G07D7/0026 G07D7/0043

US: 1/1 235/375 235/462.45 235/494 358/448



Family:

Publication number	Publication date	Application number	Application date
US2015109643 AA	20150423	US20140520598	20141022
US2016154985 AA	20160602	US20160988148	20160105
US2016163142 AA	20160609	US20160045090	20160216
US9235836 BB	20160112	US20140520598	20141022
US9582700 BB	20170228	US20160988148	20160105
US9685021 BB	20170620	US20160045090	20160216
WO15061406 A1	20150430	WO2014US61711	20141022

Priority:

US20130894111P 20131022 US20140520598 20141022 US20160988148 20160105
US20160045090 20160216

Probable Assignee: CVS PHARMACY INC

Assignee(s): (std): AUGER RAYMOND W ; CVS PHARMACY INC

Inventor(s): (std): AUGER RAYMOND W

Agent(s): KACVINSKY DAISAK BLUNI PLLC BOSTON; BLUNI SCOTT T 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 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

20) Family number: 32880795 (US2006091208A)

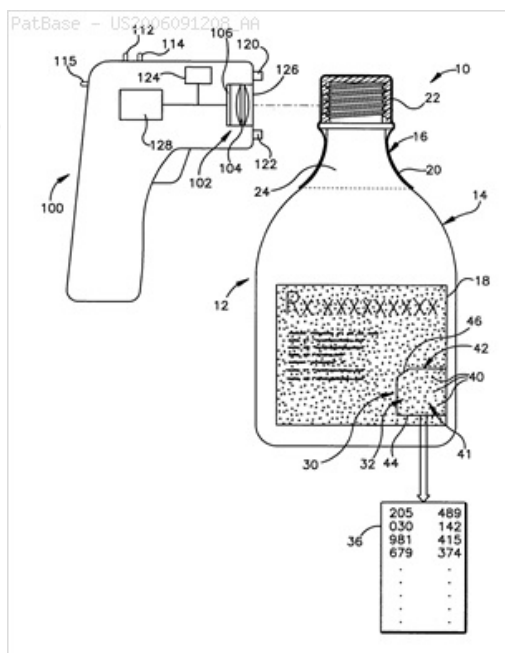
© PatBase

Title: METHOD OF AUTHENTICATING PRODUCTS USING ANALOG AND DIGITAL IDENTIFIERS

Abstract: A method of identifying or authenticating a product by providing an analog identification indicium including a randomized pattern of identification features on a first part of the product wherein one or more attributes of the randomized pattern of identification features correspond to an item identifier. A digital identification record is provided on a second part of the product including an encoded digital version of the item identifier, the first and second parts being separable when the product is used. The randomized pattern of identification features of the analog identification indicium is read and decoded to

Classifications:

US: 235/383 235/385 235/385P 235/462.01 235/462.09 235/462.34
235/468 235/470 235/470P 713/180 713/180P



Family:

Publication number	Publication date	Application number	Application date
CN101189613 A	20080528	CN200680019460	20060525
EP1891567 A2	20080227	EP20060771241	20060525
EP1891567 A4	20100106	EP20060771241	20060525
JP2008542916 T2	20081127	JP20080514706T	20060525
US2006091208 AA	20060504	US20050039682	20050119
US2006091209 AA	20060504	US20050140794	20050531
US2006091221 AA	20060504	US20050229253	20050916
US2006095778 AA	20060504	US20040977597	20041029
US7309011 BB	20071218	US20050140794	20050531
US7364074 BB	20080429	US20050039682	20050119
US7566004 BB	20090728	US20050229253	20050916
WO06130444 A2	20061207	WO2006US20354	20060525
WO06130444 A3	20070518	WO2006US20354	20060525
WO06130444 B1	20070719	WO2006US20354	20060525

Priority:

US20040977597	20041029	US20050039682	20050119	US20050140794	20050531
US20050229253	20050916	WO2006US20354	20060525		

Probable Assignee: SYMBOL TECHNOLOGIES INC

Assignee(s): (std): CALLAHAN WILLIAM J ; HE DUANFENG ; SYMBOL TECHNOLOGIES INC

Assignee(s): SYMBOL TECHNOLOGIES LLC ; MORGAN STANLEY SENIOR FUNDING INC COLLATERAL AGENT AS

Inventor(s): (std): CALLAHAN WILLIAM J ; HE DUANFENG ; JOSEPH EUGENE ; DUANFENG HE

Inventor(s): CALLAHAN WILLIAM

Agent(s): EMDE ERIC; WATTS HOFFMANN CO LPA; WATTS HOFFMAN CO LPA; TAROLLI SUNDHEIM COVELL AND
TUMMINO 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 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

21) Family number: 48342798 (US2011043486A)

Title: LIQUID CRYSTAL DISPLAY DEVICE, BLACK MATRIX SUBSTRATE AND COLOR FILTER SUBSTRATE

Abstract: A liquid crystal display device includes a first substrate, a second substrate located opposite the first substrate via a liquid crystal, a blue display element, a green display element, a red display element, a short-wavelength optical sensor, a red optical sensor, and an infrared optical sensor formed on a liquid crystal side surface of the first substrate, and a color filter formed between the first substrate and the second substrate and includes a blue filter, a green filter, a first red filter, a short-wavelength transmission filter, a second red filter, and an infrared transmission filter corresponding to the blue display element, the green display element, the red display element, the short-wavelength optical sensor, the red optical sensor, and the infrared optical sensor, respectively.

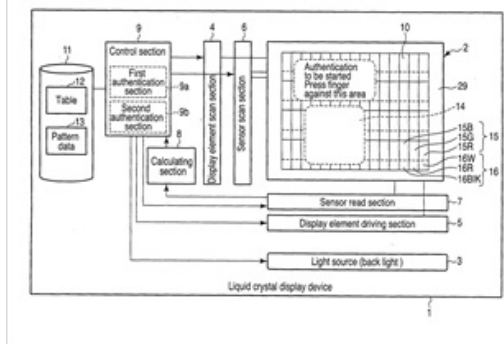
Classifications:

International (IPC 8-9): G02B5/20 G02B5/22 G02F1/133
G02F1/1333 G02F1/1335 G02F1/13357 G02F1/1339 G06F3/042
G09G3/36 G09G5/00 (Advanced/Invention):

G09G5/38 G09G5/00 (Advanced/Invention),
G02B5/20 G02F1/1333 G02F1/1335 G06F3/042 (Core/Non-invention)

CPC: G02F1/133512 G02F1/133514 G02F2001/13312

G02F2001/13396 G06F3/0412 G06F3/042
European: G02F1/1335F2 G06F3/041D G06F3/042 S02F1/1335F1
 S02F1/1339E S02F1/133D1



Family:

Publication number	Publication date	Application number	Application date
CN101995697 A	20110330	CN201010260485	20100820
CN101995697 B	20140827	CN201010260485	20100820
JP2011065133 A2	20110331	JP20100113591	20100517
KR101209341 B1	20121206	KR20100080970	20100820
KR20110019723 A	20110228	KR20100080970	20100820
TW201116892 A	20110516	TW20100125722	20100803
TWI456297 B	20141011	TW20100125722	20100803
US2011043486 AA	20110224	US20100805731	20100817
US8659724 BB	20140225	US20100805731	20100817

Priority:

JP20090191326 20090820 JP20100113591 20100517

Probable Assignee: TOPPAN PRINTING CO LTD

Assignee(s): (std): FUKUYOSHI KENZO ; HAGIWARA HIDESATO ; TOPPAN PRINTING CO LTD

Assignee(s): TOPPAN PRINTING CO

Inventor(s): (std): FUKUYOSHI KENZO ; HAGIWARA HIDESATO ; HAGIWARA HIDEAKI ; HIDESATO HAGIWARA ; KENZO FUKUYOSHI

Agent(s): STAAS AND HALSEY LLP

22) Family number: 41579787 (WO08081465A2)

Title: INTERACTIVE SMART PACKAGE - ASSOCIATED DEVICE FOR ANTI-COUNTERFEIT AND COMPLIANCE MEASURES

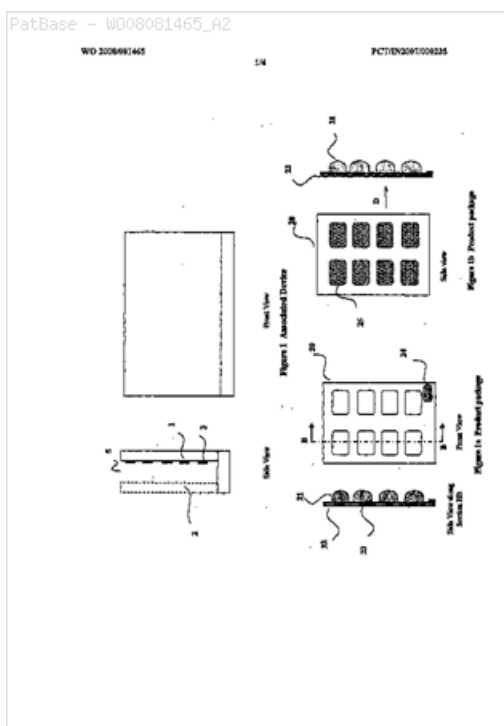
Abstract: The present invention relates to a smart system comprising product package with signal generating means and chip along with an associated device that facilitates detection of the presence or absence of product/s in the package. The signal generating means is disposed in the package such that removal of product/s from the package generate signal and / or alter the signal detected by a signal sensing means in the said associated device. This synergistic combination of the product package with signal generating means and an associated device facilitates detection of presence / absence of product in the package. Further, the interactive smart package and the associated device ensures user registration and identification, authentication and registration of the package, user interactive capabilities for real time feed back to and /or by the user and/or with an integrated system connecting various user entities to ensure effective and secured user compliance measures.

Classifications:

International (IPC 8-9): A61J1/00 B65D55/02 B65D83/00 G06Q10/00 G06Q50/00 (Advanced/Invention); B65D55/02 B65D83/00 G06Q10/00 (Core/Invention)

International (IPC 1-7): G09F3/02

CPC: B65D75/36 B65D2203/12
European: B65D75/36 L65D203/12



Family:

by the operator.

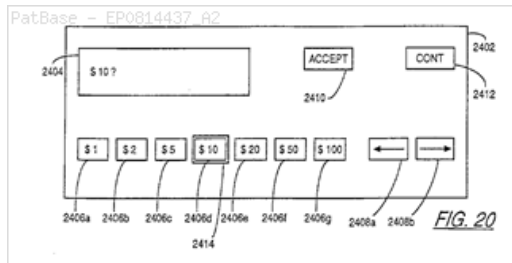
Classifications:

International (IPC 8-9): B07C5/342 B65H3/06 G06K9/00 G06M9/00 G06Q20/00 G07D11/00 G07D7/00 G07D7/04 G07D7/12 G07D7/16 G07D7/20 G07F19/00 G07F7/04 (Advanced/Invention)

International (IPC 1-7): G06K9/00 G07D7/00 G07D7/12

CPC: G07D7/1205 B65H3/063 B65H3/0638 B65H2301/541 B65H2511/212 B65H2553/51 B65H2557/514 B65H2701/1912 G06Q20/18 G07D7/00 G07D7/04 G07D7/12 G07D7/128 G07D7/16 G07D7/162 G07D7/20 G07D11/0084 G07F7/04 G07F19/20

European: B65H3/06F B65H3/06G G06Q20/18 G07D11/00K G07D7/00 G07D7/00V G07D7/04 G07D7/12 G07D7/12C G07D7/12V G07D7/16 G07D7/16B G07D7/20 G07F19/00F G07F19/20 G07F7/04 L65H301/541 L65H354/100 L65H511/212 L65H553/510 L65H557/514 L65H701/1912



Family:

Publication number	Publication date	Application number	Application date
EP0814437 A2	19971229	EP19970116644	19950907
EP0814437 A3	19980204	EP19970116644	19950907
EP0814438 A2	19971229	EP19970116645	19950907
EP0814438 A3	19980204	EP19970116645	19950907
EP0814439 A2	19971229	EP19970116652	19950907
EP0814439 A3	19980204	EP19970116652	19950907
EP0814439 B1	20020814	EP19970116652	19950907
EP0814439 B2	20100616	EP19970116652	19950907
EP1246139 A2	20021002	EP20020013565	19950907
EP1246139 A3	20061115	EP20020013565	19950907

Priority:

US19940317349 19941004 US19940340031 19941114 WO1995US02992 19950308
US19950494091 19950623 US19950505773 19950721 US19950522173 19950831
EP19950931767 19950907

Probable Assignee: CUMMINS ALLISON CORP

Assignee(s): (std): CUMMINS ALLISON CORP

Inventor(s): (std): MUNRO MARK C ; MENNIE DOUGLAS U ; JONES WILLIAM J ; JONES JOHN E ; GRAVES BRADFORD T ; CSULITS FRANK M

Agent(s): GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER ANWALTSSOZIETAET

Designated states: DE FR GB

25) Family number: 54312212 (US2013181435A)

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Title: SYNTHESIS OF AUTHENTICABLE HALFTONE IMAGES WITH NON-LUMINESCENT HALFTONES ILLUMINATED BY A LUMINESCENT EMISSIVE LAYER

Abstract: A method and computing system are proposed for producing an authenticable security device with two sides. The verso side is covered with a luminescent emissive variable intensity layer formed for example by invisible luminescent ink halftones and the recto side is covered with transmissive non-luminescent ink halftones. The backlit colors resulting from the emissions of the luminescent layer or resulting from illumination by normal white light through the transmissive non-luminescent ink halftones are predicted by a backlighting model. This model enables computing the surface coverages of the luminescent and/or non-luminescent ink halftones in order to obtain a desired color either under excitation light (UV light) or under normal white light. This enable creating authenticable backlit images substantially similar to pre-stored reference images, either under normal white light, under excitation light, or under both the normal white light and the excitation light.

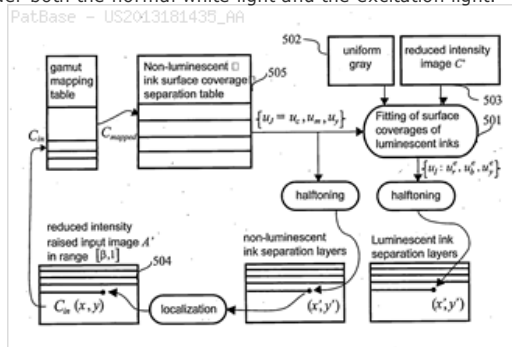
Classifications:

International (IPC 8-9): B42D15/00 H04N1/405

H04N5/30 (Advanced/Invention)

CPC: H04N1/52 B42D2035/26 H04N1/6058 B42D25/29 B42D25/48 G07D7/1205

US: 283/85 348/143 348/E5.085 358/3.06



Title: METHOD FOR APPLYING A SECURITY MARKING TO AN OBJECT AND A HYPER-SPECTRAL IMAGING READER

Abstract: Provided is a method for applying a security marking to an object and a hyper-spectral imaging device to readout the embedded information in the security marking to verify the object's authenticity. The present invention relates generally to the field of security markings and anti-counterfeiting technologies. More particularly to optical product authentication methods, which are based on photoactive nanoparticles emitting in visible and near-infrared wavelengths when excited with ultra violet or near infrared light.

Classifications:

International (IPC 8-9): B42D15/00 B42D25/00

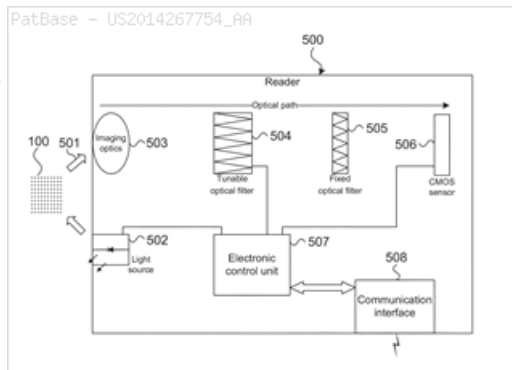
G06K9/00 (Advanced/Invention)

CPC: G06K9/00442 B42D25/333 B42D25/382 B42D25/387 B41M3/14

B41M3/144 G07D7/205 B42D25/29 G07D7/1205 G07D7/206

G01J3/2823 G01J2003/2806 G01J2003/2826

US: 283/67 283/85 348/162



Family:

Publication number	Publication date	Application number	Application date
US2014267754 AA	20140918	US20130833630	20130315
WO14140431 A1	20140918	WO2014FI50195	20140317

Priority:

US20130833630 20130315 FI20130005257 20130318

Probable Assignee: LUXTREME LTD

Assignee(s): (std): KATILA PEKKA ; LUXTREME LTD ; RANTALA JUHA

Assignee(s): LUMICHIP LTD

Inventor(s): (std): KATILA PEKKA ; RANTALA JUHA

Agent(s): SEPPO LAINE OY

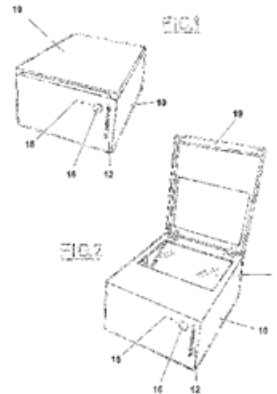
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX 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: DISPOSITIVO AUTENTICADOR DE DOCUMENTOS

Abstract: Source: PE10842014Z [ES] REFERIDO A UN DISPOSITIVO QUE COMPRENDE UNA PLACA DE SOPORTE TRANSPARENTE SOBRE LA QUE SE DISPONEN LOS DOCUMENTOS A AUTENTICAR; UN SENSOR DE CAPTACION DE IMAGEN CON UNA OPTICA ASOCIADA PARA CAPTURAR UNA IMAGEN DEL DOCUMENTO, MEDIANTE UNOS ESPEJOS QUE SE ENCARGAN DE TRANSFERIR LA IMAGEN A LA OPTICA; Y UN SISTEMA DE ILUMINACION QUE INTEGRA AL MENOS UNA PRIMERA FUENTE DE ILUMINACION, APTA PARA EMITIR LUZ EN EL ESPECTRO VISIBLE. EL DISPOSITIVO INTEGRA UNA BASE PORTADORA DEL SENSOR, LA OPTICA, LA ILUMINACION CON FUENTE; ASI COMO UNA PLACA DE CONTROL ELECTRONICA; UNOS MEDIOS DE INTERFAZ Y DE CONEXION; Y UNA CARCASA A MODO DE CUBIERTA SUPERPUESTA A LA BASE, QUE SUSTENTA LOS ESPEJOS Y LA PLACA DE SOPORTE

Classifications:

International (IPC 8-9): G02B27/22 G07D7/00 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
BR202012016867 U2	20150714	BR20122016867U	20120709
PE10842014 Z	20140912	PE20130001521U	20130704

Priority:

BR20122016867U 20120709

Probable Assignee: ICAR VISION SYSTEMS S L**Assignee(s):** (std): ICAR VISION SYSTEMS S L**Assignee(s):** ICAR VISION SYSTEMS SL

Inventor(s): (std): CANERO MORALES CRISTINA ; CANET JOSEP LLADOS ; CHAPAPRIETA MARTINEZ VICENTE ; CODO GRASA XAVIER ; COSTA MONTMANY EVA ; LLADOS CANET JOSEP ; LOPEZ PEREZ JORDI ; LUMBRERAS RUIZ FELIPE ; MARTINEZ VICENT CHAPAPRIETA ; MONTMANY EVA COSTA ; MORALES CRISTINA CANERO ; PEREZ JORDI LOPEZ ; RUIZ FELIPE LUMBRERAS

Inventor(s): VICENT CHAPAPRIETA MARTINEZ ; CRISTINA CANERO MORALES ; EVA COSTA MONTMANY ; FELIPE LUMBRERAS RUIZ ; JORDI LOPEZ PEREZ ; JOSEP LLADOS CANET

28) Family number: 32559812 (EP1616929A2)

© PatBase

Title: USE OF LUMINESCENT RUTHENIUM (II)-TYPE PIGMENTS IN SECURITY DOCUMENTS, THE PROCESS AND DEVICE TO DETECT THEM

Abstract: Luminescent pigments (1) of the type used in security documents or goods (2), or the combination of several luminescent pigments (1), which have specific luminescent characteristics such that the illumination response of each luminescent pigment (1) is different, enabling these security documents to be coded (2), and the method and device used to detect these luminescent pigments.

Classifications:**International (IPC 8-9):** B42D15/00 C07F15/00 C09K11/06

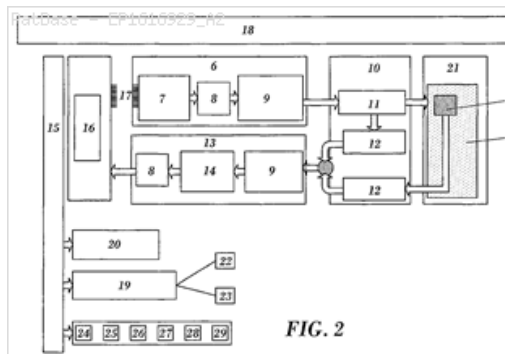
F21V13/00 G02B27/10 G02B3/02 G03G21/04

G07D7/12 (Advanced/Invention);

B42D15/00 C07F15/00 C09K11/06 F21V13/00

G02B27/10 G02B3/02 G03G21/00 G03G21/04

G07D7/00 (Core/Invention)

CPC: B42D15/00 C07F15/00 G03G21/04 G07D7/12 B42D25/29 C09K11/06 G07D7/1205**European:** B42D15/00 B42D15/00C C07F15/00 C09K11/06 G03G21/04 G07D7/12 G07D7/12C M09K211/18K**FIG. 2****Family:**

Publication number	Publication date	Application number	Application date
AT443119 E	20091015	AT20050380153T	20050712
CN1727919 A	20060201	CN200510092271	20050713
CY1110635 T1	20150429	CY20091101279T	20091208
DE602005016631 D1	20091029	DE200560016631T	20050712
DK1616929 T3	20091214	DK20050380153T	20050712
EP1616929 A2	20060118	EP20050380153	20050712
EP1616929 A3	20060906	EP20050380153	20050712

EP1616929 B1	20090916	EP20050380153	20050712
ES2292273 AA	20080301	ES20040001711	20040713
ES2292273 BA	20090216	ES20040001711	20040713
ES2333603 T3	20100224	ES20050380153T	20050712
PT1616929 T	20091221	PT20050380153T	20050712
SI1616929 T1	20100129	SI20050030848T	20050712

Priority:

ES20040001711 20040713 EP20050380153 20050712

Probable Assignee: FAB NAC MONEDA Y TIMBRE ES

Assignee(s): (std): FED SIGNAL VAMA S A ; FED SIGNAL VAMA SA ; NAC DE MONEDA Y TIMBRE REAL CA ; FAB NAC MONEDA Y TIMBRE ES

Assignee(s): FABRICA NACIONAL DE MONEDA Y TIMBRE REAL CASA DE L ; FABRICA NACIONAL DE MONEDA Y TIMBRE REAL CASA DE LA MONEDA ; FEDERAL SIGNAL VAMA SA ; NACIONAL DE MONEDA Y TIMBRE REAL CASA DE LA MONEDA ; NACIONAL DE MONEDA Y TIMBRE REAL CASA DE LA MONEDA FAB ; FEDERAL SIGNAL VAMA S A ; NACIONAL DE MONEDA Y TIMBRE REAL CASA DE LA ; NACIONAL DE MONEDA Y TIMBRE REAL CASA DE FAB

Inventor(s): (std): FRESNADILLO DAVID GARCIA ; GONZALEZ MARCELINO SANCHEZ ; BASTOSTOLUNS J ; LOPEZ RAUL DIEZ ; ARANDA FRANCISCO JAVIER GAMO ; ALONSO JOSE LUIS GARCIA ; ALONSO JESUS DELGADO ; SANCHEZ GONZALEZ MARCELINO ; ORELLANA MORALEDA GUILLERMO ; GRANDE VICENTE CRISTINA ; GARCIA FRESNADILLO DAVID ; GARCIA ALONSO JOSE LUIS ; GAMO ARANDA FRANCISCO JAVIER ; DIEZ LOPEZ RAUL ; DELGADO ALONSO JESUS ; MORALEDA GUILLERMO ORELLANA ; VICENTE CRISTINA GRANDE

Inventor(s): CRISTINA GRANDE VICENTE ; RAUL DIEZ LOPEZ ; FRANCISCO J GAMO ARANDA ; MARCELINO SANCHEZ GONZALEZ ; DAVID GARCIA FRESNADILLO ; FRANCISCO JAVIER GAMO ARANDA ; GUILLERMO ORELLANA MORALEDA ; J BASTOSTOLUNS ; JESUS DELGADO ALONSO ; JOSE LUIS GARCIA ALONSO

Agent(s): CARPINTERO LOPEZ FRANCISCO

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

29) Family number: 34235938 (US2006037329A)

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Title: THERMAL ENERGY STORAGE AND COOLING SYSTEM WITH SECONDARY REFRIGERANT ISOLATION

Abstract: Disclosed are a method and device for a refrigerant-based thermal storage system wherein a condensing unit and an ice-tank heat exchanger can be isolated through a second heat exchanger. The disclosed embodiments provide a refrigerant-based ice storage system with increased reliability, lower cost components, and reduced power consumption compared to a single phase system such as a glycol system.

Classifications:

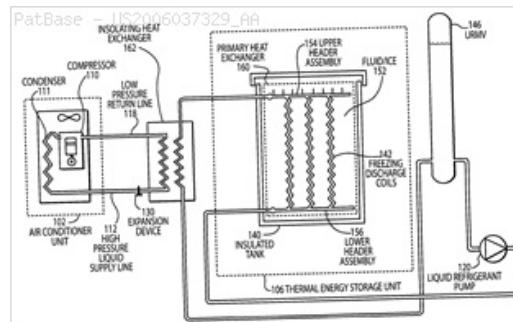
International (IPC 8-9): B65D23/00 B65D23/16 B65D51/24 B65D79/02 C02F1/32 F24F5/00 F25B1/00 F25B25/00 F25B27/00 F25B41/00 F25B41/04 F25C1/00 F25D16/00 F25D17/00 F25D17/02 F25D3/00 G01J3/46 G09F3/02 (Advanced/Invention); B65D23/00 B65D51/24 B65D79/02 C02F1/32 F24F5/00 F25B1/00 F25B25/00 F25B41/04 F25B41/04 F25C1/00 F25D16/00 F25D17/00 F25D3/00 G01J3/46 G09F3/02 (Core/Invention)

International (IPC 1-7): B65D79/02 C02F1/32 F24F5/00 F25D16/00 **CPC:** F24F5/0017 F24F2005/0067 F25B2400/24 F25D16/00 F25D17/02 Y02E60/147 B65D23/16 B65D51/248 B65D79/02 C02F1/32 F25B25/005

European: B65D23/16 B65D51/24K B65D79/02 F24F5/00C5 F25D16/00 F25D17/02 M02F1/32 R24F5/00F9A R25B25/00B R25B400/24 Y02E60/14F

US: 206/459.1 215/365 220/377 220/662 356/51 62/115 62/115P

62/235.1 62/235.100S 62/333 62/333P 62/434 62/434S 62/435 62/435S 62/498 62/498S 62/502 62/502P 62/59 62/59P



Family:

Publication number	Publication date	Application number	Application date
AU2005277327 AA	20060302	AU20050277327	20050818
AU2005277327 BB	20100513	AU20050277327	20050818
CN100547323 C	20091007	CN200580035460	20050818
CN101040156 A	20070919	CN200580035460	20050818
CN101291857 A	20081022	CN200580051833	20051123
CN101291857 B	20100526	CN200580051833	20051123
DE602005036314 D1	20121122	DE200560036314T	20050818
EP1794516 A1	20070613	EP20050789103	20050818
EP1794516 B1	20120926	EP20050789103	20050818
ES2396319 T3	20130220	ES20050789103T	20050818
IN00848KN2008 A	20081128	IN2008KN00848	20080226
JP2008510952 T2	20080410	JP20070528039T	20050818
JP5145561 B2	20130220	JP20070528039T	20050818
MX2007002037 A1	20071011	MX20070002037	20050818
US2006037329 AA	20060223	US20050208074	20050818
US2006070385 AA	20060406	US20050284533	20051121
US2008209941 AA	20080904	US20080100893	20080410
US2009284732 AA	20091119	US20050989658	20051123
US2011000247 AA	20110106	US20100879416	20100910
US2011061410 AA	20110317	US20100950046	20101119
US7363772 BB	20080429	US20050208074	20050818
US7421846 BB	20080909	US20050284533	20051121
US7793515 BB	20100914	US20080100893	20080410
US8505313 BB	20130813	US20100950046	20101119
US8707723 BB	20140429	US20100879416	20100910
WO06023716 A1	20060302	WO2005US29535	20050818

WO07021293 A1	20070222	WO2005US42409	20051121
WO07021294 A1	20070222	WO2005US42781	20051123

Priority:

US20040602774P	20040818	US20050707719P	20050812	US20050707719	20050812
EP20050789103	20050818	US20050208074	20050818	WO2005US29535	20050818
US20050284533	20051121	WO2005US42781	20051123	US20050989658	20051123
US20080100893	20080410	US20100879416	20100910	US20100950046	20101119

Probable Assignee: ICE ENERGY HOLDINGS INC

Assignee(s): (std): ICE ENERGY HOLDINGS INC ; ICE ENERGY INC ; ICE ENERGY LLC ; NARAYANAMURTHY RAMACHANDRAN ; WILLIS ROBERT R JR ; WILLIS JR ROBERT R ; VITALE RODNEY P

Assignee(s): WILLIS JR

Inventor(s): (std): RAMACHANDRAN NARAYANAMURTHY ; WILLIS ROBERT R JR ; NARAYANAMURTHY RAMACHANDRAN ; WILLIS JR ROBERT R ; VITALE RODNEY P

Inventor(s): NARAYANAMURTHY RAMACHANDRAN LOVELAND ; WILLIS ROBERT ; WILLIS JR ; WILLIS ROBERT RJR ; WILLIS ROBERT R

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; RICHARDS JOHN; GARCIA-CABRERIZO GARCIA-CABRERIZO PEDRO; COCHRAN FREUND AND YOUNG LLC; BERLINER AND ASSOCIATES; THOMPSON PAUL M; PAUL M

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

30) Family number: 42111956 (US2008197969A)

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Title: METHODS AND SYSTEMS FOR AUTHENTICATING CONTENTS OF A BOTTLE

Abstract: A system for authenticating contents of a bottle containing an alcoholic beverage includes a neck seal, a first reader, a second reader, and a server. The neck seal is attached to the bottle and includes a neck seal identification number and an invisible security taggant. The first reader scans the neck seal, detects the presence of the security taggant, and authenticates the neck seal. The second reader retrieves a bottle tag number from a radio-frequency identification tag. The server authenticates the contents of the bottle responsive to identifying an association between the neck seal identification number and the bottle tag number.

Classifications:

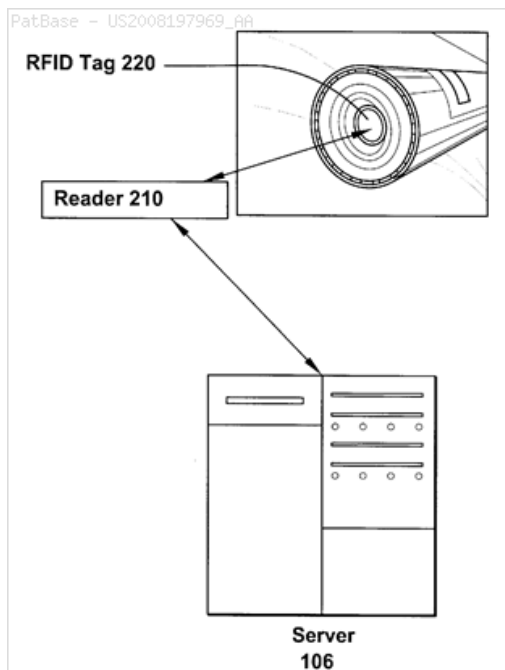
International (IPC 8-9): G01D9/00 G01K1/02 G01W1/00 G06F7/00 G06F7/04 G06K19/067 G06Q10/00 G08B13/14 G08B17/00 G08B21/00 H01L H01L21/20 H01L29/00

H04Q9/00 (Advanced/Invention)

CPC: G06Q10/00 G06Q10/087

European: G06Q10/00 G06Q10/087

US: 340/5.8 340/5.800P 340/572.1 340/572.100P 340/584 340/584S 340/585 340/588 340/601 340/602 340/870.07 340/870.070P 374/152 374/152S 374/E1.002 374/E10.02S 700/213 700/214 702/130 702/130S 702/82 702/82P 705/28 705/28S



Family:

Publication number	Publication date	Application number	Application date
AU2008219433 AA	20080904	AU20080219433	20080214
AU2008219433 BB	20131003	AU20080219433	20080214
AU2013276981 AA	20140116	AU20130276981	20131224
AU2013276981 BB	20141120	AU20130276981	20131224
EP2115776 A2	20091111	EP20080729824	20080214
EP2115776 A4	20120404	EP20080729824	20080214
HK1134375 A1	20100423	HK20100102381	20100305
NZ579400 A	20120831	NZ20080579400	20080214
US2008197969 AA	20080821	US20080022884	20080130
US2008198013 AA	20080821	US20080022887	20080130
US2008198014 AA	20080821	US20080022890	20080130
US2008201094 AA	20080821	US20080022878	20080130
US2012019398 AA	20120126	US20110211137	20110816
US8022832 BB	20110920	US20080022878	20080130
US8248254 BB	20120821	US20110211137	20110816
WO08106329 A2	20080904	WO2008US53916	20080214
WO08106329 A3	20081224	WO2008US53916	20080214

Priority:

US20070890149P 20070215 US20080022884 20080130 US20080022887 20080130
US20080022878 20080130 US20080022890 20080130 AU20080219433 20080214
WO2008US53916 20080214 US20110211137 20110816 AU20130276981 20131224

Probable Assignee: EPROVENANCE LLC**Assignee(s):** (std): CHURCHILL RUTH ; EPROVENANCE CORP ; EPROVENANCE LLC ; VOGT ERIC ; VOGT ERIC E**Inventor(s):** (std): VOGT ERIC ; VOGT ERIC E ; CHURCHILL RUTH**Inventor(s):** ERIC VOGT ; RUTH CHURCHILL**Agent(s):** PIZZEYS ; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD ; EARNSHAW GEOFFREY MARK ; FAIRBAIRN CATLEY LOW AND KONG ; CHOATE HALL AND STEWART ; FOLEY AND LARDNER LLP ; JOHN D ; LANZA JOHN D**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**31) Family number: 40800820 (US2009301918A)**

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Title: WAINSCOT PANEL PACKAGING WITH INDICATOR**Abstract:** Panel packaging includes a wrapper, comprising at least one panel received by the wrapper and at least one indicator for displaying at least one stress. The indicator alters its appearance at least once depending on the at least one stress. The panel packaging provides improved handling of the panel by including at least one indicator for displaying at least one stress.**Classifications:****International (IPC 8-9):** B65D79/02 G01D21/00 G01L5/00

G01N31/22 G01N33/46 (Advanced/Invention);

B65D79/00 G01D21/00 G01L5/00 G01N31/22

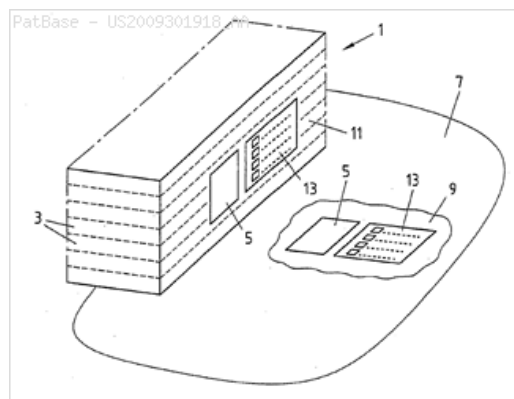
G01N33/46 (Core/Invention)

CPC: B65D79/02 E04F15/02 E04F15/20 G01N31/22 G01N33/46

G01N2033/0081

European: B65D79/02 E04F15/20 G01N31/22 P04F15/02

S01N33/00M2 S01N33/46

US: 116/212 206/459.1**Family:**

Publication number	Publication date	Application number	Application date
AT461880 E	20100415	AT20070728443T	20070424
DE102006020619 A1	20071108	DE200610020619	20060502
DE102006020619 B4	20121115	DE200610020619	20060502
DE502007003222 D1	20100506	DE200750003222T	20070424
DE502007011347 D1	20130418	DE200750011347T	20070424
EP2013107 A1	20090114	EP20070728443	20070424
EP2013107 B1	20100324	EP20070728443	20070424
EP2194004 A2	20100609	EP20100157386	20070424
EP2194004 A3	20101229	EP20100157386	20070424
EP2194004 B1	20130220	EP20100157386	20070424
ES2341808 T3	20100628	ES20070728443T	20070424
ES2401545 T3	20130422	ES20100157386T	20070424
RU2008147368 A	20100610	RU20080147368	20070424
RU2426679 C2	20110820	RU20080147368	20070424
US2009301918 AA	20091210	US20070299078	20070424
WO07125058 A1	20071108	WO2007EP53987	20070424

Priority:

DE200610020619 20060502 EP20070728443 20070424 WO2007EP53987 20070424
EP20100157386 20070424

Probable Assignee: FRITZ EGGER GMBH AND CO**Assignee(s):** (std): FRITS EHGGER GMBKH UND KO OG ; FRITZ EGGER GMBH AND CO ; STEINWENDER MARTIN ; FRITZ EGGER GMBH AND CO OG ; FRITS EHGGER GMBKH U KO OG**Assignee(s):** FRITS EHGGER GMBKH U KOOG**Inventor(s):** (std): STEINWENDER MARTIN ; SHTAJNVENDER MARTIN**Inventor(s):** STEINWENDER MARTIN 2380**Agent(s):** COHAUSZ AND FLORACK PATENT U RECHTSANWAELTE PARTNERSCHAFTSGESELLSCHAFT MBB ; COHAUSZ AND FLORACK ; Cohausz &, Florack ; VALLEJO JUAN PEDRO ; PROSKAUER ROSE LLP**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: GRAPHIC IMAGE FUSION

Abstract: An in-mold and in-line decorating method is disclosed which, using a single sheet layer, allows the placement of the highest possible quality graphics into the surface of products made from a variety of moldable thermoplastic, thermoset, and vulcanizable materials using a variety of molding processes. The methods also provide new or improved capabilities for product identification, safety, and serialized tracking.

Classifications:

International (ipc 8-9): B29C37/00 B29C41/04 B29C43/22 B29C45/14 B29C47/00 B29C49/22 B29C51/12 B32B27/08 B32B29/06 B32B37/00 B32B37/15 B32B38/00 B32B38/04 B32B38/14 B32B38/18 B32B7/02 B41M5/00 B44F1/10 G06K19/06 G08B13/14 G09F3/02 H01R43/00 (Advanced/Invention); G09F3/02 (Advanced/Non-invention); B32B29/00 B32B7/00 B32B7/02 B44F1/00 G09F3/02 (Core/Invention); G09F3/02 (Core/Non-invention)

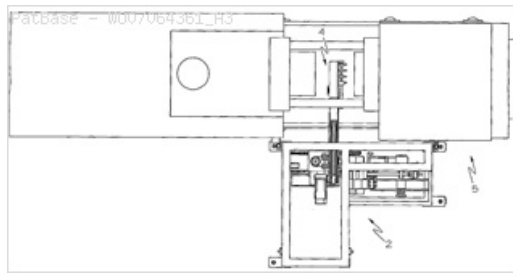
International (ipc 1-7): B29C35/08 B29C39/10 B29C47/06 B32B7/02

CPC: Y10T428/24802 Y10T428/24942 Y10T428/256 Y10T29/49117 Y10T156/12 Y10T156/1322 Y10T156/1339 Y10T156/1707

Y10T156/171 Y10T156/1906 Y10T156/1933 G09F3/04 B29C37/0032 B29C45/14008 B29C45/14811 B29C2037/0042 B29C2045/1404 B29C2045/14049 B29C2045/14737 B29C2045/14745 B29C2045/14852 B29C2045/14918 B29K2105/26 B29K2715/006 B29K2995/002 B29K2995/0087 B31D1/027 B32B27/08 B41M5/5218 G08B13/2445 Y10T428/249953 B41M5/00 B29C45/14 G08B13/14 B29C45/14221 G09F3/0294

European: B29C37/00C2B B29C45/14B B29C45/14D4 B29C45/14Q4 B31D1/02H B32B27/08 G08B13/24B3M3 G09F3/02D3 G09F3/04 L29C37/00C2F L29C45/14B L29C45/14B4 L29C45/14B5 L29C45/14N6 L29C45/14N7 L29C45/14Y L29C45/14Z3C L29K105/26 L29K715/00E L29K995/00E2 L29K995/00F28 L41M5/52C

US: 106/31.5 106/31.65 156/230 156/230S 156/244.11 156/244.110P 156/244.16 156/244.160S 156/245 156/245S 156/277 156/277S 156/510 156/517 156/521 156/541 156/542 156/584 156/584S 156/751 156/751S 156/756 156/756S 235/492 235/492S 264/104 264/104S 264/132 264/132S 264/16 264/160 264/160S 264/171.13 264/171.130S 264/247 264/259 264/259S 264/37.1 264/37.100S 264/496 264/496P 264/509 264/509S 264/911 264/911S 283/72 283/93 29/825 29/825S 340/572.1 340/572.4 340/572.8 340/572.800P 343/873 40/625 40/625P 425/126.1 425/503 428/195.1 428/212 428/29 428/29P 428/304.4 428/328 428/542.2 428/913.3

**Family:**

Publication number	Publication date	Application number	Application date
AT536252 E	20111215	AT20050778217T	20050802
BRPI0518797 A2	20081209	BR2005PI18797	20050802
BRPI0518797 B1	20170328	BR2005PI18797	20050802
CA2588897 AA	20070528	CA20052588897	20050802
CA2588897 C	20121120	CA20052588897	20050802
DE602005031567 D1	20120315	DE200560031567T	20050802
EP1824673 A2	20070829	EP20050778217	20050802
EP1824673 A4	20090826	EP20050778217	20050802
EP1824673 B1	20111207	EP20050778217	20050802
EP1910981 A2	20080416	EP20060847448	20060626
EP1910981 A4	20101027	EP20060847448	20060626
MX2007006502 A1	20070911	MX20070006502	20050802
US2003173717 AA	20030918	US20030389831	20030317
US2006176180 AA	20060810	US20050167574	20050627
US2007079928 AA	20070412	US20060608399	20061208
US2008173405 AA	20080724	US20080056694	20080327
US2008176011 AA	20080724	US20080056682	20080327
US2009320343 AA	20091231	US20040001548	20041201
US6544634 BA	20030408	US20000521127	20000307
US7166249 BB	20070123	US20030389831	20030317
US7369048 BB	20080506	US20050167574	20050627
US7806158 BB	20101005	US20080056694	20080327
US7927688 BB	20110419	US20040001548	20041201
US8062737 BB	20111122	US20080056682	20080327
WO6060043 A2	20060608	WO2005US27387	20050802
WO6060043 A3	20061019	WO2005US27387	20050802
WO07064361 A2	20070607	WO2006US24709	20060626
WO07064361 A3	20071206	WO2006US24709	20060626

Priority:

US19990125316P 19990319	US20000521127 20000307	US20030389831 20030317
US20040001548 20041201	US20050167574 20050627	EP20050778217 20050802
WO2005US27387 20050802	WO2006US24709 20060626	US20060608399 20061208
US20080056694 20080327	US20080056682 20080327	

Probable Assignee: STANDARD REGISTER INC

Assignee(s): (std): PINACLE PRODUCTS GROUP LTD ; STANDARD REGISTER CO ; FUSION GRAPHICS INC ; FREUND ROBERT F ; FREUND ROBERT FRANK ; PINNACLE PRODUCTS GROUP LTD ; ABRAMS FREDRIC LOUIS

Assignee(s): BANK OF AMERICA NA ADMINISTRATIVE AGENT AS ; NATIONAL CENTER FOR INDUSTRIAL COMPETITIVENESS ; SILVER POINT FINANCE LLC ADMINISTRATIVE AGENT AS ; SILVER POINT FINANCE LLC ; SR ACQUISITION CORP ; NATONAL CENTER FOR INDUSTRIAL COMPETITIVENESS ; STANDARD REGISTER COMPANY ; THE STANDARD REGISTER COMPANY ; STANDARD REGISTER INC ; STANDARD REGISTER CO DAYTON ; TAYLOR COMMUNICATIONS INC

Inventor(s): (std): FREUND ROBERT ; FREUND ROBERT F ; FREUND ROBERT FRANK ; ROBERT FRANK FREUND ; FREDRIC LOUIS ABRAMS ; ABRAMS FREDRIC L ; ABRAMS FREDRIC ; ABRAMS FREDRIC LOUIS

Inventor(s): ABRAMS FREDRIC LOUIS DAYTON

Agent(s): GOWLING LAFLEUR HENDERSON LLP; PATENTANWALTSKANZLEI MEYER; HAWKINS RICHARD DUDLEY; CUMMINGS SEAN PATRICK ET AL; DINSMORE AND SHOHL LLP, ONE DAYTON CENTRE; DINSMORE AND SHOHL LLP ONE DAYTON CENTRE; DINSMORE AND SHOHL LLP

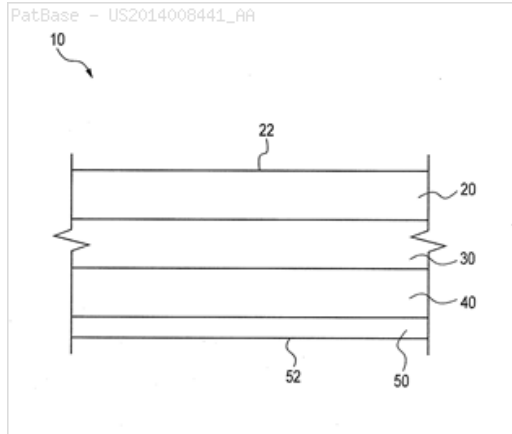
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM 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

33) Family number: 52078214 (US2014008441A)

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Title: AUTHENTICATING LABEL

Abstract: A label having a region or layer of luminescent ink is described. The label includes a generally transparent facestock layer and a layer of an adhesive. The luminescent ink is disposed between the facestock layer and the adhesive layer. Upon exposure to ultraviolet light, the luminescent ink emits visible light. The label can be used to provide an indication as to the authenticity or genuineness of a product to which the label is attached. Also described are various methods of using the label.

Classifications:**International (IPC 8-9):** G09F3/02 G09F3/10 (Advanced/Invention)**CPC:** G09F3/0294 G09F3/10**European:** G09F3/02D3 G09F3/10**US:** 235/468 40/638 427/157**Family:**

Publication number	Publication date	Application number	Application date
AU2012236928 AA	20121004	AU20120236928	20120326
BR112013024175 A2	20161213	BR20131124175	20120326
CN103460266 A	20131218	CN201280014894	20120326
EP2689412 A1	20140129	EP20120716156	20120326
IN07412DN2013 A	20150102	IN2013DN07412	20130822
JP2014508976 T2	20140410	JP20140501297T	20120326
KR20140033022 A	20140317	KR20137028237	20120326
MX2013011053 A1	20131101	MX20130011053	20120326
US2014008441 AA	20140109	US20120985503	20120326
WO12135085 A1	20121004	WO2012US30504	20120326

Priority:

US20110467540P 20110325

US20120985503 20120326

WO2012US30504 20120326

Probable Assignee: AVERY DENNISON CORP**Assignee(s):** (std): AVERY DENNISON CORP ; HUYNH DIEU DAI**Inventor(s):** (std): HUYNH DIEU DAI**Inventor(s):** DIEU DAI HUYNH**Agent(s):** CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; MARTIN BRIAN D ET AL

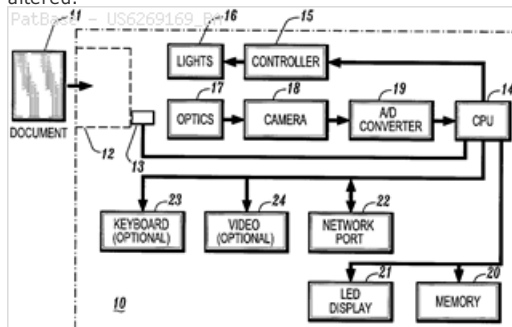
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT 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

34) Family number: 20657111 (US6269169B)

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Title: Secure document reader and method therefor

Abstract: Apparatus and a method are disclosed for reading documents, such as identity documents, including passports, and documents of value, to obtain and verify information recorded thereon, and to read and/or detect security information thereon to determine if such documents are counterfeit or have been altered.

Classifications:**International (IPC 8-9):** G06K9/00 G07C9/00 G07D7/00 G07D7/12 G07D7/20 G07F19/00 G07F7/12 H04N1/04 (Advanced/Invention); G07C9/00 G07D7/00 G07F7/12 (Core/Invention)**International (IPC 1-7):** G06K9/00 G07D7/12 G07F19/00 H04N1/04**CPC:** G07F7/08 G07C9/00071 G07D7/20 G07F7/12**European:** G07C9/00B6D G07D7/20 G07F7/08 G07F7/12**US:** 283/72 356/71 382/100**Family:**

Publication number	Publication date	Application number	Application date
AU199938698 A1	20000207	AU19990038698	19990427
AU199938698 A5	20000207	AU19990038698	19990427
CA2337951 AA	20010117	CA19992337951	19990427
CA2337951 C	20040120	CA19992337951	19990427
DE69944798 D1	20130822	DE19996044798	19990427
EP1099199 A1	20010516	EP19990921501	19990427
EP1099199 A4	20060621	EP19990921501	19990427
EP1099199 B1	20130626	EP19990921501	19990427
EP2317481 A1	20110504	EP20100184922	19990427
US6269169 BA	20010731	US19980118597	19980717
WO0004516 A1	20000127	WO1999US09169	19990427

Priority:

US19980118597 19980717 EP19990921501 19990427 WO1999US09169 19990427

Probable Assignee: L 1 IDENTITY SOLUTIONS OPERATING CO INC

Assignee(s): (std): IMAGING AUTOMATION INC

Assignee(s): KEYSTONE VENTURE IV LP SUITE ; GREEN MOUNTAIN CAPITAL LP RD ; L 1 IDENTITY SOLUTIONS INC ; GREEN MOUNTAIN CAPITAL LP ; KEYSTONE VENTURE IV LP ; IMAGING AUTOMATION INC A OF DELAWARE CORP ; IMAGING AUTOMATION INC BEDFORD ; MERCHANTBANC VENTURE PARTNERS LTD ; VIISAGE TECHNOLOGY INC ; L 1 IDENTITY SOLUTIONS OPERATING CO INC ; MERCHANTBANC VENTURE PARTNERS PARTNERSHIP LTD ; WHITE DARYL A ; BANK OF AMERICA NA ; DIME CAPITAL PARTNERS INC ; FLEET NATIONAL BANK ; FUNK JOSEPH E

Inventor(s): (std): DARYL A WHITE ; JOSEPH E FUNK ; WHITE DARYL A ; FUNK JOSEPH E

Inventor(s): WHITE DARYL A NASHUA ; FUNK JOSEPH E MANCHESTER

Agent(s): SMART AND BIGGAR; FISH AND RICHARDSON PC; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO LLP; BEVAN EMMA

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA 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

35) Family number: 24895013 (US3325299A)

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Title: PHOTOTROPIC GLASS ARTICLE AND METHOD OF MAKING IT

Abstract: A phototropic silicate glass article comprises in at least a portion thereof crystals of at least one metal halide wherein the metal is Cu or Cd and the halogen is Cl, Br or I. The said portion contains by weight a total of 0.3-10 percent of Cu and/or Cd, and sufficient Cl and/or Br and/or I to react stoichiometrically with at least the 0.3 percent minimum total of Cu and/or Cd; in either the metal or the halogen may be in stoichiometric excess. As well as the above constituents, the glass composition may comprise, in per cent by weight, SiO₂, 40-76; Al₂O₃, 4-26; B₂O₃, 4-26; at least one alkali oxide selected from: Li₂O, 2-8; Na₂O, 4-15; K₂O, 6-20; Rb₂O, 8-25; Cs₂O, 10-30; the total weight of the above-specified constituents being at least 85 percent of the total glass composition. Other constituents that may be present are F, e.g. up to 1-5 percent; and reducing agents, generally less than 1 percent, e.g. SuO, FeO, As₂O₃, Sb₂O₃, or sugar. The crystals may be formed by cooling the melt to a glass body, the temperature being held for a sufficient time at the treatment temperature after which the body is cooled to room temperature; or by quenching followed by exposing to the treatment temperature, which is above the strain point, i.e. 450-475 DEG C. and below 950 DEG C., followed by cooling. Alternatively, if the body is held at the strain point for 16-24 hours, satisfactory crystallization occurs. Specification 950,906 is referred to.

Classifications:

International (IPC 8-9): C03C3/08 C03C3/30 C03C4/06

G02B1/02 (Advanced/Invention);

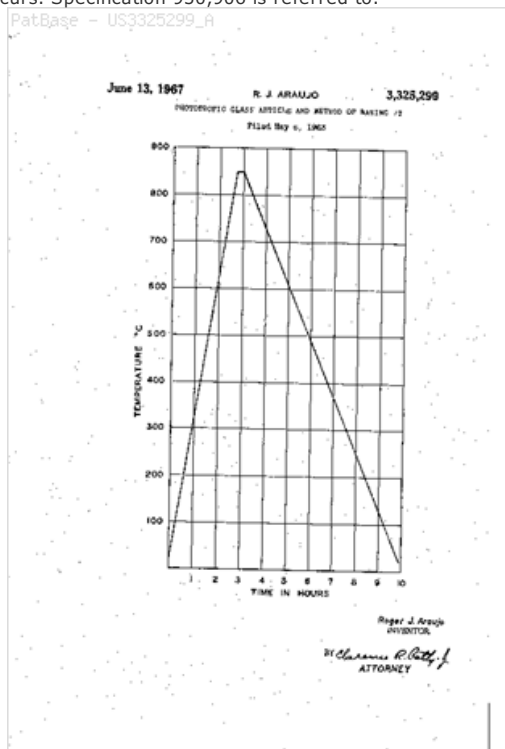
C03C4/00 (Core/Invention)

International (IPC 1-7): C03C17/26 C03C3/26 G01T1/06

CPC: Y10S501/90 C03C4/06S C03C4/06

European: C03C4/06 C03C4/06B

US: 252/586 359/241 501/13 501/66 501/72 501/900 65/30.11 65/33.3



Family:

Publication number	Publication date	Application number	Application date
AT255680 B	19670710	AT19640003967	19640505

AU4372764 A1	19651028	AU19640043727	19640427
BE647458 A	19641104		19640504
BR6458734 A0	19730703	BR19640158734	19640428
CH465153 A	19681115	CH19640005865	19640505
DE1496091 A1	19690306	DE19641496091	19640505
DE1496091 B2	19701008	DE19641496091	19640505
FR1394463 A	19650402	FR19640972572	19640428
GB1013097 A	19651215	GB19640017323	19640427
NL125550 C	00000000		00000000
NL6404961 A	19641109	NL19640004961	19640505
US3325299 A	19670613	US19630278323	19630506

Priority:

US19630278323 19630506 FR19640972572 19640428

Probable Assignee: CORNING INC

Assignee(s): (std): CORNING GLASS WORKS ; CORNING INC

Assignee(s): CORNING GLASSWORKS

Inventor(s): (std): ROGER JEROME ARAUJO ; JEROME ARAUJO ROGER ; ARAUJO ROGER J ; ARAUJO R

36) Family number: 2951700 (US4286442A)

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Title: Flexible coupling

Abstract: An improved Oldham type coupling comprising elastomeric laminated bearings between the conventional bearing surfaces to improve the compression load capacity of the bearing surfaces of the coupling as well as provide other advantages. In one embodiment the bearings are designed so that the coupling is capable of operating as a constant velocity coupling.

Classifications:

International (IPC 8-9): B65D23/00 C03B3/02 C03B5/00 C03B5/03 C03B5/04 C03B5/173 C03B7/00 C03B7/02 C03B7/08 C03B7/088 C03B9/31 C03B9/32 C03C3/087 F16D3/04

F16D3/28 (Advanced/Invention);

C03B3/00 C03B5/00 C03B7/00 C03B9/00 C03C3/076

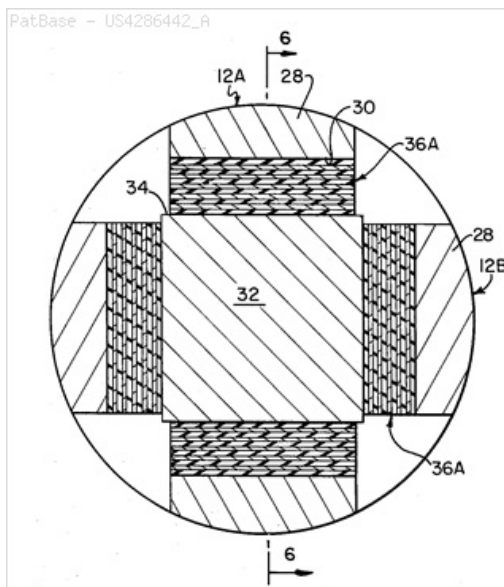
F16D3/02 (Core/Invention)

International (IPC 1-7): B65D23/00 C03B17/00 C03B7/00 C03B7/08 C03B9/00 C03B9/31 C03B9/32 F16D3/04 F16D3/28 F16D3/50 F16D3/56 F16D3/58 F16H

CPC: F16D3/04 C03B3/00 C03B5/205 Y10T428/1317 C03C3/087 C03B5/031 C03B5/04 C03B5/173 C03B7/00 C03B7/02 C03B7/08 C03B7/088 C03B9/31

European: C03B3/02 C03B5/00 C03B5/03B C03B5/04 C03B5/173 C03B7/00 C03B7/02 C03B7/08 C03B7/088 C03B9/31 C03C3/087 F16D3/04

US: 428/34.6 428/35 428/428 464/102 464/83 64/31 65/121 65/126 65/127 65/129 65/145 65/30.14 65/66



Family:

Publication number	Publication date	Application number	Application date
AU198781426 A1	19880804	AU19870081426	19871120
AU578860 B2	19881103	AU19870081426	19871120
BR7907548 A	19801014	BR19790007548	19791121
CA1124535 A1	19820601	CA19790336956	19791004
CA1317459 A1	19930511	CA19880557937	19880202
CH645440 A	19840928	CH19800000175	19800110
DE2942600 A1	19800821	DE19792942600	19791022
DE2942600 C2	19900222	DE19792942600	19791022
DE3802544 A1	19880811	DE19883802544	19880128
DE3802544 C2	19911024	DE19883802544	19880128
ES2009526 AF	19891001	ES19880000294	19880202
FR2448657 A1	19800905	FR19790025703	19791016
FR2448657 B1	19850913	FR19790025703	19791016
FR2610315 A1	19880805	FR19880001074	19880129
FR2610315 B1	19940318	FR19880001074	19880129
GB2041494 A1	19800910	GB19790036589	19791022
GB2041494 B2	19830511	GB19790036589	19791022
GB2201149 A1	19880824	GB19880002021	19880129
GB2201149 B2	19911016	GB19880002021	19880129
GB8802021 A0	19880224	GB19880002021	19880129
IL58638 A0	19800229	IL19790058638	19791105
IL58638 A1	19821231	IL19790058638	19791105
IT1142178 A	19861008	IT19790050598	19791018
IT1211989 A	19891108	IT19870048736	19871221
IT7950598 A0	19791018	IT19790050598	19791018
IT8748736 A0	19871221	IT19870048736	19871221

JP1781335 C3	19930813	JP19880019711	19880201
JP4071850 B4	19921116	JP19880019711	19880201
JP55107122 A2	19800816	JP19800012547	19800206
JP63195129 A2	19880812	JP19880019711	19880201
JP63196825 U1	19881219	JP19880078376U	19880615
MX160134 A	19891206	MX19880010017	19880107
MX174579 B	19940527	MX19880017793	19880107
NL7907694 A	19800811	NL19790007694	19791018
US4286442 A	19810901	US19790009870	19790207
US4740401 A	19880426	US19870009870	19870202
ZA8708834 A	19880727	ZA19870008834	19871125

Priority:

US19790009870 19790207 CA19790336956 19791004 US19870009870 19870202
CA19880557937 19880202 JP19880078376U 19880615

Probable Assignee: OWENS ILLINOIS GLASS CONTAINER

Assignee(s): (std): WRIGHT CORP ; WRIGHT BARRY CORP ; OWENS ILLINOIS GLASS CONTAINER INC ; OWENS ILLINOIS GLASS CONTAINER

Assignee(s): OWENS ILLINOIS GLASS CONTAINER INC TOLEDO OHIO US ; OWENS ILLINOIS INC A CORP OF OHIO ; PETERSON ROBERT R ; MILLS HARRY N ; GRAHAM PAUL W L ; WRIGHT CORP BARRY ; WRIGHT CORP B ; OWENS ILLINOIS INC ; STATE STREET BANK AND TRUST CO ; FIRST NATIONAL BANK OF BOSTON ; OOWENS ILLINOIS GLASS CONTAINER INC ; BANK OF NOVA SCOTIA ; BARKHAU MARVIN L ; BARRY WRIGHT CORP ; BARRY WRIGHT CORP WATERTOWN MASS US ; BARRY WRIGHT TE WATERTOWN MASSACHUSETTS VER ST V AM CORP ; BAYBANK MIDDLESEX ; DIFRANK FRANK J

Inventor(s): (std): BARKHAU MARVIN L ; DIFRANK FRANK J ; DIFRANK FRANK JOSEPH ; GRAHAM PAUL W L ; HARRY N MILLS ; MILLS HARRY N ; PAUL W L GRAHAM ; PETERSON ROBERT R ; MARVIN L BARKHAU ; FRANK J DIFRANK ; ROBAATO AARU PIITAASON ; POORU DABURIYU ERU GURAHAMU ; PETERSON R ; PAUL WL GRAHAM ; HARI ENU MIRUZU ; GRAHAM PAUL WL ; FURANKU JIEI DEIFURANKU ; FRANK JOSEPH DIFRANK ; MAABUIN ERU BAAKUHAU

Inventor(s): HOORU DAURYU ERU GURAHAMU ; R PETERSON ROBERT ; PETERSON ROBERT R HUDSON MASS US ; FURANKU JEI DEIFURANKU ; MAABUIN ERU BAAKUHAU ; ROBERT R PETERSON ; GRAHAM PAUL WHITNER LINK

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; JOHNSON AND HICKS; GOWLING LAFLEUR HENDERSON LLP; REINHOLD COHN AND PARTNERS

37) Family number: 32200677 (US2005191451A)

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Title: CONTAINER HAVING FLUORESCENT INDICIA

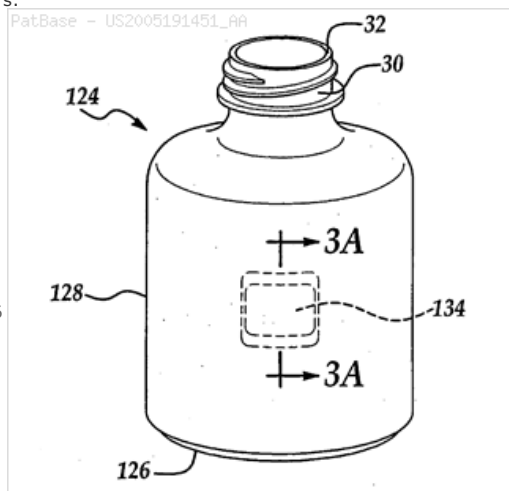
Abstract: A method of making an identifiable article such as a container or container preform. A molded plastic container or container preform is provided that includes a wall having at least one layer of matrix resin and at least one layer of barrier resin that is blended with an additive. The wall has at least one localized portion of predetermined geometry in which the barrier layer is thicker than surrounding portions of the wall, and within which the additive is discernable under visible or UV light so as to provide a means to prevent use of counterfeit containers.

Classifications:

International (IPC 8-9): A61J1/00 B29C49/00 B29C49/06 B29C49/22 B29D2/00 B29D23/00 B32B1/02 B32B1/08 B32B27/18 B32B27/20 B32B7/04 B65D1/00 B65D1/02 B65D23/00 B65D65/38 B65D65/40 G09F3/00 G09F7/16 (Advanced/Invention); B29C45/00 B29C45/37 B29C49/06 (Advanced/Non-invention); A61J1/00 B29C49/00 B29C49/06 B29C49/22 B29D23/00 B32B1/00 B32B27/18 B32B27/20 B32B7/04 B65D1/00 B65D1/02 B65D23/00 B65D65/38 B65D65/40 G09F3/00 G09F7/00 (Core/Invention); B29C45/00 B29C45/37 B29C49/06 (Core/Non-invention)

International (IPC 1-7): A61J1/00 B29C49/22 B65D1/02 B65D1/02 CPC: Y10T428/1352 Y10T428/1393 B65D1/0215 B29B2911/14053 B29B2911/14066 B29B2911/1408 B29B2911/14093 B29B2911/1412 B29B2911/14126 B29B2911/14146 B29B2911/14153 B29B2911/14326 B29B2911/14333 B29B2911/1444 B29B2911/14466 B29B2911/1448 B29C49/0073 B29C49/06 B29C49/221 B29C2795/002 B29K2067/00 B29K2105/16 B29K2995/0018 B29K2995/003 B29K2995/0067 B29L2031/7158 B65D2203/00 B65D2203/12 G09F3/00 G09F7/16 B29B2911/14331 B29B2911/14337

European: B29C49/22B B65D1/02B1 G09F3/00 G09F7/16 L29B911/14B4B L29B911/14B4D L29B911/14B4F L29B911/14B4H L29B911/14B4L2B L29B911/14B4L2B2 L29B911/14B4N2B L29B911/14B4N2B2 L29B911/14D10D4D2 L29B911/14D10D4F L29B911/14D10D8 L29B911/14D2 L29B911/14D4 L29C49/00G L29C49/06 L29C795/00B L29K105/16 L29K67/00 L29K995/00E L29K995/00E8 L29K995/00F16B L29L31/7158 L65D203/00 L65D203/12
US: 264/241 264/259 428/29 428/35.7 428/35.700P 428/36.91 428/542.8



Family:

Publication number	Publication date	Application number	Application date
BRPI0508088 A	20070717	BR2005PI08088	20050225
CA2556345 AA	20060815	CA20052556345	20050225
CN1922077 A	20070228	CN200580005895	20050225
CN1922077 B	20100901	CN200580005895	20050225
EP1718539 A1	20061108	EP20050723665	20050225
IN03543CN2006 A	20070615	IN2006CN03543	20060926
IN252288 B	20120511	IN2006CN03543	20060926
JP2007525388 T2	20070906	JP20070500970T	20050225
MXPA06009471 A1	20070330	MX2006PA09471	20050225
NO20064380 A	20061124	NO20060004380	20060927
US2005191451 AA	20050901	US20040789875	20040227
US7357967 BB	20080415	US20040789875	20040227
WO05085074 A1	20050915	WO2005US05892	20050225

Priority:

US20040789875 20040227 WO2005US05892 20050225

Probable Assignee: BPREX HEALTHCARE PACKAGING INC

Assignee(s): (std): OSIKA LOUIS S ; OWENS IL HEALTHCARE PACKAGING ; OWENS ILLINOIS HEALTHCARE PACK ; SMITH ROGER P ; OWENS ILLINOIS PRESCRIPTION ; REXAM PRESCRIPTION PRODUCTS INC

Assignee(s): REXAM HEALTHCARE PACKAGING INC ; US BANK NATIONAL ASSOCIATION ; OWENS ILLINOIS PRESCRIPTION PRODUCTS INC ; OWENS ILLINOIS HEALTHCARE PACKAGING INC ; OWENS ILLINOIS HEALTHCARE PACKAGING INC ; OWENS BROCKWAY PLASTIC PRODUCTS INC ; BANK OF AMERICA NA ; BPREX HEALTHCARE PACKAGING INC ; CREDIT SUISSE CAYMAN ISLANDS BRANCH AG

Inventor(s): (std): OSIKA LOUIS S ; OSIKA LOUIS S SMITH ROGER P ; SMITH ROGER P

Inventor(s): LOUIS S OSIKA ; OSIKA LOUIS ; ROGER P SMITH ; SMITH ROGER

Agent(s): GOWLING LAFLEUR HENDERSON LLP; OWENS ILLINOIS INC; REISING ETHINGTON BARNES KISSELLE 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 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

38) Family number: 32217202 (US2005194280A)

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Title: CONTAINER HAVING IRRADIATED INDICIA

Abstract: A method of making an identifiable container by providing a molded plastic container that includes at least one layer of material blended with an additive. A mask is provided having a radiation aperture in the form of identifiable indicia, and radiation is directed through the aperture of the mask and onto the container such that the radiation is absorbed by the additive, thereby causing the additive to visibly respond in the form of the identifiable indicia.

Classifications:

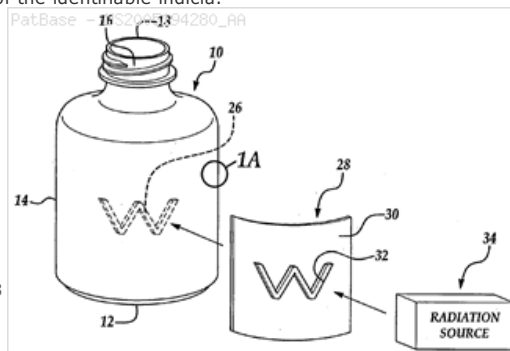
International (IPC 8-9): B29C49/24 B41M3/14 B65D1/00 B65D1/02 B65D23/00 G06K7/10 G09F23/00 G09F3/02 G09F3/04 (Advanced/Invention); B29C49/04 B29C49/06 B29C49/22 (Advanced/Non-invention); B29C49/00 B29C49/24 B41M3/00 B41M3/14 B65D1/00 B65D1/02 B65D23/00 G06K7/10 G09F23/00 G09F3/00 G09F3/02 G09F3/04 (Core/Invention); B29C49/04 B29C49/06 B29C49/22 (Core/Non-invention)

International (IPC 1-7): B29C B29C49/24 B41M3/14 B65D1/02 B65D85/00 G09F3/02

CPC: B41M3/144 B29B2911/1402 B29B2911/14026 B29B2911/14033 B29B2911/1404 B29B2911/14053 B29B2911/14066 B29B2911/1408 B29B2911/14093 B29B2911/14106 B29B2911/1412 B29B2911/14133 B29B2911/14146 B29C49/04 B29C49/06 B29C49/22 B29C49/24 B29C2049/2497 B65D2203/12 G09F3/04 G09F23/00

European: B41M3/14F G09F23/00 G09F3/04 L29B911/14B2B L29B911/14B2D L29B911/14B2F L29B911/14B2H L29B911/14B4B L29B911/14B4D L29B911/14B4F L29B911/14B4H L29B911/14B4L L29B911/14B4L2B L29B911/14B4N L29B911/14B4N2B L29C49/04 L29C49/06 L29C49/22 L29C49/24 L29C49/24K6 L65D203/12

US: 206/459.1 206/459.100 206/459.100S 206/459.5 206/459.500 206/459.500P 250/492.1



Family:

Publication number	Publication date	Application number	Application date
AT534503 E	20111215	AT20050732606T	20050302
BRPI0508278 A	20070807	BR2005PI08278	20050302
CA2557266 AA	20060823	CA20052557266	20050302
CN1925974 A	20070307	CN200580006597	20050302
DE602005031350 D1	20120209	DE200560031350T	20050302
EP1720694 A2	20061115	EP20050732606	20050302
EP1720694 B1	20111123	EP20050732606	20050302
IN03652CN2006 A	20070615	IN2006CN03652	20061003
IN253240 B	20120706	IN2006CN03652	20061003
JP2007535446 T2	20071206	JP20070501887T	20050302
MXPA06009851 A1	20070416	MX2006PA09851	20050302
NO20064476 A	20061003	NO20060004476	20061003
US2005194280 AA	20050908	US20040793523	20040303
US7253422 BB	20070807	US20040793523	20040303
WO05084907 A2	20050915	WO2005US06516	20050302
WO05084907 A3	20051208	WO2005US06516	20050302

Priority:

US20040793523 20040303 EP20050732606 20050302 WO2005US06516 20050302

Probable Assignee: BPREX HEALTHCARE PACKAGING INC

Assignee(s): (std): SMITH ROGER P ; REXAM HEALTHCARE PACKAGING INC ; OWENS IL HEALTHCARE PACKAGING ; OWENS ILLINOIS HEALTHCARE PACK

Assignee(s): OWENS ILLINOIS HEALTHCARE PACKAGING INC ; US BANK NATIONAL ASSOCIATION ; BANK OF AMERICA NA ; BPREX HEALTHCARE PACKAGING INC ; CREDIT SUISSE CAYMAN ISLANDS BRANCH AG ; OWENS BROCKWAY PLASTIC PRODUCTS INC

Inventor(s): (std): SMITH ROGER P ; SMITH ROGER

Inventor(s): ROGER P SMITH ; SMITH ROGER P PERRYSBURG

Agent(s): GOWLING LAFLEUR HENDERSON LLP; BLUMBACH ZINNGREBE; MERGEL VOLKER; OWENS ILLINOIS INC

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

39) Family number: 34288565 (US2007035719A)

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Title: PLASTIC PACKAGING HAVING A MARKER MATERIAL

Abstract: A package including a container and closure, and a method of authenticating same. In the package or a portion thereof, a marker material is dispersed into a base material and can be detected in the aftermarket by absorption spectroscopy to establish the authenticity of a product contained in the package.

Classifications:

International (IPC 8-9): B65D1/00 B65D1/02 B65D65/02 G01N21/35

G01N21/3563 G06K9/74 (Advanced/Invention);

B65D1/00 B65D1/02 B65D65/02 G01N21/31

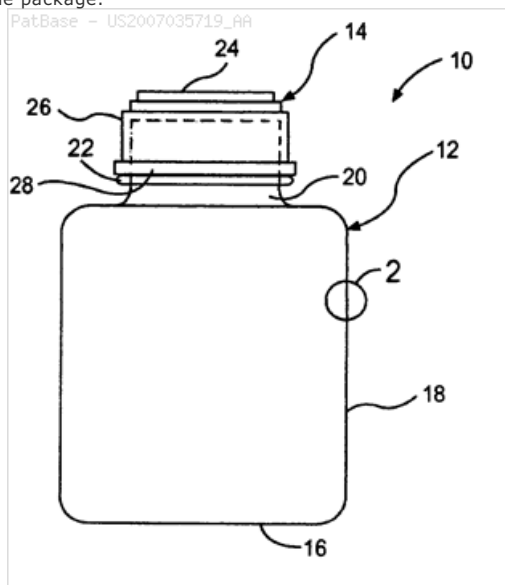
G06K9/74 (Core/Invention)

International (IPC 1-7): G01N21/35

CPC: G01N21/3563 G01N21/8422 Y10S428/913

European: G01N21/35D S01N21/84F

US: 250/338.1 250/339.01 356/71 356/71P 428/913

**Family:**

Publication number	Publication date	Application number	Application date
BRPI0614264 A2	20110322	BR2006PI14264	20060802
CA2630898 AA	20080204	CA20062630898	20060802
CN101283266 A	20081008	CN200680037209	20060802
CN101283266 B	20120111	CN200680037209	20060802
EP1920236 A1	20080514	EP20060789212	20060802
IN00683CN2008 A	20081128	IN2008CN00683	20080208
JP2009504519 T2	20090205	JP20080526073T	20060802
NO20081094 A	20080508	NO20080001094	20080229
US2007035719 AA	20070215	US20050199731	20050809
US7436499 BB	20081014	US20050199731	20050809
WO07021551 A1	20070222	WO2006US30118	20060802
WO07021551 C1	20070426	WO2006US30118	20060802

Priority:

US20050199731 20050809 WO2006US30118 20060802

Probable Assignee: REXAM HEALTHCARE PACKAGING INC

Assignee(s): (std): HILTNER JAMES E ; HSIEH MICHAEL ; OWENS IL HEALTHCARE PACKAGING ; OWENS ILLINOIS HEALTHCARE PACK ; REXAM HEALTHCARE PACKAGING INC

Assignee(s): REXAM HEALTHCARE PACKAGING INC1899 N. WILKINSON WAYPERRYSBURGOH43551US ; OWENS ILLINOIS HEALTHCARE PACKAGING INC

Inventor(s): (std): HILTNER JAMES E ; MICHAEL HSIEH ; HSIEH MICHAEL ; HILTNER JAMES

Inventor(s): HILTNER JAMES EUS ; HSIEH MICHAELUS ; JAMES E HILTNER

Agent(s): GOWLING LAFLEUR HENDERSON LLP; MERGEL VOLKER; OWENS ILLINOIS INC; REISING ETHINGTON BARNES KISSELLE 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 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 ZA ZM ZW

40) Family number: 41950671 (US2008149584A)

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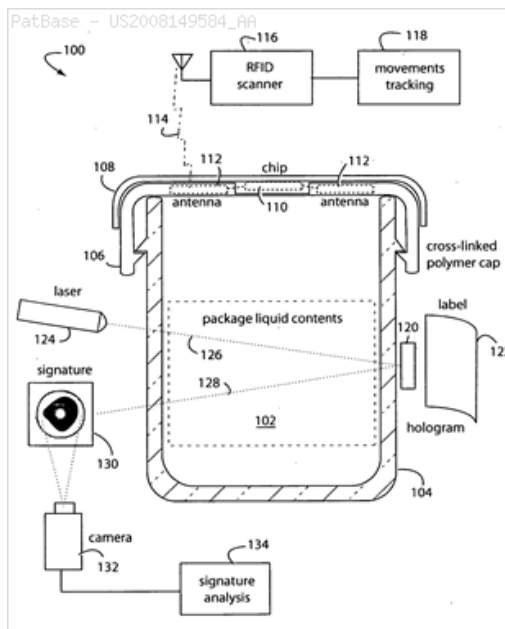
Title: SECURE PRODUCT PACKAGING

Abstract: A product packaging comprises a cap on a transparent bottle to seal in a protected product. The cap includes an RFID chip and antenna that can report a serial number and product identification code to a nearby scanner. Reports from several such scanners in the distribution chain from manufacturer to retailers are logged and used to validate legitimate products by their movements. The caps are designed such that when opened the RFID antenna will break away from its associated RFID chip. The cap is molded of cross-linked polymers with a memory that makes it impossible to reseal it properly to the bottle once removed. A hologram target is placed backwards under a label on the side of the bottle so a laser beam can be directed through the backside of the bottle, through the contents, and to the hologram. The reflected laser light will have a signature that is very sensitive to the exact chemistry of the contents. Adulterations and fake products substituted for the genuine articles inside the bottle are detectable using non-invasive hologram reflected laser light and analysis.

Classifications:

International (IPC 8-9): B65D43/14 B65D55/02

G08B13/14 (Advanced/Invention);
B65D43/14 B65D55/02 G08B13/14 (Core/Invention)
CPC: Y10T428/1331 B65D79/02 B65B7/285 B65D55/026
B65D2101/00 B65D2101/0023 B65D2203/10 G06Q10/08
G09F3/0323 G09F3/0335
European: B65B7/28F1 B65D55/02G B65D79/02 G06Q10/08
G09F3/03A3 G09F3/03A4B L65D101/00 L65D101/00A3 L65D203/10
US: 215/201 215/202 215/263 215/263S 235/223B 235/227.27
235/457 235/568 340/572.1 340/572.7 340/572.8 340/572.9
340/572.900S 356/71 356/73 428/35.1



Family:

Publication number	Publication date	Application number	Application date
US2008149584 AA	20080626	US20060643476	20061221
US7705734 BB	20100427	US20060643476	20061221

Priority:

US20060643476 20061221

Probable Assignee: MARTINELLI LAWRENCE G

Assignee(s): (std): MARTINELLI LAWRENCE G

Inventor(s): (std): MARTINELLI LAWRENCE G

Agent(s): LAW OFFICES OF THOMAS E SCHATZEL A PROFESSIONAL CORP; LAW OFFICE OF THOMAS E SCHATZEL A PROF CORP

41) Family number: 43746645 (US2009231098A)

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Title: RFID INSERT WITH DISABLE FEATURE AND CONTAINER THAT INCLUDES SUCH AN INSERT

Abstract: An RFID insert includes a housing of molded plastic construction and an RFID tag captured within the housing. A portion of the housing is permanently frangibly removable from the remainder of the housing to remove the RFID tag from within the housing and thereby disable RFID operation of the insert. The housing preferably includes a center portion connected to a ring-shaped periphery by a plurality of angularly spaced frangible bridges. The center portion of the housing may include a slot or pocket for engagement by a tool to twist the center portion with respect to the periphery and thereby facilitate rupture of the bridges, and/or may include indicia to identify presence of the RFID tag in the insert.

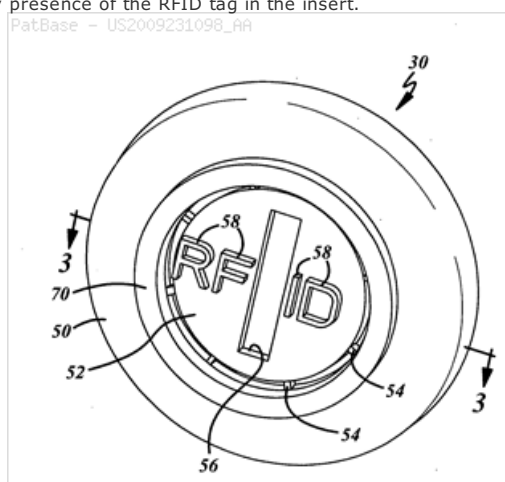
Classifications:

International (IPC 8-9): B65D23/14 H04Q5/22 (Advanced/Invention);
B65D23/00 H04Q5/00 (Core/Invention)

CPC: B65D23/14 B65D2203/00 B65D2203/10

European: B65D23/14 L65D203/00 L65D203/10

US: 250/461.1 340/10.1 340/10.100P



Family:

Publication number	Publication date	Application number	Application date
US2009231098 AA	20090917	US20080075642	20080313
US2010321160 A9	20101223	US20080075642	20080313
US8212226 BB	20120703	US20080075642	20080313
WO09114686 A1	20090917	WO2009US36953	20090312

Priority:

US20080075642 20080313

Probable Assignee: BPREX HEALTHCARE PACKAGING INC

Assignee(s): (std): CHISHOLM BRIAN JOHN ; REXAM HEALTHCARE PACKAGING INC

Assignee(s): US BANK NATIONAL ASSOCIATION ; CREDIT SUISSE CAYMAN ISLANDS BRANCH AG ; BANK OF AMERICA NA ; BPREF HEALTHCARE PACKAGING INC

Inventor(s): (std): CHISHOLM BRIAN JOHN

Agent(s): REISING ETHINGTON PC; COLLINS ROBERT C

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 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

42) Family number: 44263451 (US2011140004A)

© PatBase

Title: GLASS ARTICLE WITH IDENTIFICATION MEANS AND METHOD FOR IDENTIFYING A GLASS ARTICLE

Abstract: A glass article comprising identification means and a method for detecting the presence of the said identification means are disclosed. The glass article comprises at least one glass sheet which is covered by a layer comprising dispersed and invisible identification means. The identification means according to the invention allows identification of the presence of an intrinsic characteristic of said glass article which is invisible to the naked eye or difficult to detect.

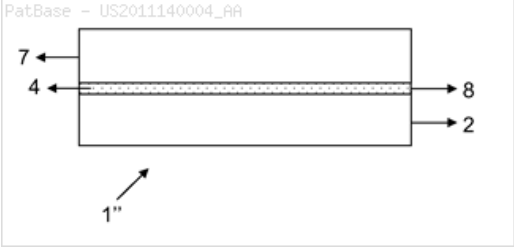
Classifications:

International (IPC 8-9): B01J21/08 B44F1/10 C03C17/00 C03C17/28 C03C17/34 C03C17/38 G01J1/58 (Advanced/Invention); C03C17/00 C03C17/34 (Core/Invention)

CPC: C03C17/007 C03C17/34 C03C2217/48 G01N21/958

European: C03C17/00D2 C03C17/34 M03C217/480 S01N21/958

US: 250/459.1 250/459.100P 428/29 428/29S 502/232 502/232S



Family:

Publication number	Publication date	Application number	Application date
BRPI0822962 A2	20180529	BR2008PI22962	20080722
CN102083761 A	20110601	CN200880130208	20080722
EA024493 B1	20160930	EA20110000250	20080722
EA201100250 A1	20110830	EA20110000250	20080722
EP2303790 A1	20110406	EP20080786322	20080722
JP2011528650 T2	20111124	JP20110519045T	20080722
JP2013241335 A2	20131205	JP20130160881	20130802
US2011140004 AA	20110616	US20080002804	20080722
WO10009757 A1	20100128	WO2008EP59586	20080722

Priority:

JP20110519045 20080722 JP20110519045T 20080722 WO2008EP59586 20080722
JP20130160881 20130802

Probable Assignee: AGC GLASS EUROPE

Assignee(s): (std): AGC FLAT GLASS EUROPE SA ; AGC GLASS EUROPE ; CUMPELIK PAVEL ; DECROUPET DANIEL ; SINAPI FABRICE

Inventor(s): (std): SINAPI FABRICE ; DECROUPET DANIEL ; CUMPELIK PAVEL ; PAVEL CUMPELIK ; FABRICE SINAPI ; DANIEL DECROUPET

Agent(s): VERBRUGGE VIVIEN FRANCOIS EMERIC; DECAMPS ALAIN

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

43) Family number: 52996452 (US2013134056A)

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Title: LIGHT ACTIVATED TRY-ME PACKAGING

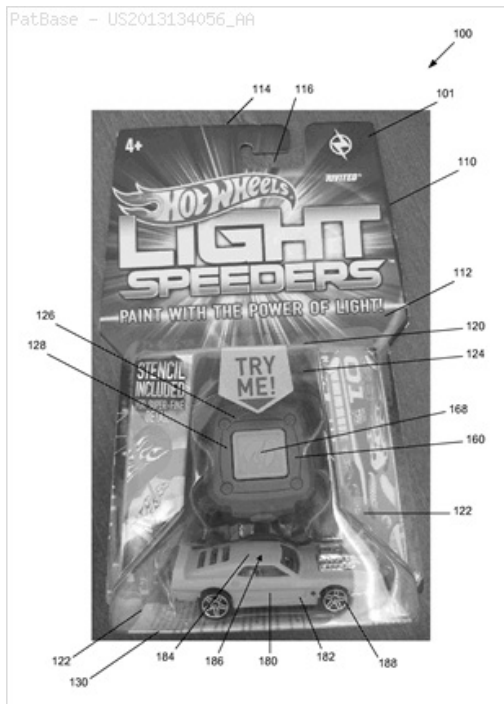
Abstract: A toy package assembly is disclosed. The package assembly configures a product and a light source within a blister pack, where the product is illuminated by a light source. The blister pack contains at least one tapered surface that configures the product within the blister pack to maximize the amount of light from the light source that illuminates the product. The product contains a color changing portion that reacts to the light from the light source by changing color. In one embodiment, the product is a toy vehicle, and in another embodiment, the product is a doll.

Classifications:

International (IPC 8-9): A63H33/00 B65D75/32 B65D75/36 B65D75/52 B65D75/54 B65D79/00 B65D85/00 F21V33/00 F21Y101/02 G09F19/20 (Advanced/Invention); F21Y101/02 (Advanced/Non-invention)

CPC: B65D75/323 B65D75/367 G09F19/205 B65D75/368 B65D75/52 B65D2201/00 B65D2203/12

US: 206/223

**Family:**

Publication number	Publication date	Application number	Application date
BR102012030328 A2	20140318	BR20121030328	20121128
CA2797156 AA	20130529	CA20122797156	20121128
CA2797156 C	20141028	CA20122797156	20121128
CN103129835 A	20130605	CN201210500912	20121129
CN103129835 B	20150318	CN201210500912	20121129
DE102012111242 A1	20130529	DE201210111242	20121121
FR2983180 A1	20130531	FR20120061395	20121129
GB201220991 A0	20130109	GB20120020991	20121122
GB2497187 A1	20130605	GB20120020991	20121122
GB2497187 B2	20140305	GB20120020991	20121122
MX2012013808 A1	20140221	MX20120013808	20121128
US2013134056 AA	20130530	US20120682215	20121120

Priority:

US20110564385P 20111129 US20120682215 20121120 CA20122797156 20121128

Probable Assignee: MATTEL INC

Assignee(s): (std): MATTEL INC

Assignee(s): MATTEL INC333 CONTINENTAL BOULEVARDEL SEGUNDOCA90245-5012US ; WEINSTEIN MICHAEL ; BUYNAC RYAN

Inventor(s): (std): WEINSTEIN MICHAEL ; RYAN BUYNAC ; MICHAEL WEINSTEIN ; BUYNAC RYAN

Inventor(s): WEINSTEIN MICHAELUS ; BUYNAC RYANUS

Agent(s): NORTON ROSE FULLBRIGHT CANADA SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; CABINET PLASSERAUD

44) Family number: 20678857 (US2003006161A)

© PatBase

Title: Package for a sunscreen

Abstract: A bottle (1) includes a base (2) and a continuous sidewall (3) extending upwardly from the periphery of the base (2) to a neck (4). The neck defines an opening (5) which is selectively blocked by a lid (6). Base (2) and sidewall (3) define a cavity for containing a sunscreen or, the like which a person selectively applies to their skin to reduce the harmful effects of the sun's rays. The package also contains display means for providing a person with the indication of the intensity of UV radiation, or another ambient condition, incident upon the package.

Classifications:

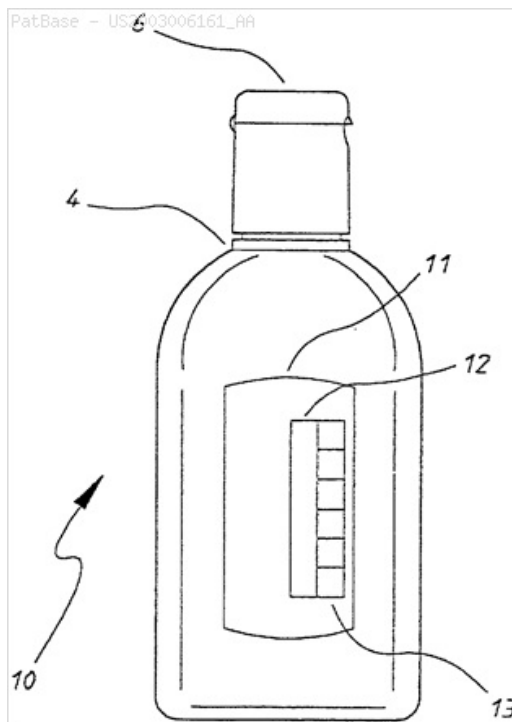
International (IPC 8-9): B65D1/02 B65D23/14 B65D23/16 B65D35/24 B65D37/00 G01J1/50 G01K11/12 (Advanced/Invention); B65D35/24 B65D37/00 G01J1/00 G01K11/00 (Core/Invention)

International (IPC 1-7): B65D35/24 B65D37/00 B65D41/00 B65D85/00 G01J1/50 G01K11/12

CPC: B65D1/0207 B65D23/14 B65D23/16 G01J1/50

European: B65D1/02B B65D23/14 B65D23/16 G01J1/50

US: 206/459.1 206/459.100P 206/459.5 206/459.500S 215/230 250/372 250/372S 40/310 40/310S



Family:

Publication number	Publication date	Application number	Application date
AU199883259 A1	19990216	AU19980083259	19980721
AU734855 B2	20010621	AU19980083259	19980721
AU813297 A0	19970814	AU1997PO08132	19970721
EP1047609 A1	20001102	EP19980933373	19980721
US2003006161 AA	20030109	US20020139593	20020503
US6405867 BA	20020618	US20000463234	20000320
US6698590 BB	20040302	US20020139593	20020503
WO9905038 A2	19990204	WO1998AU00571	19980721

Priority:

AU1997PO08132 19970721 AU19980083259 19980721 WO1998AU00571 19980721
 US20000463234 20000320 US20020139593 20020503

Probable Assignee: CROWN LABORATORIES INC

Assignee(s): (std): CROWN LAB INC ; MOORE PETER JOHN ; PREMIUM PHARMACEUTICALS PTY LI ; PREMIUM PHARMACEUTICALS PTY LIMITED ; PREMIUM PHARMACEUTICALS PTY LT

Assignee(s): PREMIUM PHARMACEUTICALS PTY LTD ; CROWN LABORATORIES INC ; HAYFIN SERVICES LLP ; BIOLINE DEVELOPMENTS LTD ; CROWN LABORATORIES INC AB

Inventor(s): (std): PETER JOHN MOORE ; MOORE PETER JOHN

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL 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 US UZ VN YU ZW

45) Family number: 20696990 (US6616190B)

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Title: SECURITY ELEMENTS

Abstract: The invention is concerned with security elements for security articles such as banknotes, cheques and the like. The invention further comprises a security element for use with security materials, said element comprising a first layer, to one side of which is applied at least one optically variable device, and on the other side of said first layer are applied indicia, and a thermochromic coating applied over the indicia, wherein the thermochromic coating comprises a thermochromic material which is coloured when the temperature of said thermochromic coating is below an activation temperature, which colour substantially obscures the indicia and enhances the visibility of the optically variable device, and wherein the thermochromic material becomes colourless at or above said activation temperature, to thereby reveal the indicia, and to render the optically variable device substantially invisible in reflected light.

Classifications:

International (IPC 8-9): B42D15/00 B42D15/10

D21H21/48 (Advanced/Invention);

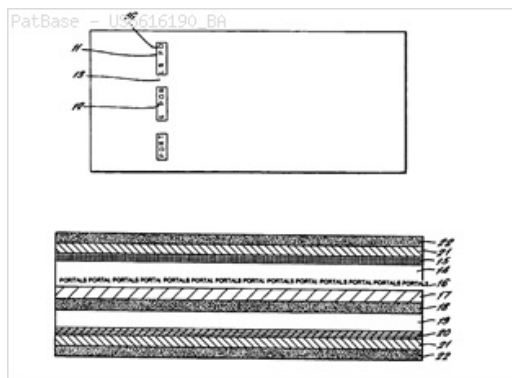
B42D15/00 B42D15/10 D21H21/40 (Core/Invention)

International (IPC 1-7): B42D15/00 B42D15/10 D21H21/42

CPC: B42D25/29 D21H21/48 G03H1/0244 G03H1/0256 G03H2250/10 Y10T428/24802

European: B42D15/00C D21H21/48 S03H1/02H1 S03H1/02L5 S03H250/10

US: 283/109 283/113 283/72 283/91 428/195 428/195.1 503/200



Family:

Publication number	Publication date	Application number	Application date
AT244155 E	20030715	AT20000909493T	20000310
AU200031774 A1	20001004	AU20000031774	20000310
AU200031774 A5	20001004	AU20000031774D	20000310
AU755984 B2	20030102	AU20000031774	20000310
BRPI0008946 A	20011226	BR2000PI08946	20000310
DE60003641 D1	20030807	DE20006003641	20000310
DE60003641 D1	20030807	DE20006003641T	20000310
DE60003641 T2	20040415	DE20006003641T	20000310
EP1161352 A1	20011212	EP20000909493	20000310
EP1161352 B1	20030702	EP20000909493	20000310
ES2202068 T3	20040401	ES20000909493T	20000310
GB2347646 A1	20000913	GB19990005787	19990312
GB2347646 B2	20010131	GB19990005787	19990312
GB9905787 A0	19990505	GB19990005787	19990312
PL197927 B1	20080530	PL20000349951	20000310
PL349951 A1	20021021	PL20000349951	20000310
SI1161352 T1	20031231	SI20000030205T	20000310
US6616190 BA	20030909	US20010914792	20010905
WO0054985 A1	20000921	WO2000GB00907	20000310

Priority:

GB19990005787 19990312 EP20000909493 20000310 WO2000GB00907 20000310

Probable Assignee: DE LA RUE INT LTD

Assignee(s): (std): RUE DE INT LTD ; JOTCHAM RICHARD BRYAN

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

Inventor(s): (std): JOTCHAM BRYAN ; JOTCHAM RICHARD BRYAN ; RICHARD BRYAN JOTCHAM

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM 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 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

46) Family number: 27909283 (US2005024955A)

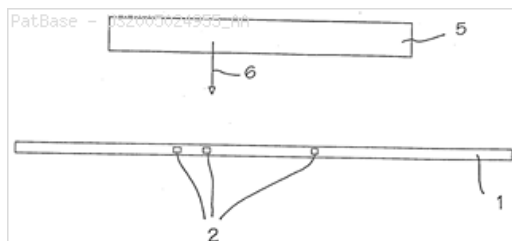
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Title: NON-FALSIFIABLE INFORMATION CARRIER MATERIAL, INFORMATION CARRIER PRODUCED THEREFROM AND TEST DEVICE THEREFOR

Abstract: In order to protect against falsification, an information carrier is doped with a photochromic substance. The location of the points (2), wherein the photochromic substance is embedded, is stored in readable form. For authentication purposes, the location of said points (2) is read out optically and compared with the stored information (Fig. 1), whereby a suitable initialization device is used.

Classifications:

International (IPC 8-9): B41M3/14 B42D15/00 B44F1/12 G07D7/12 (Advanced/Invention); G03C1/73 (Advanced/Non-invention); B41M3/14 B42D15/00 B44F1/00 G07D7/00 (Core/Invention); G03C1/73 (Core/Non-invention)
International (IPC 1-7): B41M3/14 B44F1/12 G07D7/12 G11C7/00
CPC: B41M3/14 G03C1/733 G07D7/1205 B42D25/29
European: B41M3/14 B42D15/00C G07D7/12C S03C1/73P
US: 365/200
Locarno class: 36/52



Family:

Publication number	Publication date	Application number	Application date
AT472414 E	20100715	AT20010960397T	20010627
AU2001281901 AA	20030303	AU20010281901	20010627
DE19961841 A1	20010628	DE19991061841	19991221
DE50115540 D1	20100812	DE20015015540	20010627
EP1404526 A1	20040407	EP20010960397	20010627

EP1404526 B1	20100630	EP20010960397	20010627
ES2347764 T3	20101104	ES20010960397T	20010627
US2005024955 AA	20050203	US20040481928	20040808
WO03002351 A1	20030109	WO2001EP07315	20010627

Priority:

DE19991061841 19991221 WO2001EP07315 20010627

Probable Assignee: MIB MUNICH INNOVATIVE BIOMATERIALS GMBH

Assignee(s): (std): ACTILOR GMBH ; BROSOV JOERGEN ; MIB MUNICH INNOVATIVE BIOMATER

Assignee(s): MIB MUNICH INNOVATIVE BIOMATERIALS GMBH

Inventor(s): (std): BROSOV JOERGEN

Agent(s): BREMI TOBIAS HANS; FRIEDRICH KUEFFNER

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

47) Family number: 28857145 (US2006139928A)

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Title: CONTAINER WITH LIGHT OR SOUND GENERATOR

Abstract: A container (10), for example a drinks bottle, comprises means of producing an output such as a light signal (13) when the container is opened. Opening the container (10) causes switching of a detector circuit (20) included in the container (10), which in turn causes production of the output signal. Removing a cap (11) of the container (10) may directly close or open a switch (21, 22) within a detector circuit (20). Alternatively the switch (21, 22) may be activated by a change in pressure within the container, or by temperature. The output signal may cause illumination of the contents of the container (10) by an LED (13), or of a label (125) on the container (10), which may be constructed by an electroluminescent device (127) comprising a thin sheet of electroluminescent material.

Classifications:

International (IPC 8-9): B65D23/00 B65D25/20 B65D51/24 B65D55/02 B65D79/02 B65D81/24 F21V23/04 F21V33/00 H01L51/50 H05B33/14 (Advanced/Invention); B65D81/24 (Advanced/Non-invention); B65D23/00 B65D25/20 B65D51/00 B65D51/24 B65D55/00 B65D55/02 B65D79/00 B65D81/24 F21V23/04 F21V33/00 H01L51/50 H05B33/14 (Core/Invention); B65D (Subclass/Invention)

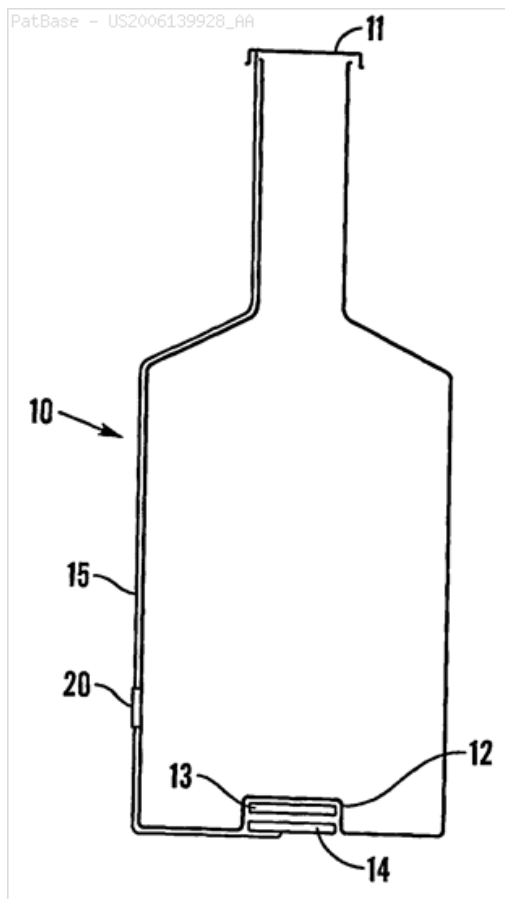
International (IPC 1-7): B65D51/24 B65D55/02 B65D79/02

CPC: B65D2203/02 B65D51/248 B65D55/028 B65D79/02

F21V33/0028 A47G2019/2238 F21Y2115/10

European: B65D51/24K B65D55/02J B65D79/02 F21V33/00A4B R21Y101/02

US: 362/276 362/276P



Family:

Publication number	Publication date	Application number	Application date
CA2568627 AA	20061128	CA20042568627	20040614
CN100575206 C	20091230	CN200480022665	20040614
CN1832887 A	20060913	CN200480022665	20040614
DE602004049640 D1	20160825	DE200460049640T	20040614
DK1636111 T3	20180806	DK20040736757T	20040614
DK2662304 T3	20161003	DK20040179973T	20040614
EP1636111 A1	20060322	EP20040736757	20040614
EP1636111 B1	20180509	EP20040736757	20040614
EP2662304 A1	20131113	EP20130179973	20040614
EP2662304 B1	20160720	EP20130179973	20040614
ES2598132 T3	20170125	ES20130179973T	20040614
ES2683298 T3	20180926	ES20040736757T	20040614
GB200313627 A0	20030716	GB20030013627	20030612
GB200326859 A0	20031224	GB20030026859	20031118

GB200408993 A0	20040526	GB20040008993	20040422
HU030833 T2	20170628	HU20130179973T	20040614
IN00147CN2006 A	20070518	IN2006CN00147	20060112
IN231160 B	20090327	IN2006CN00147	20060112
JP2007527344 T2	20070927	JP20060516400T	20040614
KR20060024407 A	20060316	KR20057023763	20040614
PL1636111 T3	20181031	PL20040736757T	20040614
PL2662304 T3	20170131	PL20130179973T	20040614
PT2662304 T	20161102	PT20130179973T	20040614
RU2006100104 A	20060827	RU20060100104	20040614
SI1636111 T1	20180831	SI20040032442T	20040614
SI2662304 T1	20161130	SI20040032354	20040614
TR201809380 T4	20180723	TR20180009380T	20040614
US2006139928 AA	20060629	US20040560885	20040614
WO04110892 A1	20041223	WO2004GB02488	20040614
ZA200600295 A	20070627	ZA20060000295	20060112

Priority:

GB20030013627 20030612 GB20030026859 20031118 GB20020006859 20031118
GB20040008993 20040422 EP20040736757 20040614 EP20130179973 20040614
WO2004GB02488 20040614

Probable Assignee: BENMORE VENTURES LTD

Assignee(s): (std): BENMORE VENTURES LTD ; COGNIFEX LTD ; DUNCAN JON ; GRIFFITHS BRYN

Assignee(s): COGNIFEX LIMITED

Inventor(s): (std): BRYN GRIFFITHS ; JON DUNCAN ; JON GRIFFITHS BRYN DUNCAN ; GRIFFITHS BRYN ; DUNCAN JON

Inventor(s): DUNCAN JON WHITTON ; GRIFFITHS BRYN DUNCAN JON

Agent(s): SIM AND MCBURNEY; KEHL ASCHERL LIEBHOF AND ETTMAYR PATENTANWALTE PARTNERSCHAFT;
KEHL ASCHERL LIEBHOF AND ETTMAYR PATENTANWALTE PARTNERSCHAFT MBB; ELLIS KATHERINE
ELIZABETH SLEIGH; DE ELZABURU ALBERTO; ELZABURU SLP ELZABURU SLP; NAGAI YOSHIHISA;
HALISE BETUEL ATABAY VARLIK; DEWITT ROSS AND STEVENS, INTELLECTUAL PROPERTY
DEPARTMENT; DEWITT ROSS AND STEVENS INTELLECTUAL PROPERTY DEPARTMENT

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
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ZA ZM ZW

48) Family number: 32514279 (US2008309497A)

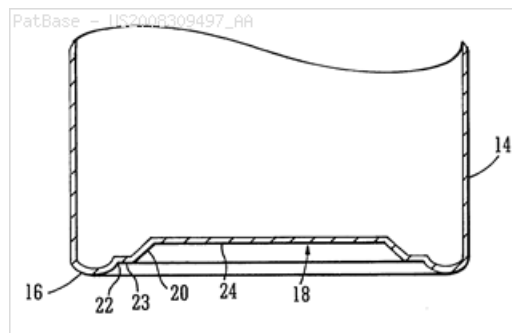
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Title: METHOD OF ATTACHING AN RFID TAG TO A COMPONENT, A COMPONENT COMPRISING AN RFID TAG AND RFID TAG

Abstract: A method of attaching an RFID tag to a component comprises locating the RFID tag on or in a section of a component, applying an ultrasonic welding process to melt a portion of the housing and a portion of the component contacting the housing and allowing the component and the RFID tag to cool to form a weld therebetween. There is also described a comprising an RFID tag for identification wherein the RFID tag is ultrasonically welded to a section of the component. The RFID tag has a housing encapsulating control electronics and an antenna, the RFID tag being located on or in the section of the component, and wherein a portion of the housing and a portion of the component contacting the housing have a weld therebetween.

Classifications:

International (IPC 8-9): G06K19/04
G06K19/077 (Advanced/Invention);
G06K19/04 G06K19/077 (Core/Invention)
CPC: G06K19/04 G06K19/07749
European: G06K19/04 G06K19/077T
US: 340/572.8



Family:

Publication number	Publication date	Application number	Application date
AT474283 E	20100715	AT20060794899T	20061025
DE602006015505 D1	20100826	DE200660015505T	20061025
EP1946250 A1	20080723	EP20060794899	20061025
EP1946250 B1	20100714	EP20060794899	20061025
GB200521702 A0	20051130	GB20050021702	20051025
US2008309497 AA	20081218	US20060091589	20061025
WO07049039 A1	20070503	WO2006GB03974	20061025

Priority:

GB20050021702 20051025 WO2006GB03974 20061025

Probable Assignee: REXAM PHARMA

Assignee(s): (std): BRYANT KEITH C ; BRYANT KEITH CHARLES

Assignee(s): REXAM PHARMA

Inventor(s): (std): BRYANT KEITH C ; BRYANT KEITH CHARLES

Agent(s): REEVE ANNA ELIZABETH; HOFFMAN WARNICK LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ

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

49) Family number: 33282365 (US2008272916A)

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Title: BOTTLE CAP AND BOTTLE

Abstract: The invention relates to a device which can be detected wirelessly by one or more sensors in a security system when located within the coverage range thereof. The aforementioned device includes storage means for storing customized identifying data for each bottle and is designed such that data can be wirelessly read or read and written by the sensor(s) belonging to the security system and/or by other sensors that do not form part of the system. The device preferably includes an RFID label and the wireless channels are established by means of radio-frequency. According to the invention, the device is placed in the cap and is destroyed or malfunctions when the cap is opened, such that fraudulent use can be detected.

Classifications:

International (IPC 8-9): B65D23/00 B65D41/34 B65D41/62

B65D55/02 G06K19/07 G08B13/22 (Advanced/Invention);

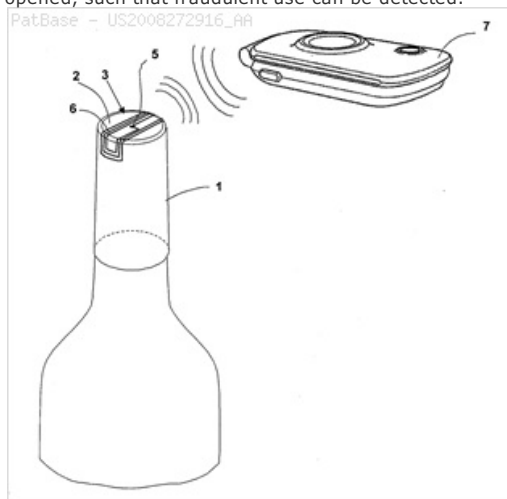
B65D23/00 G08B13/22 (Core/Invention)

CPC: G06K19/07381 B65D41/62 B65D55/06 B65D2203/10
G06K19/07749 G06K19/07798 B65D41/34 B65D55/02 G06K19/07

European: B65D41/34 B65D41/62 B65D55/02 B65D55/06

G06K19/07 G06K19/073A8A G06K19/077T G06K19/077T9
L65D203/10

US: 215/386 215/386S 340/572.8 340/572.800P



Family:

Publication number	Publication date	Application number	Application date
AT482153 E	20101015	AT20060725776T	20060222
DE602006017039 D1	20101104	DE200660017039T	20060222
EP1857374 A1	20071121	EP20060725776	20060222
EP1857374 B1	20100922	EP20060725776	20060222
ES2262425 AA	20061116	ES20050000417	20050224
ES2262425 BA	20071116	ES20050000417	20050224
US2008272916 AA	20081106	US20060884959	20060222
WO06089988 A1	20060831	WO2006ES00078	20060222

Priority:

ES20050000417 20050224 WO2006ES00078 20060222

Probable Assignee: MOBILE SAFE DATA SERVICES SL

Assignee(s): (std): BREYSSE MARC ; GONZALEZ ELORRIAGA FELIX ; MOBILE SAFE DATA SERVICES SL ; RAMONDIN
CAPSULAS S A ; RAMONDIN CAPSULAS SA

Inventor(s): (std): BREYSSE MARC ; GONZALEZ ELORRIAGA FELIX

Agent(s): CARPINTERO LOPEZ FRANCISCO; RATNERPRESTIA

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
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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

50) Family number: 3393726 (US5310222A)

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Title: Optical device

Abstract: PCT No. PCT/GB90/01613 Sec. 371 Date Apr. 8, 1992 Sec. 102(e) Date Apr. 8, 1992 PCT Filed Oct. 19, 1990 PCT Pub. No. WO91/06925 PCT Pub. Date May 16, 1991. An optical security device for use on a security article comprises a number of layers including an optically diffracting layer and an at least partially reflective layer which together generate a first image. A non-optically diffracting second image is provided within the device in association with the first image.

Classifications:

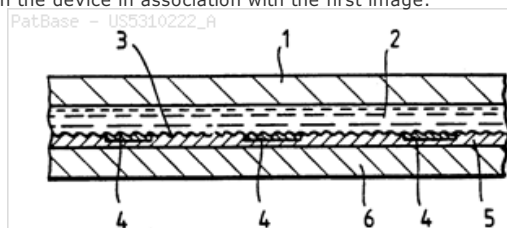
International (IPC 8-9): B42D15/10 G06K19/02 (Advanced/Invention);
G06K19/02 (Core/Invention)

International (IPC 1-7): B42D15/00 G06K19/02 G06K19/02

CPC: G03H1/0011 G03H1/02 G03H1/0244 G03H1/0252
G03H2001/187 G03H2250/10 G03H2250/36 G03H2250/40
G03H2270/52 G06K19/022

European: G03H1/02 G03H1/02L G06K19/02A S03H1/00A1
S03H1/02H1 S03H1/18T S03H250/10 S03H250/36 S03H250/40
S03H270/52

US: 283/109 283/111 283/86 359/2



Family:

Publication number	Publication date	Application number	Application date
AU199066338 A1	19910531	AU19900066338	19901019
BRPI9007791 A	19920825	BR1990PI07791	19901019
DE69030924 D1	19970717	DE19906030924	19901019
DE69030924 T2	19970918	DE19906030924T	19901019
EP0497837 A1	19920812	EP19900915964	19901019
EP0497837 B1	19970611	EP19900915964	19901019
ES2104615 T3	19971016	ES19900915964T	19901019
GB8924111 A0	19891213	GB19890024111	19891026
US5310222 A	19940510	US19920856141	19920408
WO9106925 A1	19910516	WO1990GB01613	19901019

Priority:

GB19890024111 19891026 WO1990GB01613 19901019

Probable Assignee: DE LA RUE INT LTD

Assignee(s): (std): DE LA RUE HOLOGRAPHICS LTD ; AMBLEHURST LTD

Assignee(s): DE LA RUE HOLOGRAPHICS LIMITED ; AMBLEHURST LIMITED ; DE LA RUE HOLOGRAPHICS LTD LONDON GB ; DE LA RUE INT ; DE LA RUE INT LTD

Inventor(s): (std): CHATWIN CHARLES E ; CHATWIN CHARLES EDWARD ; CHATWIN CHARLES EDWARD SLINFOL ; GOMME MARTIN C ; GOMME MARTIN CHRISTOPHER ; GOMME MARTIN CHRISTOPHER LAWN ; KAY RALPH ; KAY RALPH JUNIPER DRIVE RAY PA ; KAY RALPH JUNIPER ; EZRA DAVID ; GOMME MARTIN ; CHATWIN CHARLES

Inventor(s): EZRA DAVID WALLINGFORD OXON OX10 0RL GB ; KAY RALPH 15 JUNIPER DRIVE RAY PARK ROA... ; GOMME MARTIN CHRISTOPHER 200 LAWN LANE... ; CHATWIN CHARLES EDWARD SLINFOLD HOUSE HORSHAM... ; CHARLES E CHATWIN ; RALPH KAY ; MARTIN CHRISTOPHER GOMME ; DAVID EZRA ; CHARLES EDWARD CHATWIN ; KAY RALPH 15 JUNIPER DRIVE RAY PARK ROA BERKSHIRE ; KAY RALPH 15 JUNIPER DRIVE RAY PARK ROAD ; GOMME MARTIN CHRISTOPHER 200 LAWN LANE HERTFORDSHI ; CHATWIN CHARLES EDWARD SLINFOLD HOUSE ; CHATWIN CHARLES EDWARD SLINFOLD HOUSE HORSHAM SURR

Designated states: AT AU BE BR CA CH DE DK ES FI FR GB GR IT JP KR LU NL NO SE US

51) Family number: 42167485 (US2005063199A)

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Title: FUNCTIONAL APPLICATION OF PHOTOCHROMIC COMPOUND MATERIALS TO PRODUCTS

Abstract: A device (50) capable of selectively altering its appearance can include a housing portion (64) of the device having at least one photochromic compound and an ultraviolet light source (60) forming a portion of the device for exposing the portion of the device having the photochromic compound to the ultraviolet light source. A reaction by the photochromic compound can provide or serve as a status indicator for the device. The device can be any number of devices such as a portable communication device, a personal digital assistant, a laptop computer, a camera, a GPS device, a printer, a camcorder, a vehicle, a toy, a personal hygiene device, a watch, a calculator, and a writing instrument for example. The device can be formed so that reactions by the photochromic compounds within the device are controlled solely by the ultraviolet light sources (54 and 60) within the device.

Classifications:

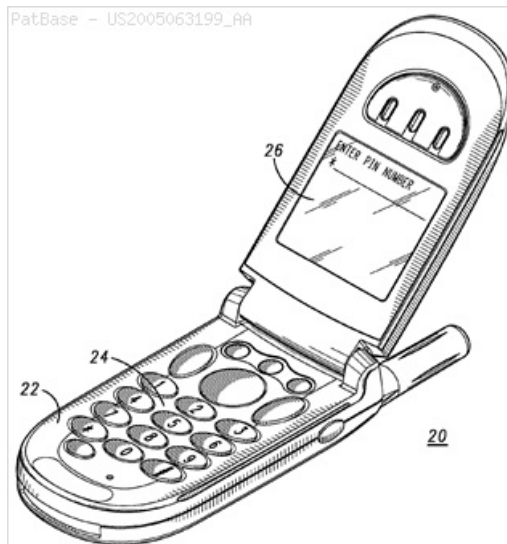
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International (IPC 1-7): F21S4/00 F21Y111/00

CPC: Y10S362/806 H04M1/0283 G06F1/1616 G06F1/1626 G06F1/1656 G06F1/181

European: G06F1/16P1F G06F1/16P3 G06F1/16P9E G06F1/18E H04M1/02A16D

US: 250/483.1 362/109 362/253 362/34 362/362 362/565 362/565P 362/806 362/84 40/543



Family:

Publication number	Publication date	Application number	Application date
BRPI0414567 A	20061107	BR2004PI14567	20040909
CA2537803 AA	20060302	CA20042537803	20040909
CA2537803 C	20100504	CA20042537803	20040909
CN1853070 A	20061025	CN200480026807	20040909
EP1664627 A2	20060607	EP20040821492	20040909
EP1664627 A4	20100113	EP20040821492	20040909
JP2007508957 T2	20070412	JP20060526949T	20040909
US2005063199 AA	20050324	US20030666708	20030918
US7044614 BB	20060516	US20030666708	20030918
WO05084169 A2	20050915	WO2004US29646	20040909
WO05084169 A3	20051229	WO2004US29646	20040909

Priority:

US20030666708 20030918 WO2004US29646 20040909

Probable Assignee: GOOGLE INC

Assignee(s): (std): MOTOROLA INC ; LEVY RAMI C ; GRAY ROBERT C ; NILSEN RYAN M

Assignee(s): GOOGLE INC ; GOOGLE TECHNOLOGY HOLDINGS LLC ; MOTOROLA MOBILITY INC ; MOTOROLA MOBILITY LLC ; MOTOROLA INC A OF STATE OF DELAWARE CORP ; MOTOROLA INC A OF STATE OF DELAWARE CORP ; MOTOROLA INC1303 EAST ALGONQUIN ROADSCHAUMBURGIL60196US ; MOTOROLA MOBILITY LLC600 NORTH US HIGHWAY 45LIBERTYVILLEIL60048US ; MOTOROLA MOBILITY INC600 NORTH US HIGHWAY 45LIBERTYVILLEIL60048-5343US ; MOTOROLA SOLUTIONS INC

Inventor(s): (std): NILSEN RYAN M ; GRAY ROBERT C ; LEVY RAMI C ; LEVY RAMI C GRAY ROBERT C NILS

Inventor(s): GRAY ROBERT CUS ; LEVY RAMI ; GRAY ROBERT ; NILSEN RYAN MUS ; LEVY RAMI CUS ; NILSEN RYAN ; RYAN M NILSEN ; ROBERT C GRAY ; RAMI C LEVY

Agent(s): GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; AKERMAN SENTERFITT

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 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

52) Family number: 43214153 (US2010245044A)

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Title: SECURITY STRUCTURE COMPRISING A THERMOCHROMIC ELEMENT AND A PHOTOCROMIC ELEMENT

Abstract: The present invention provides a security structure comprising: at least one photochromic layer presenting at least one photochromic zone including at least one photochromic element; and at least one thermochromic layer presenting at least one thermochromic zone including a thermochromic element, covering the photochromic zone at least in part.

Classifications:

International (IPC 8-9): B32B3/00 B42D15/10 B42D25/36

B42D25/364 B44F1/10 D21H21/48 G06F7/04 G07D7/12

G07D7/20 (Advanced/Invention);

B32B3/00 B42D15/10 D21H21/40 G06F7/02

G07D7/00 (Core/Invention)

CPC: G09F2003/0283 B42D25/24 B42D25/364 D21H21/48

B42D25/29 B42D2033/04 B42D2033/08 B42D2033/14 B42D2033/26

B42D2035/24

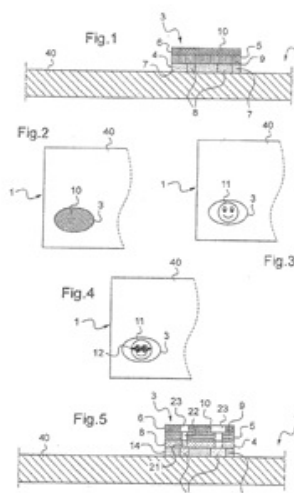
European: B42D15/00C D21H21/48 L42D33/04 L42D33/08

L42D33/14 L42D33/26 L42D35/24

US: 340/5.86 340/5.860P 428/29 428/29S

PatBase - US2010245044_AA

Patent Application Publication Sep. 30, 2010 Sheet 1 of 2 US 2010/0245044 A1



Family:

Publication number	Publication date	Application number	Application date
CA2703169 AA	20100420	CA20082703169	20081021
EP2242884 A1	20101027	EP20080844926	20081021
FR2922905 A1	20090501	FR20070058613	20071026
FR2922905 B1	20091218	FR20070058613	20071026
US2010245044 AA	20100930	US20080738724	20081021
WO09056728 A1	20090507	WO2008FR51899	20081021

Priority:

FR20070058613 20071026 WO2008FR51899 20081021

Probable Assignee: ARJOWIGGINS SECURITY

Assignee(s): (std): ARJOWIGGINS LICENSING ; ARJOWIGGINS LICENSING SAS ; ARJOWIGGINS LICENSING SOC PAR ; ARJOWIGGINS SECURITY ; DIETEMANN PHILIPPE

Assignee(s): ARJOWIGGINS LICENSING SOC PAR ACTIONS SIMPLIFIEE ; ARJOWIGGINS LICENSING SOCIETE PAR ACTIONS SIMPLIFIEE

Inventor(s): (std): DIETEMANN PHILIPPE

Inventor(s): PHILIPPE DIETEMANN

Agent(s): ROBIC; TANTY FRANCOIS; NONY AND ASSOCIES; CABINET NONY; OLIFF AND BERRIDGE 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 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

53) Family number: 56489381 (US2014138274A)

© PatBase

Title: PRODUCT AND PACKAGE WITH A PHOTOSENSITIVE USE-EVIDENT FEATURE

Abstract: A product includes a container, a photosensitive material carried by the container and responsive to ultraviolet light, and a UV protector carried by the container to protect the photosensitive material from exposure to UV light.

Classifications:

International (IPC 8-9): B65B43/00 B65D25/00 B65D49/00

B65D51/24 B65D55/02 B65D65/38 B65D81/00

B65D85/00 (Advanced/Invention);

B65D49/00 B65D51/24 (Core/Invention)

International (IPC 1-7): B65D49/00 B65D51/24 B65D55/02

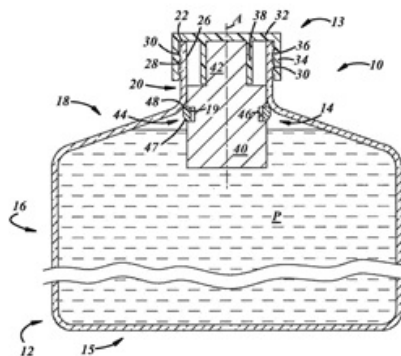
CPC: B65D81/00 B65B43/00 B65D49/00 B65D55/026 B65D2101/00

B65D2203/00 B65D2203/02 B65D2203/04 B65D2203/12

B65D51/248 B65D25/00

US: 1/1 206/459.1 206/524.6 53/452 53/492

PatBase - US2014138274_AA

**Family:**

Publication number	Publication date	Application number	Application date
AR093510 AA	20150610	AR2013P104218	20131115
AR106833 AB	20180221	AR2016P103632	20161125
AU2013345212 AA	20140522	AU20130345212	20131105
AU2013345212 BB	20170323	AU20130345212	20131105
AU2017202839 AA	20170518	AU20170202839	20170428
AU2017202839 BB	20171019	AU20170202839	20170428
AU2017228651 AA	20171005	AU20170228651	20170914
BR112015010485 A2	20170711	BR20151110485	20131105
CA2889324 AA	20150423	CA20132889324	20131105
CL2015001260 A1	20150925	CL20150001260	20150511
CN104781156 A	20150715	CN201380059846	20131105
CN104781156 B	20181016	CN201380059846	20131105
CO7350634 A2	20150810	CO20150086358	20150417
DE602013025892 D1	20171012	DE201360025892T	20131105
EP2920083 A1	20150923	EP20130805633	20131105
EP2920083 B1	20170830	EP20130805633	20131105
EP3263476 A2	20180103	EP20170183307	20131105
EP3263476 A3	20180425	EP20170183307	20131105
EP3263476 A8	20180502	EP20170183307	20131105
ES2649714 T3	20180115	ES20130805633T	20131105
ID201604055 A	20160617	ID2015P0003577	20131105
MX2015005718 A1	20150820	MX20150005718	20131105
NZ706383 A	20170428	NZ20130706383	20131105
NZ730609 A	20180727	NZ20130730609	20131105
PE09852015 A1	20150620	PE20150000628	20131105
PH2015500980 A	20150713	PH20150500980	20150504
PL2920083 T3	20180228	PL20130805633T	20131105
SG10201708767V A1	20171129	SG20171008767	20131105
SG11201502964V A1	20150528	SG20151102964	20131105
TH156632 A	20160920	TH20151002510	20131105
TW201429831 A	20140801	TW20130140855	20131111
TW201726506 A	20170801	TW20170105463	20131111
TW201836944 A	20181016	TW20180122977	20131111
TWI574891 B	20170321	TW20130140855	20131111
UA114826 C2	20170810	UA20150005766	20131105
US2014138274 AA	20140522	US20120679506	20121116
US2016251129 AA	20160901	US20160149377	20160509
US2018186526 AA	20180705	US20180909124	20180301
US9365314 BB	20160614	US20120679506	20121116
US9938058 BB	20180410	US20160149377	20160509
VN18553 A1	20180326	VN20150001456	20131105
WO14078128 A1	20140522	WO2013US68472	20131105

Priority:

US20120679506 20121116	AU20130345212 20131105	EP20130805633 20131105
NZ20130706383 20131105	WO2013US68472 20131105	US20160149377 20160509
AU20170202839 20170428	AU20170228651 20170914	US20180909124 20180301

Probable Assignee: OWENS BROCKWAY GLASS CONTAINER INC

Assignee(s): (std): OWENS BROCKWAY GLASS CONTAINER ; OWENS BROCKWAY GLASS CONTAINER INC ; OWENS BROCKWAY GLOSS CONTAINER INC

Assignee(s): OWENS BROCKWAY GLASS CONTAINER INC PERRYSBURG ; SOLUNIN ANATOLY ; SMITH ROGER P ; ANDERSON CHRIS D ; BRYANT JESSICA R ; CLARK TERENCE J ; COOPER SCOTT ; FEYGENSON OLEG

Inventor(s): (std): ANATOLY SOLUNIN ; ANDERSON CHRIS ; ANDERSON CHRIS D ; CHRIS D ANDERSON ; CLARK TERENCE ; CLARK TERENCE J ; FEYGENSON OLEG ; JESSICA R BRYANT ; OLEG FEYGENSON ; ROGER P SMITH ; SCOTT COOPER ; SMITH ROGER ; SMITH ROGER P ; BRYANT JESSICA ; BRYANT JESSICA R ; COOPER SCOTT ; SOLUNIN ANATOLY ; TERENCE J CLARK ; BRYANT JESSICA ROSE

Inventor(s): TERENCEJ CLARK ; COOPER SCOTT PERRYSBURG ; BRYANT JESSICA R TOLEDO ; SMITH ROGER P PERRYSBURG ; CLARK TERENCE J SANFORD ; ANDERSON CHRIS D PERRYSBURG

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING LAFLEUR HENDERSON LLP; JOHANSSON AND LANGLOIS LTDA; BLUMBACH ZINNGREBE PATENT U RECHTSANWAELTE PARTG MBB; BLUMBACH ZINNGREBE; BLUMBACH ZINNGREBE PATENT U RECHTSANWAELTE; CARVAJAL Y ISABEL; IR YT WIDJOJO; DREW AND NAPIER LLC; SMITH SUSAN L

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

54) Family number: 56490419 (US2014138276A)

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Title: CONTAINER HAVING A USE-EVIDENT DEVICE

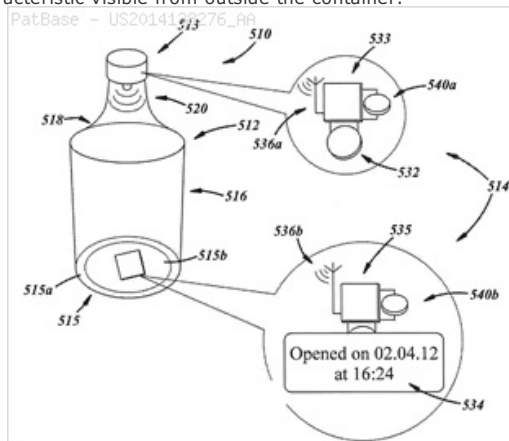
Abstract: A product includes an indicator at least a portion of which is carried by a container and responsive to a change in at least one state of the container to irreversibly modify a visual characteristic visible from outside the container.

Classifications:

International (IPC 8-9): B65B3/04 B65B69/00 B65D B65D25/00 B65D49/00 B65D55/02 B65D79/00 G08B21/00 (Advanced/Invention); B65D55/02 (Core/Invention)

CPC: B65D79/00 B65B3/04 B65B69/00 B65D55/026 B65D2203/10 B65D2203/12

US: 206/459.1 340/669 340/686.1 53/471 53/492



Family:

Publication number	Publication date	Application number	Application date
AR093534 AA	20150610	AR2013P104252	20131119
AU2013348376 AA	20140530	AU20130348376	20131017
AU2013348376 BB	20160908	AU20130348376	20131017
BR112015011102 A2	20170711	BR20151111102	20131017
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CO7620735 A2	20160531	CO20150100008	20150430
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EP2922768 A1	20150930	EP20130786053	20131017
EP2922768 B1	20180905	EP20130786053	20131017
EP3412592 A1	20181212	EP20180185441	20131017
ID201605347 A	20160930	ID2015P0003766	20131017
MX2015005942 A1	20150908	MX20150005942	20131017
MX357326 B	20180705	MX20150005942	20131017
NZ706412 A	20171027	NZ20130706412	20131017
PE09862015 A1	20150620	PE20150000660	20131017
PH2015500768 A	20150608	PH20150500768	20150407
RU2015124035 A	20170110	RU20150124035	20131017
SG11201503166T A1	20150629	SG20151103166	20131017
TH157007 A	20161004	TH20151002713	20131017
TW201429825 A	20140801	TW20130141573	20131115
TWI611988 B	20180121	TW20130141573	20131115
UA114537 C2	20170626	UA20150006114	20131017
US2014138276 AA	20140522	US20120683475	20121121
US8830076 BB	20140909	US20120683475	20121121
WO14081520 A1	20140530	WO2013US65454	20131017
ZA201503049 A	20161130	ZA20150003049	20131017

Priority:

US20120683475 20121121 EP20130786053 20131017 WO2013US65454 20131017

Probable Assignee: OWENS BROCKWAY GLASS CONTAINER INC

Assignee(s): (std): OWENS BROCKWAY GLASS CONTAINER INC ; OWENS BROCKWAY GLASS CONTAINER ; OWENS BROCKWAY GLOSS CONTAINER INC ; OWENS BROCKWAY GLASS CONTAINER INC A CORP ORGANISED AND EXISTING UNDER LAWS OF STATE OF DELA

Assignee(s): OWENS BROCKWAY GLASS CONTAINER INC PERRYSBURG ; SOLUNIN ANATOLY ; SMITH ROGER P ; MISIUCENKO IGORIS ; ANDERSON CHRIS ; CRESSWELL PHYLLIS A ; FEYGENSON OLEG ; MALCOLM BRAD

Inventor(s): (std): ANATOLY SOLUNIN ; BRAD MALCOLM ; CHRIS ANDERSON ; IGORIS MISIUCENKO ; OLEG FEYGENSON ; PHYLLIS A CRESSWELL ; ROGER P SMITH ; SOLUNIN ANATOLY ; SMITH ROGER P ; MISIUCENKO IGORIS ; MALCOLM BRAD ; FEYGENSON OLEG ; CRESSWELL PHYLLIS A ; ANDERSON CHRIS D ; ANDERSON CHRIS

Inventor(s): ANDERSON CHRIS PERRYSBURG ; CRESSWELL PHYLLIS A PERRYSBURG ; SMITH ROGER P

PERRYSBURG

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING LAFLEUR HENDERSON LLP; JOHANSSON AND LANGLOIS LTDA; JUAN PABLO CADENA SARMIENTO; BLUMBACH ZINNGREBE PATENT U RECHTSANWAELTE PARTG MBB; BLUMBACH ZINNGREBE; BLUMBACH ZINNGREBE PATENT U RECHTSANWAELTE; IR YT WIDJOJO; SMITH SUSAN L

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

55) Family number: 57419208 (US2014263158A)

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Title: CONTAINER HAVING A USE INDICATOR

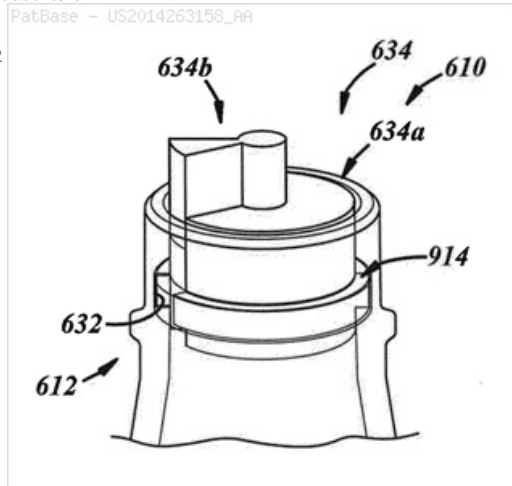
Abstract: A product includes a container, and an indicator that is carried inside the container and that exhibits a first visible characteristic, and a second, different visible characteristic when exposed to air.

Classifications:

International (IPC 8-9): A61J1/00 B65B3/04 B65B61/20 B65B7/28 B65D1/02 B65D23/00 B65D23/12 B65D39/00 B65D41/00 B65D49/12 B65D55/02 B65D85/00 B67C3/02 (Advanced/Invention)

CPC: B65B3/04 B65D1/023 B65D23/12 B65D2101/0084 B65D23/006 B65D39/0052 B65B7/28 B65B61/20 B67C3/02 B65D41/005 B65D23/00

US: 1/1 206/459.1 215/366 53/471



Family:

Publication number	Publication date	Application number	Application date
AR095583 AA	20151028	AR2014P101208	20140317
AU2014237907 AA	20140925	AU20140237907	20140305
TW201502023 A	20150116	TW20140109008	20140313
US2014263158 AA	20140918	US20130832589	20130315
US2016221718 AA	20160804	US20160091868	20160406
US2016221719 AA	20160804	US20160091905	20160406
US2016221720 AA	20160804	US20160091974	20160406
US9334084 BB	20160510	US20130832589	20130315
US9815593 BB	20171114	US20160091974	20160406
US9994360 BB	20180612	US20160091868	20160406
US10040603 BB	20180807	US20160091905	20160406
WO14149742 A1	20140925	WO2014US20671	20140305
WO14149742 A8	20150730	WO2014US20671	20140305

Priority:

US20130832589 20130315 WO2014US20671 20140305 US20160091868 20160406
US20160091905 20160406 US20160091974 20160406

Probable Assignee: OWENS BROCKWAY GLASS CONTAINER INC

Assignee(s): (std): OWENS BROCKWAY GLASS CONATINER INC ; OWENS BROCKWAY GLASS CONTAINER ; OWENS BROCKWAY GLASS CONTAINER INC ; OWENS BROKWAY GLASS CONTAINER INC

Inventor(s): (std): BRYANT JESSICA R ; DARVISH DIANA ; SMITH ROGER P ; SOLUNIN ANATOLY ; TARATIN NIKOLAY ; WHITTON MICHAEL J

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; SMITH SUSAN L

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

56) Family number: 10854932 (US5762377A)

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Title: Method of authenticating an item and an apparatus for authenticating an item

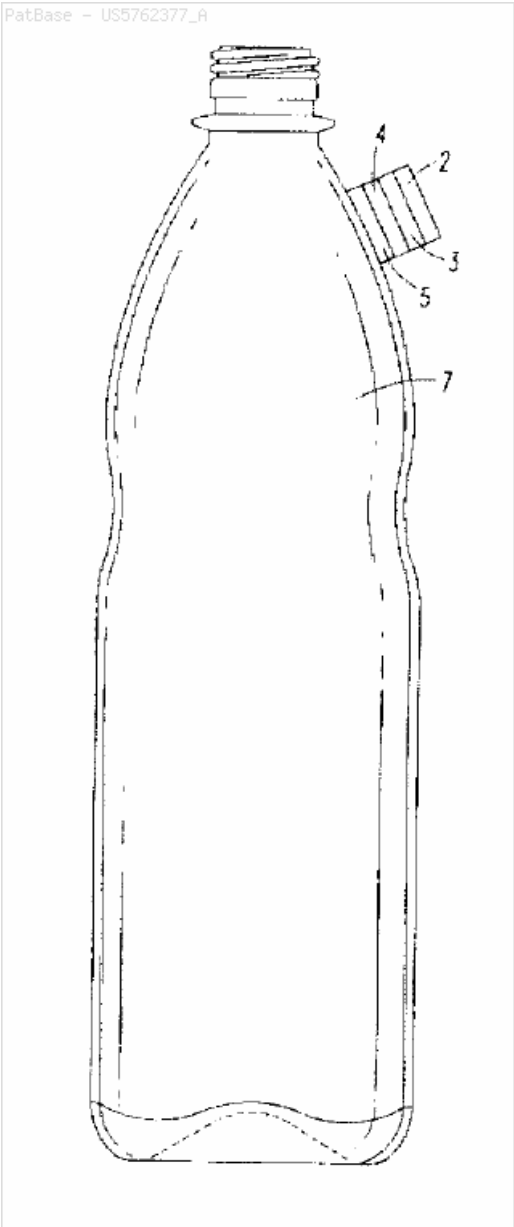
Abstract: A method of authenticating an item and an apparatus for authenticating an item. The items which can be authenticated are typically located in a sales room or other commercial establishment where goods are typically sold. There has been an increasing trend wherein manufacturers are providing items typically on display in sales showrooms with a tag or marking which can serve to authenticate the item or product. The consumer can then determine if the item is genuine or counterfeit by means of the tag or other identifying marking.

Classifications:

International (IPC 8-9): G09F3/00 G09F3/02 (Advanced/Invention)

International (IPC 1-7): B42D15/00

CPC: G09F3/00 G09F3/0292
European: G09F3/00 G09F3/02D2
US: 283/101 283/67 283/81 283/94



Family:

Publication number	Publication date	Application number	Application date
US5762377 A	19980609	US19960692173	19960805

Priority:

US19950409135 19950323 US19960692173 19960805

Probable Assignee: CHECKPOINT SYSTEMS INT GMBH

Assignee(s): (std): ESSELTE METO INT GMBH

Assignee(s): METO INT ; METO INT GMBH ; ESSELTE METO INT ; ESSELTE METO INTERNATIONAL GMBH ;
CHECKPOINT SYSTEMS INT ; CHECKPOINT SYSTEMS INT GMBH

Inventor(s): (std): CHAMBERLAIN JOHN R B

57) Family number: 21747155 (US2143508A) © PatBase

Title: RECEPTACLE INDICATOR

Abstract: 1. In a glass bottle, a portion thereof being provided with a recess, a cartridge disposed therein, said cartridge including a photosensitive material positioned to be viewed from the exterior at said portion, a glass seal in said recess to prevent removal of the cartridge, and an opaque element secured to the external surface of said portion to prevent premature exposure of said material.

Classifications:

International (IPC 8-9): B65D55/02 (Advanced/Invention);

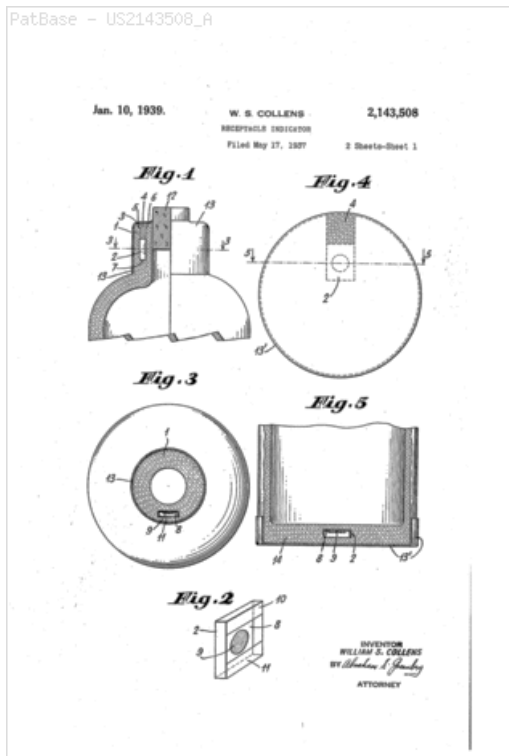
B65D55/02 (Core/Invention)

International (IPC 1-7): B65D49/00

CPC: B65D55/026

European: B65D55/02G

US: 215/230 40/310

**Family:**

Publication number	Publication date	Application number	Application date
US2143508 A	19390110	US19370143073	19370517

Priority:

US19370143073 19370517

Probable Assignee:

COLLENS WILLIAM S

Assignee(s): (std):

COLLENS WILLIAM S

Inventor(s): (std):

COLLENS WILLIAM S

58) Family number: 21785521 (US2515936A)

© PatBase

Title: SILVER-CONTAINING PHOTOSENSITIVE GLASS**Abstract:** (Claim 1) 1. A photosensitive glass consisting essentially of a silicate glass containing, on the oxide basis by weight, 0.05% to 0.3% of silver computed as AgCl, and CeO₂ in an amount up to 0.05%.**Classifications:****International (IPC 8-9):** C03C4/04 (Advanced/Invention);

C03C4/00 (Core/Invention)

International (IPC 1-7): C03C3/26 F21M7/00**CPC:** C03C4/04**European:** C03C4/04**US:** 359/241 427/145 427/160 427/165 430/13 430/198 501/57 501/64 501/72 65/111 65/33.2 65/33.3**Family:**

Publication number	Publication date	Application number	Application date
US2515936 A	19500718	US19430513441	19431208

Priority:

US19430513441 19431208

Probable Assignee:

CORNING INC

Assignee(s): (std):

CORNING GLASS WORKS ; CORNING INC

Inventor(s): (std):

ARMISTEAD JR WILLIAM HOUSTON

Inventor(s):

JR WILLIAM HOUSTON ARMISTEAD

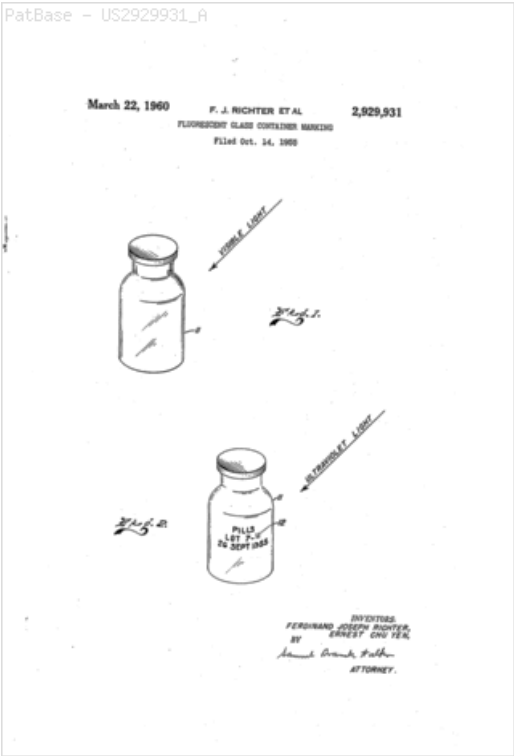
59) Family number: 22462726 (US2929931A)

© PatBase

Title: FLUORESCENT GLASS CONTAINER MARKING**Abstract:** (Claim 1) 1. A transparent glass container, contents therein to be identified, and on a smooth transparent glass surface thereof, a thin indicia of a visible-light invisible, visiblelight transparent, fluorescent-light visible composition, comprising a fluorescent material dispersed in visiblelight invisible form in a solvent soluble polymer, which polymer in the solid phase has an index of refraction within about 0.02 of the index of refraction of the container glass.**Classifications:****International (IPC 8-9):** G09F3/00 (Advanced/Invention);

G09F3/00 (Core/Invention)

International (IPC 1-7): A61J1/00**CPC:** G09F3/00 Y10T428/193



Family:

Publication number	Publication date	Application number	Application date
US2929931 A	19600322	US19550540435	19551014

Priority:

US19550540435 19551014

Probable Assignee: AMERICAN CYANAMID CO
Assignee(s): (std): AMERICAN CYANAMID CO
Assignee(s): AMERICAN CYANAMID COMPANY
Inventor(s): (std): JOSEPH RICHTER FERDINAND ; CHU YEN ERNEST
Inventor(s): YEN ERNEST CHU ; RICHTER FERDINAND JOSEPH

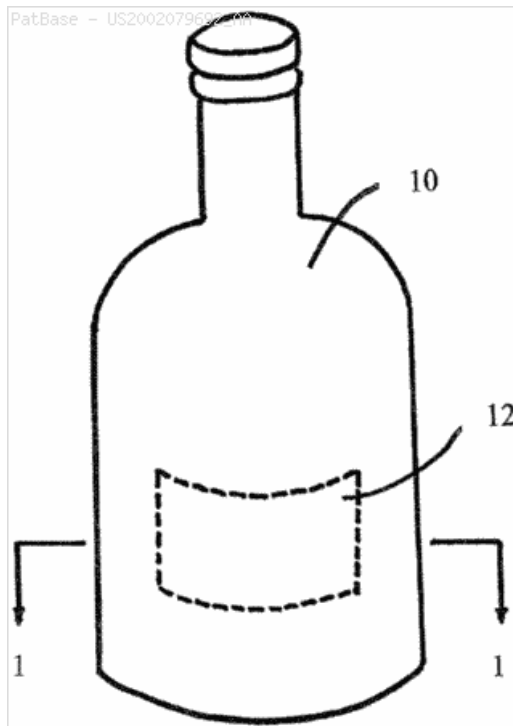
60) Family number: 28218095 (US2002079692A) © PatBase

Title: Container with label for monitoring use

Abstract: A system, container, and a label for monitoring the use of a container. The label is ideally inserted into the wall of the container. The label preferably includes an indicating ink that incrementally changes color or changes shade when certain external energy sources are applied. The labeled container can be used in a system of monitoring, characterizing, and recording information and traits regarding containers wherein the incremental changes in the indicating ink are measured. The information, such as counting cycles of container use, is preferably machine-readable, as well as human-readable.

Classifications:

International (IPC 8-9): C09D11/00 G09F3/02 (Advanced/Invention)
International (IPC 1-7): B42D15/00 B65D25/54 B65D85/00
C09D11/02 G03G9/09 G09F3/00
CPC: C09D11/50 G09F3/02
European: C09D11/50 G09F3/02
US: 106/31.32 106/31.64 116/202 206/305 206/459.1 206/459.5
215/11.2 215/112 283/114 283/81 283/81P 40/310 40/324 40/427
40/446 40/463 422/20 422/21 422/22 422/24 436/1

**Family:**

Publication number	Publication date	Application number	Application date
US2002079692 AA	20020627	US20020079700	20020222
US6378906 BA	20020430	US20000732604	20001208
US6726013 BB	20040427	US20020079700	20020222

Priority:

US19990169844P 19991209 US20000732604 20001208 US20020079700 20020222

Probable Assignee: MORGAN ADHESIVES CO LLC

Assignee(s): (std): MORGAN ADHESIVES CO

Assignee(s): MORGAN ADHESIVES CO LLC ; MORGAN ADHESIVES COMPANY ; PENNAZ THOMAS J ; BANK OF AMERICA NA AGENT AS ; BANK OF AMERICA NA COLLATERAL AGENT AS ; EVERGREEN HOLDINGS I LLC COLLATERAL AGENT AS

Inventor(s): (std): PENNAZ THOMAS J

61) Family number: 28436216 (US2003063460A)

© PatBase

Title: DEVICE AND METHOD FOR ILLUMINATING LIQUID CONTAINERS INTERNALLY

Abstract: A light chip comprised of a liquid-tight translucent casing containing at least one selectively illuminatable light source and at least one energy source is disclosed. To provide a decorative lighting effect, the light chip may be placed inside a liquid container to float freely in the contained liquid, affixed to a portion of a container, or restrained by some means to a portion of a container where it may move freely.

Classifications:

International (IPC 8-9): A47G19/22 F21S10/00 (Advanced/Invention);

F21V23/04 (Advanced/Non-invention);

A47G19/22 F21S10/00 (Core/Invention);

F21V23/04 (Core/Non-invention)

International (IPC 1-7): F21V33/00 F21V9/12

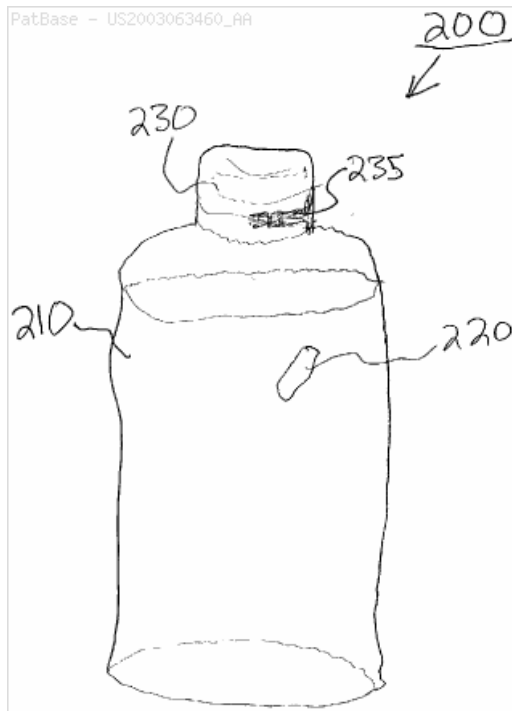
CPC: F21S10/002 A47G19/2227 A47G2019/2238 F21V23/0407

F21V23/0442 F21Y2115/10

European: A47G19/22B6 F21S10/00A K47G19/22B6L R21V23/04F

R21V23/04S R21Y101/02

US: 362/101 362/276 362/318

**Family:**

Publication number	Publication date	Application number	Application date
US2003063460 AA	20030403	US20020261269	20020930

Priority:

US20010325940P 20010928 US20020261269 20020930

Probable Assignee: CRAIG P NADEL

Assignee(s): (std): CRAIG P NADEL

Inventor(s): (std): NADEL CRAIG

62) Family number: 28628116 (US2003080193A)

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Title: Portable authentication fluorescence scanner employing single and multiple illumination sources

Abstract: A portable fluorescence scanner has single or multiple excitation sources at various non-visible wavelengths. If multiple non-visible sources are used, they are disposed in alignment with a selector controllable to select any of the sources. The selected beam illuminates a target article which, if authentic, has been marked with certain fluorescent material(s), and fluorescent light returns, along an optical path that may include a beam splitter, to a photodetector whose signal is processed and analyzed by a digital signal processor (DSP). The DSP also either controls the deflector or receives a signal from a transducer indicating the deflector's orientation, or both. The invention may be configured as a hand-held fluorescence scanner. Multiple UV laser diode or UV LED sources can be arranged in an array, which may be linear. Multiple photodetectors may be arranged in an array, with a correspondence between individual UV sources and photodetectors, each corresponding pair satisfying a predetermined angular limitation. The scanner may also have one or more visible light sources, used for aiming at indicia to be scanned and/or for optimizing distance from the scanned article.

Classifications:

International (IPC 8-9): G06K7/10 G06K7/12 (Advanced/Invention);

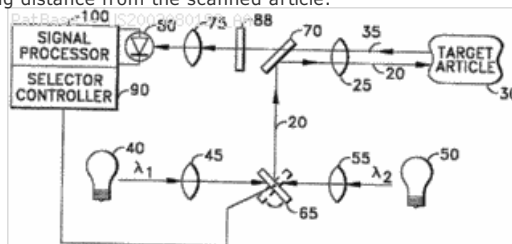
G06K7/10 G06K7/12 (Core/Invention)

International (IPC 1-7): G06K19/06

CPC: G06K7/10574 G06K7/12

European: G06K7/10S2B2 G06K7/12

US: 235/491

**Family:**

Publication number	Publication date	Application number	Application date
US2003080193 AA	20030501	US20010999855	20011031

Priority:

US20010999855 20011031

Probable Assignee: LIANG LOUIS H

Assignee(s): (std): LIANG LOUIS H ; RYAN WILLIAM J

Inventor(s): (std): LIANG LOUIS H ; RYAN WILLIAM J

63) Family number: 29442205 (US2003112423A)

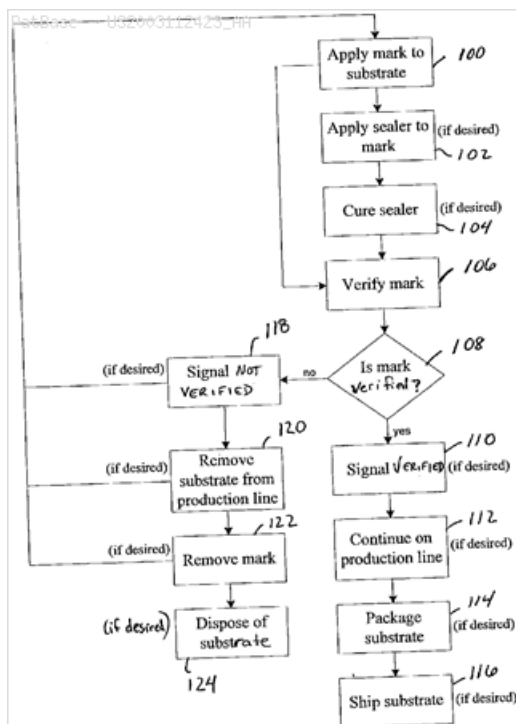
© PatBase

Title: ON-LINE VERIFICATION OF AN AUTHENTICATION MARK APPLIED TO PRODUCTS OR PRODUCT PACKAGING

Abstract: A system and method of verifying application of an authentication mark on a substrate is disclosed. Light-sensitive compounds can be used to identify the product or product packaging. A printer, locatable at the production line, prints at least one light-sensitive compound on the product or product package to produce at least a portion of the authentication mark. A verification device, locatable at the production line, verifies the application of the at least one light-sensitive compound on the product or product package.

Classifications:

International (IPC 8-9): B41J2/01 B41M3/14 B41M5/00 B42D15/00 B42D15/10 G01K9/74 G01V8/10 G05B19/418 G06K1/12 G06K17/00 G06K19/06 G06K19/10 G06K19/14 G06K5/00 G06K7/00 G06K7/12 G07D7/12 G09F3/02 (Advanced/Invention); B42D15/00 G06K19/14 G06K7/12 (Advanced/Non-invention); G05B19/418 G06K1/00 G06K19/14 G06K7/12 G06K9/00 (Core/Invention)
International (IPC 1-7): B42D15/00 G06K1/12 G06K19/14 G06K7/12 G06K9/74
CPC: B41M3/14 B41M3/142 B41M3/144 B41M3/148 G07D7/12 G06K5/00 G06K19/14 G06K7/12
European: B41M3/14 G06K19/14 G06K5/00 G06K7/12 G07D7/12 L41M3/14C L41M3/14F L41M3/14T
US: 283/113 283/113P 356/71 356/71P



Family:

Publication number	Publication date	Application number	Application date
AR024752 AA	20021023	AR2000P103631	20000714
AT339741 E	20061015	AT20000947315T	20000713
AU200060947 A1	20010205	AU20000060947	20000713
AU200060947 A5	20010205	AU20000060947D	20000713
AU2003275485 AA	20040504	AU20030275485	20031008
AU2003277311 AA	20040513	AU20030277311	20031008
AU2003277311 AB	20050811	AU20030277311	20031008
BRPI0315077 A	20050816	BR2003PI15077	20031008
BRPI0315429 A	20050816	BR2003PI15429	20031008
CA2377751 AA	20011219	CA20002377751	20000713
CA2501494 AA	20050406	CA20032501494	20031008
CA2502040 AA	20050412	CA20032502040	20031008
CN1360711 A	20020724	CN20008010236	20000713
CN1723134 A	20060118	CN200380105424	20031008
CN1726502 A	20060125	CN200380106584	20031008
CO5670373 A2	20060831	CO20050045055	20050511
DE60030730 D1	20061026	DE20006030730T	20000713
DE60030730 D1	20061026	DE20006030730	20000713
DE60030730 T2	20070906	DE20006030730T	20000713
DK1200932 T3	20070108	DK20000947315T	20000713
EP1200932 A1	20020502	EP20000947315	20000713
EP1200932 B1	20060913	EP20000947315	20000713
EP1549502 A1	20050706	EP20030759763	20031008
EP1556822 A1	20050727	EP20030809543	20031008
ES2270853 T3	20070416	ES20000947315T	20000713
JP2003505771 T2	20030212	JP20010511634T	20000713
JP2006502513 T2	20060119	JP20050501125T	20031008
JP2006505422 T2	20060216	JP20040546804T	20031008
KR20020033458 A	20020506	KR20027000676	20000713
KR20050067416 A	20050701	KR20057006677	20031008
KR20050114600 A	20051206	KR20057006078	20031008
MXPA05003745 A1	20060127	MX2005PA03745	20031008
MXPA05004032 A1	20060127	MX2005PA04032	20031008
TW498286 B	20020811	TW20000113936	20000713
US2003112423 AA	20030619	US20020274456	20021018
US2004000787 AA	20040101	US20030356387	20030131
US7079230 BA	20060718	US20000556280	20000424
WO0106453 A1	20010125	WO2000US19088	20000713
WO0106453 C2	20020725	WO2000US19088	20000713
WO04033228 A1	20040422	WO2003US31876	20031008
WO04038645 A1	20040506	WO2003US31877	20031008

Priority:

US19990144544P 19990716	US20000193158P 20000328	US20000556280 20000424
WO2000US19088 20000713	US20020353481P 20020201	US20020416843P 20021008
US20020274456 20021018	US20030356387 20030131	WO2003US31876 20031008

Assignee(s): (std): MILLER PETER ; SELINFREUND RICHARD ; VERIFICATION TECHNOLOGIES INC ; VIG RAKESH ; SWANSON DREW ; SUN CHEMICAL BV ; SUN CHEMICAL B V ; VERIFICATION TECHNOLOGIES INC D B A VERITEC ; VERIFICATION TECHNOLOGIES INC D B A VERTEC

Assignee(s): SPENCER TRASK ; SELINFREUND RICHARD H ; PHILIPS J CHRISTOPHER ; BEHRINGER FRED J ; DREW JEFFREY M ; GILL RICHARD P ; MCINERNEY HENRY F

Inventor(s): (std): BEHRINGER FRED J ; BEHRINGER FRIEDRICH J ; BEHRINGER FRIEDRICH J AND ; DREW JEFFREY M ; DREW SWANSON ; MCINERNEY HENRY F ; MILLER PETER ; PETER VIG RAKESH SELINFREUND R ; VIG RAKESH SELINFREUND RICHARD MILLER PETER ; VIG RAKESH MILLER PETER SWANSON DREW ; SELINFREUND H ; RICHARD SELINFREUND ; RICHARD L SELINFREUND ; RAKESHI VIG ; RAKESH VIG ; PETER MILLER ; MCINERNEY F ; GILL P ; DREW M ; BEHRINGER J ; PHILIPS J CHRISTOPHER ; SELINFREUND RICHARD ; SELINFREUND RICHARD H ; SELINFREUND RICHARD L ; SWANSON DREW ; VIG RAKESH ; VIG RAKESHI ; GILL RICHARD P ; HENRY F MCINERNEY

Inventor(s): JEFFREY M DREW ; SELINFREUD RICHARD ; RICHARD H SELINFREUND ; RICHARD P GILL ; FRED J BEHRINGER

Agent(s): DAVIES COLLISON CAVE PTY LTD; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; OGILVY RENAULT; SMART AND BIGGAR; NAKAMURA GIHEI; ITOH HIDEHIKO; HORII YUTAKA; MORITA TOSHIO; MORISHITA HACHIRO; FUKAMI HISAO; WOLF GREENFIELD AND SACKS PC

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

64) Family number: 30048894 (US2003224219A)

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Title: PHOTOCROMIC, PHOTOCROMIC MATERIAL AND METHOD FOR MANUFACTURING THE SAME

Abstract: A photochromic includes a laminated film including a composite oxide film composed of at least two elements selected from the group consisting of Ti, Mn, Co, Ni, Zn, and Sn, and the group consisting of Mg, Al, and Si, respectively, and a transparent conductive film, wherein the light transmission property is changed be UV irradiation.

Classifications:

International (ipc 8-9): B32B7/02 B32B9/00 C09K9/00 C09K9/02 G02B5/23 G03C1/725 H01B1/02 (Advanced/Invention); B32B15/02 C09K9/02 (Advanced/Non-invention); B32B7/02 B32B9/00 C09K9/00 C09K9/02 G02B5/22 G03C1/72 H01B1/02 (Core/Invention); B32B15/02 (Core/Non-invention)

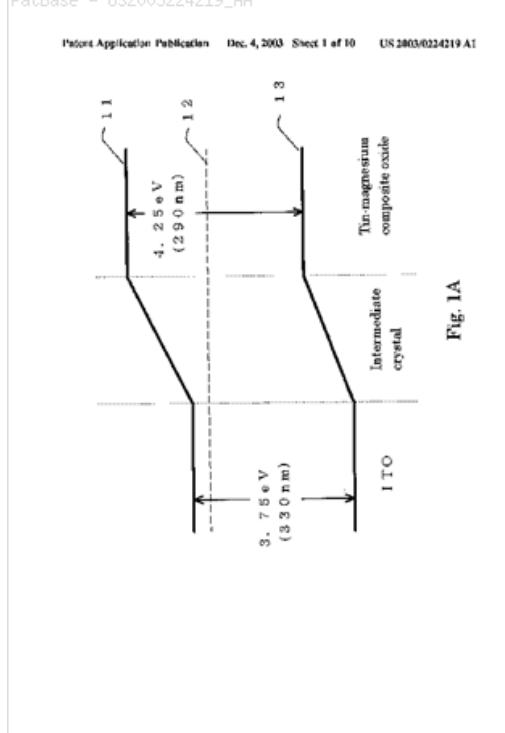
International (ipc 1-7): B32B7/02 B32B9/00 C09K9/00 C09K9/02 G03C1/725

CPC: Y10S428/913 C09K9/00 Y10T428/25 Y10T428/256

European: C09K9/00

US: 204/192.1 252/518.1 252/520.1 252/582 252/584 252/586 252/588 427/255.28 428/323 428/328 428/697 428/699 428/701 428/702 428/913

PatBase - US2003224219_AA



Family:

Publication number	Publication date	Application number	Application date
CN1257952 C	20060531	CN20031038514	20030530
CN1467261 A	20040114	CN20031038514	20030530
EP1367112 A2	20031203	EP20030253428	20030530
EP1367112 A3	20061108	EP20030253428	20030530
JP2004050808 A2	20040219	JP20020348598	20021129
JP4188672 B2	20081126	JP20020348598	20021129
KR20030094035 A	20031211	KR20030034657	20030530
TW200404886 A	20040401	TW20030113461	20030519
TWI242598 B	20051101	TW20030113461	20030519
US2003224219 AA	20031204	US20030438951	20030515
US2006151757 AA	20060713	US20060369789	20060307
US7041392 BB	20060509	US20030438951	20030515
US7335322 BB	20080226	US20060369789	20060307

Priority:

JP20020159484 20020531 JP20020348598 20021129 US20030438951 20030315
US20030438951 20030515 US20060369789 20060307

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

US: 362/101 362/253 362/276 362/802 362/806

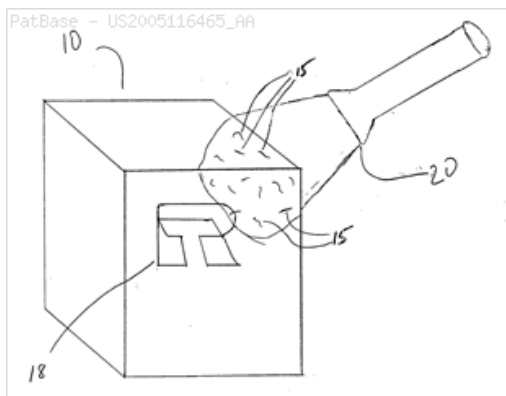


CRC: B41M3/14 B65D5/4213 B65D5/4216 B65D79/00 B65D3301/00

B65D2203/00 D21H21/40 G09F3/0294 Y10T428/1303 B32B27/306
B32B2553/00 B32B29/00 G09F23/00 B32B3/28 B32B2329/00
B32B27/10

European: B32B27/10 B32B29/00 B65D5/42E B65D5/42E1
B65D79/00 D21H21/40 G09F23/00 G09F3/02D3 L41M3/14
L65D201/00 L65D203/00

US: 283/74 283/74P 283/81 283/81P 428/34.2 428/34.200S



Family:

Publication number	Publication date	Application number	Application date
US2005116465 AA	20050602	US20040961866	20041007
US2005269819 AA	20051208	US20050137083	20050525
WO05035258 A2	20050421	WO2004US33539	20041007
WO05035258 A3	20050602	WO2004US33539	20041007

Priority:

US20030509177P 20031007 US20040961866 20041007 US20050137083 20050525

Probable Assignee: ROCK TENN SHARED SERVICES LLC

Assignee(s): (std): ROCK TENN CO ; CHAMBERS JAMES D

Assignee(s): MUSCAT ROBERT G ; ROCK TENN COMPANY ; ROCK TENN CONVERTING CO ; ROCK TENN SHARED SERVICES LLC ; WACHOVIA BANK NATIONAL ASSOCIATION ADMINISTRATIVE ; WACHOVIA BANK NATIONAL ASSOCIATION COLLATERAL AGEN ; WACHOVIA BANK NATIONAL ASSOCIATION AS ADMINISTRATI ; WACHOVIA BANK NATIONAL ASSOCIATION AS COLLATERAL A ; WACHOVIA BANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS ; WACHOVIA BANK NATIONAL ASSOCIATION COLLATERAL AGENT AS

Inventor(s): (std): MUSCAT ROBERT G ; CHAMBERS JAMES D

Inventor(s): CHAMBERS JAMES ; MUSCAT ROBERT

Agent(s): JOHN S PRATT ESQ KILPATRICK STOCKTON 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 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

67) Family number: 40901912 (US2007284333A)

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Title: EFFECTIVE AGING TAG FOR WINE

Abstract: A tag is configured to irreversibly indicate an effective maturity of a wine. For example, a tag may include a substrate, an indicator attached to the substrate, and a decal associated with the indicator to indicate an effective maturity of a wine. The indicator may be configured to irreversibly indicate a temperature history.

Classifications:

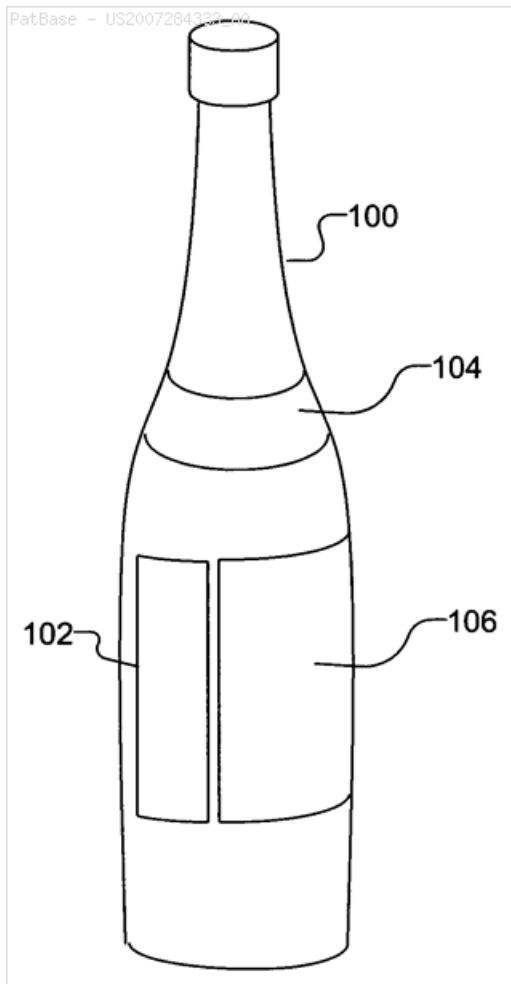
International (IPC 8-9): B65D23/12 G06F17/00 G06Q30/00
G07G1/14 (Advanced/Invention);

B65D23/00 G06F17/00 G06Q30/00 G07G1/14 (Core/Invention)

CPC: B65D79/02 B65D2203/02 C12H1/22 G09F3/0288
G09F2003/0273

European: B65D79/02 C12H1/22 G09F3/02C L65D203/02

US: 215/386

**Family:**

Publication number	Publication date	Application number	Application date
US2007284333 AA	20071213	US20060450799	20060609
WO07146659 A2	20071221	WO2007US70383	20070605
WO07146659 A3	20080619	WO2007US70383	20070605

Priority:

US20060450799 20060609

Probable Assignee: DUNNIGAN WILLIAM J**Assignee(s):** (std): DUNNIGAN WILLIAM J**Inventor(s):** (std): DUNNIGAN WILLIAM J**Agent(s):** LARSON NEWMAN ABEL POLANSKY AND WHITE LLP

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

68) Family number: 41845638 (US2008121816A)

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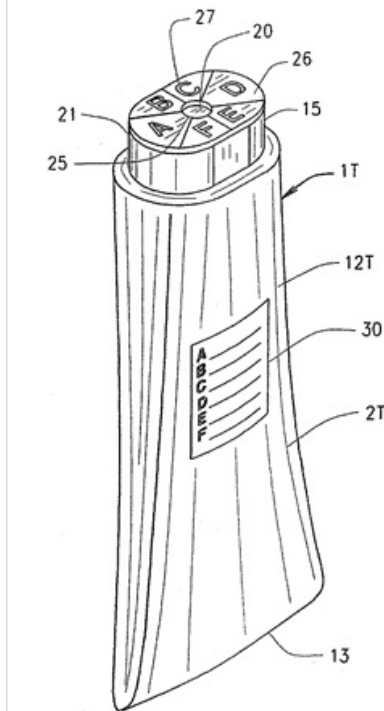
Title: ULTRAVIOLET RADIATION GAUGE

Abstract: An ultraviolet radiation gauge is provided. The gauge includes a UV light sensing element that changes color in accordance with the amount of incident ultraviolet radiation. A scale element is provided for matching the color of the light sensing element. Indicia is provided to coordinate the matched color to an information chart that can provide instructions on actions to be taken depending upon the amount of sensed ultraviolet radiation.

Classifications:

International (IPC 8-9): G01N21/00 (Advanced/Invention);
G01N21/00 (Core/Invention)

CPC: G01J1/429 G01J1/50 G01N21/33**European:** G01J1/42V G01J1/50 G01N21/33**US:** 250/474.1

**Family:**

Publication number	Publication date	Application number	Application date
US2008121816 AA	20080529	US20060563273	20061127

Priority:

US20060563273 20061127

Probable Assignee: BLACK GOLD ARCHERY LLC**Assignee(s):** (std): ELLIG MICHAEL J**Assignee(s):** MONTANA BLACK GOLD ; ANTARES CAPITAL LP US AGENT AS ; BLACK GOLD ARCHERY LLC**Inventor(s):** (std): ELLIG MICHAEL J**Agent(s):** HUSCH BLACKWELL SANDERS LLP**69) Family number: 43474529 (US2009166427A)**

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Title: AUTHENTICATION/SECURITY LABELS AND ASSOCIATED METHOD CONTAINING PHOTOCHROMIC INKS**Abstract:** An authentication label and associated method are disclosed that can be covert most of the time and made to be overt only during times immediately before, during, and/or after reading of the label by a reader. The label contains a photochromic ink.**Classifications:****International (IPC 8-9):** G06K19/00 G06K7/12 (Advanced/Invention);
G06K19/00 G06K7/12 (Core/Invention)**CPC:** G07D7/003 G06K7/10792 G06K7/10861 G06K7/12 G06K19/06046**European:** G06K19/06C5 G06K7/10S8 G06K7/10S9E G06K7/12 G07D7/12P**US:** 235/468 235/468P 235/487 235/487S**Family:**

Publication number	Publication date	Application number	Application date
US2009166427 AA	20090702	US20080286412	20080930

Priority:

US20070016827P 20071227 US20080286412 20080930

Probable Assignee: CHAMBERS JEFFREY ALLEN**Assignee(s):** (std): CHAMBERS JEFFREY ALLEN**Inventor(s):** (std): CHAMBERS JEFFREY ALLEN**Agent(s):** E I DU PONT DE NEMOURS AND COMPANY,LEGAL PATENT RECORDS CENTER; E I DU PONT DE NEMOURS AND CO LEGAL PATENT RECORDS CENTER**70) Family number: 51416977 (US2012168333A)**

© PatBase

Title: BOTTLE WITH PHOTOCHROMIC CAP FOR DETECTING SUNLIGHT**Abstract:** A sunscreen container has a photochromic cap that changes color when exposed to sunlight. The sunscreen container includes (i) a container body having an opening, the container body configured to receive sunscreen therein; (ii) a cap configured to cover an opening of the container body, the cap comprising a photochromic material, the cap having a color that changes when exposed to ultraviolet radiation; and (iii) a color-coded index mounted on the container body, the index having: (A) indicia that correspond to a plurality of color intensities of the cap; and (B) corresponding indicia that

correspond to respective ultraviolet light intensities, e.g., low, severe, and extreme.

Classifications:

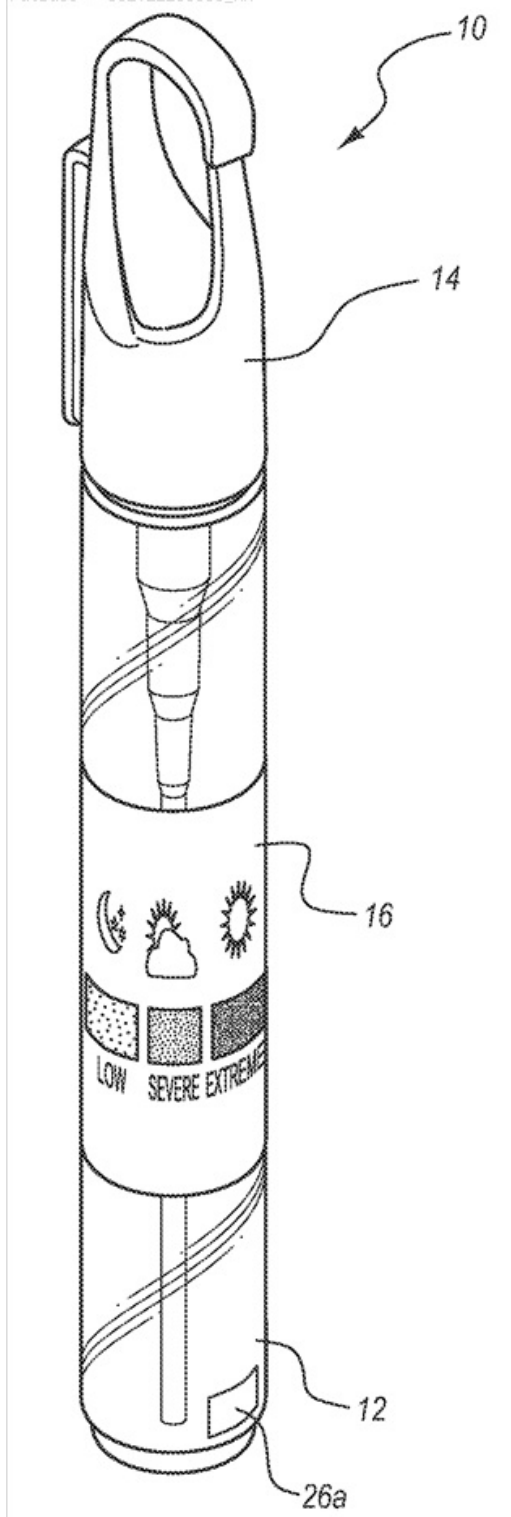
International (IPC 8-9): B65D85/00 (Advanced/Invention)

CPC: A45D34/00 A45D34/04 A45D40/00 A45D2200/052
A45D2200/15

European: A45D34/00 A45D40/00 K45D200/05D K45D200/15
K45D34/04

US: 206/459.1 206/459.100P

PatBase - US2012168333_AA



Family:

Publication number	Publication date	Application number	Application date
US2012168333 AA	20120705	US20110340060	20111229

Priority:

US20100428764P 20101230 US20110340060 20111229

Probable Assignee: SNUGZ USA INC

Assignee(s): (std): BURDETTE BARTON A ; MACKAY BRANDON R ; SNUGZ USA INC

Inventor(s): (std): BURDETTE BARTON A ; MACKAY BRANDON R

71) Family number: 55882188 (US2014055264A)

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Title: THEFT DETECTION SYSTEM

Abstract: A theft detection system is provided. In one embodiment, the theft detection system includes a theft detection device configured to be coupled to a product to detect theft of the product. In one embodiment, the theft detection system also includes a deactivator configured to emit a signal including a predetermined code. In one embodiment the theft detection

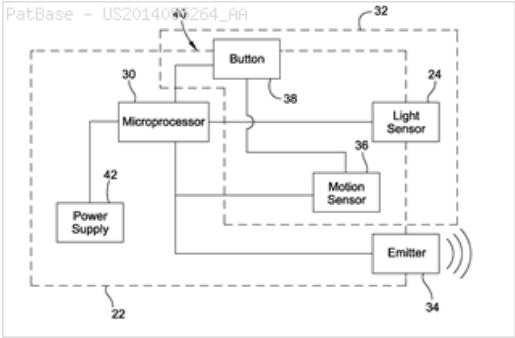
device includes a sensor configured to receive a signal, and, if the signal includes the predetermined code, to deactivate the theft detection device.

Classifications:

International (IPC 8-9): G08B13/00 G08B13/14 G08B13/22 G08B13/24 G08B21/18 (Advanced/Invention)

CPC: G08B13/14 G08B13/2465 G08B13/1436 G08B13/1481

US: 340/568.1



Family:

Publication number	Publication date	Application number	Application date
EP2888724 A1	20150701	EP20130831043	20130820
EP2888724 A4	20160420	EP20130831043	20130820
US201405264 AA	20140227	US20120591040	20120821
WO14031664 A1	20140227	WO2013US55829	20130820

Priority:

US20120591040 20120821 WO2013US55829 20130820

Probable Assignee: SOUTHERN IMP INC

Assignee(s): (std): VALIULIS THOMAS E ; SOUTHERN IMP INC ; MAN CHAN CHOR

Assignee(s): SOUTHERN IMP LLC ; ANTARES CAPITAL LP AGENT AS ; JPMORGAN CHASE BANK NA

Inventor(s): (std): MAN CHAN CHOR ; VALIULIS THOMAS E

Agent(s): PRONOVEM; BAIMA 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 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

72) Family number: 57425005 (US2014262897A) © PatBase

Title: CONTAINER WITH A MEDAL

Abstract: A container may include a wall and a medal retained to the wall by container material of integral one-piece construction with the wall and extending over at least a portion of the medal. The medal and one or more portions of the container adjacent the medal have a shared unique appearance. A package may include a flaccid loop coupled between a closure and a container to which the closure is coupled, and a medal coupled to the flaccid loop.

Classifications:

International (IPC 8-9): A44C3/00 B23P11/00 B65D1/02 B65D23/14 B65D41/32 B65D43/02 B65D51/24 B65D55/02 B65D55/06

B65D79/02 G06K7/00 G09F3/02 (Advanced/Invention);

B65D23/14 B65D51/24 B65D55/02 (Core/Invention)

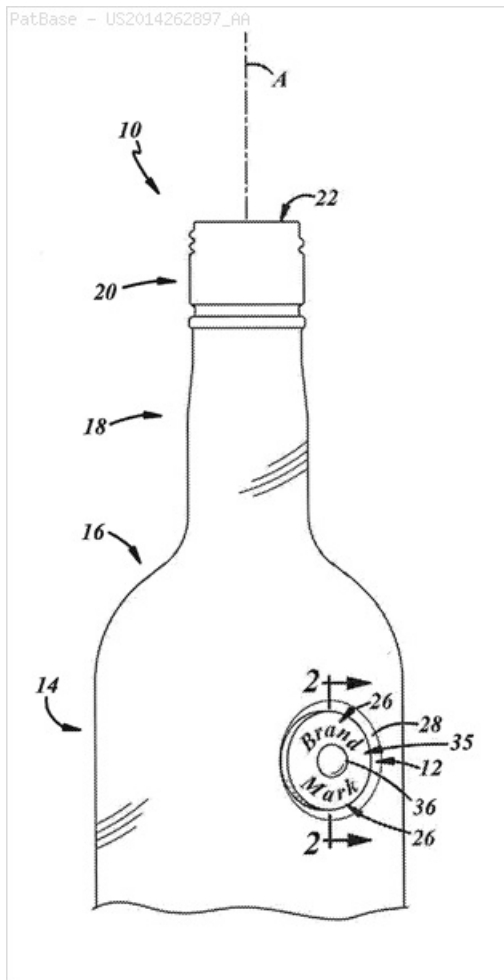
CPC: B65D23/14 B65D79/02 B23P11/00 G06K7/0008 B65D51/248

B65D55/024 B65D55/026 B65D55/06 B65D2101/00 B65D2101/0023

B65D2101/0084 B65D43/02 B65D1/02 Y10T29/49876 Y10T29/49913

Y10T29/49925

US: 206/459.1 206/459.5 29/453 29/508 29/515

**Family:**

Publication number	Publication date	Application number	Application date
AR095591 AA	20151028	AR2014P101216	20140317
AR107673 AB	20180523	AR2017P100420	20170220
AU2014237775 AA	20140925	AU20140237775	20140306
AU2014237775 BB	20171214	AU20140237775	20140306
AU2018200608 AA	20180208	AU20180200608	20180125
BR112015018497 A2	20170718	BR20151118497	20140306
CL2015002625 A1	20160916	CL20150002625	20150911
EP2969801 A1	20160120	EP20140714853	20140306
MX2015010544 A1	20151116	MX20150010544	20140306
NZ709660 A	20180727	NZ20140709660	20140306
PE14522015 A1	20150928	PE20150001842	20140306
SG10201708449Y A1	20171129	SG20171008449	20140306
SG11201505395Q A1	20150929	SG20151105395	20140306
TH158825 A	20161226	TH20151005060	20140306
TW201446605 A	20141216	TW20140109010	20140313
TWI618659 B	20180321	TW20140109010	20140313
US2014262897 AA	20140918	US20130832605	20130315
US2016311576 AA	20161027	US20160201870	20160705
US2018162596 AA	20180614	US20180891735	20180208
US9637271 BB	20170502	US20130832605	20130315
US9919840 BB	20180320	US20160201870	20160705
WO14149803 A1	20140925	WO2014US20992	20140306

Priority:

US20130832605 20130315 AU20140237775 20140306 WO2014US20992 20140306
 US20160201870 20160705 AU20180200608 20180125 US20180891735 20180208

Probable Assignee: OWENS BROCKWAY GLASS CONTAINER INC**Assignee(s):** (std): OWENS BROCKWAY GLASS CONTAINER ; OWENS BROCKWAY GLASS CONTAINER INC**Inventor(s):** (std): BRYANT JESSICA ; BRYANT JESSICA R ; DOUGLAS LAIB ; JESSICA R BRYANT ; LAIB DOUGLAS ; ROGER P SMITH ; SMITH ROGER ; SMITH ROGER P ; SMITH SUSAN L ; SUSAN L SMITH**Agent(s):** SHELSTON IP; SHELSTON IP PTY LTD; JOHANSSON AND LANGLOIS LTDA; BLUMBACH ZINNGREBE; DREW AND NAPIER LLC; REISING ETHINGTON PC; SMITH SUSAN L**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: Liquid pourout fitment

Abstract: ABSTRACT OF THE DISCLOSURE

A liquid pourout fitment and closure combination, the latter being permanently attached to the neck of a bottle to provide a pilfer-proof package. The pourout fitment is made in two parts, the first part being received in the open mouth of the bottle, and the second part engaging the first part and including a skirt retained on the outer surface of the neck of the bottle by interfitting ridges and grooves on the inner surface of the skirt and the bottle neck. The fitment includes a ball check-valve permitting surge-free flow of fluid from the bottle, but which prevents refilling of the bottle. A means for venting the bottle is incorporated in the fitment so that pouring of contents from the bottle is accomplished with-out the usual gurgling and surging effect.

Classifications:

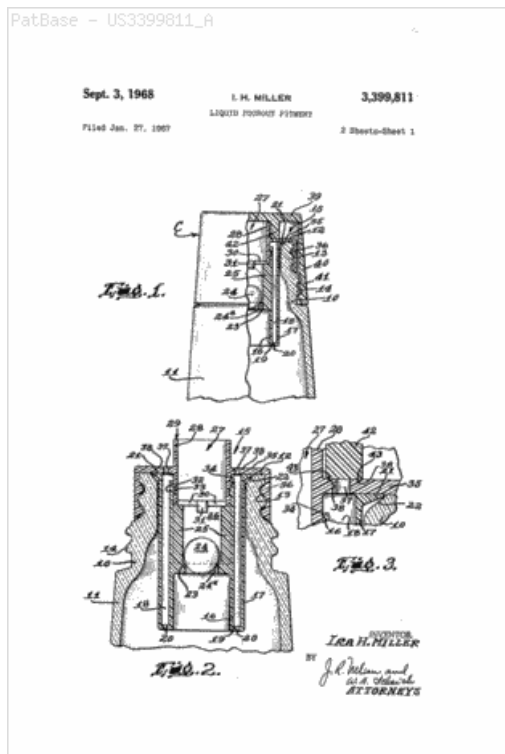
International (IPC 8-9): B65D49/04 (Advanced/Invention);
B65D49/00 (Core/Invention)

International (IPC 1-7): B65D49/00

CPC: B65D49/04

European: B65D49/04

US: 222/147 222/481 222/484 D9/440



Family:

Publication number	Publication date	Application number	Application date
US3399811 A	19680903	US19670612171	19670127

Priority:

US19670612171 19670127

Probable Assignee:

OWENS ILLINOIS INC

Assignee(s): (std):

OWENS ILLINOIS INC

Inventor(s): (std):

MILLER IRA H

Title: PLASTIC CLOSURE

Abstract: A closure is formed from a laminate or composite. The laminate is sufficiently flexible to permit it to assume the surface configuration of the rim of a closure without the need for a gasket. The laminate may include an upper layer which is rigid and a lower layer which is softer and has a lower softening temperature than the upper layer. An optional intermediate oxygen-impermeable layer such as ethylene vinyl alcohol can be included between the upper and lower layers. Preferably, the upper layer is a rigid material such as polyethylene terephthalate or polyvinyl chloride and the lower layer is a soft material such as linear low-density polyethylene. The upper layer provides the necessary strength, while the lower layer provides a tight seal on the rim of the container. The intermediate or bottom layer can also include an oxygen indicator which changes color upon exposure to oxygen.

Classifications:

International (IPC 8-9): B32B27/08 B65D51/14 B65D53/04

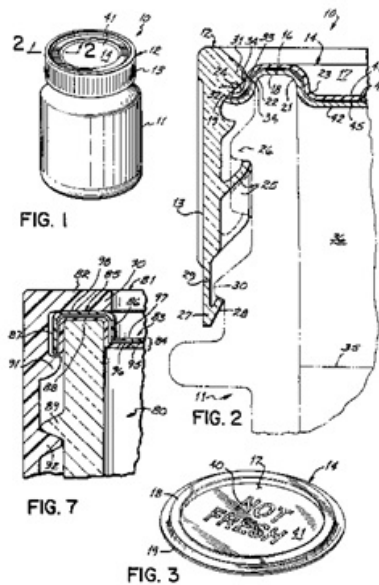
B65D79/02 (Advanced/Invention);
B32B27/08 B65D51/00 B65D53/00 B65D79/00 (Core/Invention)

International (IPC 1-7): B65D51/14 B65D53/04

CPC: B65D2101/0023 B32B27/08 B32B27/304 B32B27/306
B32B27/32 B32B27/36 B32B2307/7248 B32B2435/00 B65D51/145
B65D53/04 B65D79/02

European: B32B27/08 B65D51/14B B65D53/04 B65D79/02
L65D101/00A3

US: 215/230 215/276 215/347 215/349

**Family:**

Publication number	Publication date	Application number	Application date
AU199660094 A1	19970109	AU19960060094	19960607
GB9511706 A0	19950802	GB19950011706	19950609
US5839592 A	19981124	US19950488874	19950609
WO9641751 A1	19961227	WO1996GB01353	19960607

Priority:

GB19950011706 19950609 US19950488874 19950609 WO1996GB01353 19960607

Probable Assignee: ANCHOR HOCKING PACKAGING CO

Assignee(s): (std): METAL BOX PLC ; CARNAUDMETALBOX SA ; SAUNDERS CYRIL ; HAYES THOMAS ; ANCHOR HOCKING PACKAGING ; CARNAUDMETALBOX HOLDINGS USA ; CARNAUDMETALBOX NV

Assignee(s): CARNAUDMETALBOX PLC ; CARNAUDMETALBOX HOLDINGS USA INC ; CARNAUDMETALBOX N V ; ANCHOR HOCKING PACKAGING CO ; CHASE MANHATTAN BANK AS COLLATERAL AGENT ; CITICORP NORTH AMERICA INC ; CROWN CORK AND SEAL TECHNOLOGIES ; DEUTSCHE BANK AG ; CARNAUDMETALBOX S A ; CITICORP NORTH AMERICA INC COLLATERAL AGENT AS ; DEUTSCHE BANK NEW YORK BRANCH AGENT AG AS ; CHASE MANHATTAN BANK COLLATERAL AGENT AS ; CROWN PACKAGING TECHNOLOGY INC

Inventor(s): (std): HAYES THOMAS ; HAYES THOMAS H ; SAUNDERS CYRIL

Designated states: AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ 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