

**Search query (7):** [SP]: dual-mode anti-counterfeiting tag an nfc tag includes a foldable substrate in the form of a tape an antenna located at a first end of the tape a capacitor connected to the antenna, located at the first end of the tape an impedance, in particular a capacitor, located at a second end of the tape and conductive tracks running along the tape to connect the impedance to the antenna.

**Results:** 32

### Search history

Search PN=(WO2016207549) (Results 1)

1:

Search [SP]: bottle including a safety corkingthe present disclosure provides a bottle that includes a body having a neck at a top end. the neck of  
2: the bottle ends in an aperture for receiving a cork/plug. the bottle further includes a security closure that includes a security label having a first portion adhered to the cork and a second portion adhered onto the neck of the bottle. a cap at least partially covers the cork and the neck of the bottle. the cap partially covers the security label. the security label further includes: a bottom portion that extends beyond a bottom edge of the cap and carries a first readable code representing a unique identifier of the bottle and a top portion that is covered by the cap and adhered to the cork, and carries a second readable code representing a unique identifier of the cork/plug. (Results 0)

Search [SP]: 1. a bottle containing a beverage, such as an alcoholic beverage, said bottle comprising: a body having a neck on an upper end, the  
3: neck of the bottle ending with a mouth for receiving a plug and a safety corking comprising: a security label having a first part adhered to the plug and a second part adhered on the neck of the bottle and a cover covering at least partially the plug and at least one part of the neck of the bottle, said cover further covering at least one part of the security labelwherein the security label further includes:a lower portion projecting from a lower edge of the cover and bearing a first readable code representing a unique identifier of the bottle and an upper portion covered by the cover, the upper portion being adhered to the plug and bearing a second readable code representing a unique identifier of the plug.2. the bottle according to claim 1, wherein the upper portion of the security label is adhered to an upper surface of the plug.3. the bottle according to claim 1, wherein the upper portion of the security label is adhered to a lateral surface of the plug.4. the bottle according to claim 1, wherein at least one portion of the security label is modified by a color change when the security label is detached.5. the bottle according to claim 1, wherein the cover is a metallic cap adhered to the neck of the bottle with a safety adhesive.6. the bottle according to claim 1, wherein the cover is made of a shrinkable sleeve made of a heat-shrinkable plastic material.7. the bottle according to claim 6, wherein the shrinkable sleeve is adhered to the neck of the bottle with a safety adhesive.8. the bottle according to claim 1, wherein the security label further includes a pre-rupture area proximate the mouth of the bottle, wherein the pre-rupture area is a precut line.9. the bottle according to claim 1, wherein a marking is etched at the interface between the cover and the neck of the bottle, such that a part of said marking is etched in the cover, the other part being etched in the bottle.10. the bottle according to claim 9, wherein the marking is etched by a laser.11. the bottle according to claim 1, wherein the first readable code remains readable even after detachment of the lower portion of the security label.12. the bottle according to claim 1, wherein the second readable code remains readable even after detachment of the upper portion of the security label.13. the bottle according to claim 1, wherein at least one of the first readable code and the second readable code is a two-dimensional optically readable code.14. the bottle according to claim 13, wherein the two-dimensional optically readable code is a qr code or a datamatrix code.15. the bottle according to claim 1, wherein the security label includes a radio frequency identification system.16. the bottle according to claim 15, wherein the radio frequency identification system includes an electronic chip and an antenna, the antenna being arranged such that the first opening of the plug causes the rupture of the antenna.17. a checking system to check authenticity of the bottle according to claim 1, the checking system comprising: a server including a database, the database including data relating to, for each bottle, a unique identifier of the bottle and a unique identifier of the plug associated to the bottle.18. the system according to claim 17, wherein the database of the server is remotely accessible and the server is configured to transmit data relating to the bottle in response to a request including the first readable code corresponding to said bottle.19. the system according to claim 18, wherein the database is remotely accessible from a portable apparatus.20. the system according to claim 17, wherein the server is configured to transmit data confirming the authenticity of the bottle in response to a request including the first and second readable codes of said bottle. (Results 0)

Search [SP]: cross-reference to related applications[0001] this application is a continuation of international application no. pct/fr2016/051530, filed  
4: on jun. 22, 2016, which claims priority to and the benefit of fr 15/55703 filed on jun. 22, 2015. the disclosures of the above applications are incorporated herein by reference.field[0002] the present disclosure relates to the field of beverage containers, and more particularly to a bottle intended to contain a beverage, in particular an alcoholic beverage.background[0003] the statements in this section merely provide background information related to the present disclosure and may not constitute prior art.[0004] the production and marketing costs of high-quality alcoholic beverages, such as spirits, result in high sale prices. these high prices generate, as is often for luxury goods, fraud as well as acts of counterfeiting. thus, there is regularly observed the apparition on the market of counterfeit bottles, that is to say having the external apparition of an authentic bottle, but filled with a bad quality beverage, much less than the quality of the original product. this phenomenon of counterfeiting is in particular important for high quality spirits, such as cognac for example.[0005] for economic, safety and brand image reasons, the concerned producers are vigorously fighting against these acts of fraud and counterfeiting. this fight results in particular in the manufacture of bottles including increasingly advanced anti-counterfeiting devices, aimed at preventing the exact reproduction of a bottle and/or its reuse. many solutions have been proposed for this purpose. these solutions generally consist in using secure plugs, the manufacture of which is expensive and complex.summary[0006] the present disclosure provides an anti-counterfeiting device for a bottle which has an improved safety level, and which is simple and inexpensive to implement. the present disclosure further provides information to the consumer before opening the bottle, in particular for the purpose of allowing the authentication of the bottle by the consumer.[0007] to this end, the present disclosure concerns a bottle intended to contain a beverage, such as an alcoholic beverage, said bottle including a body whose upper end includes a neck, the neck of the bottle ending with a mouth and receiving a plug, the bottle being provided with a safety corking, said safety corking including:[0008] a security label whose first part is adhered to the plug and whose second part is adhered to the neck of the bottle and[0009] a cover covering at least partially the plug and at least one part of the neck of the bottle, said cover also covering at least one part of the security label.[0010] the security label further includes:[0011] a lower portion projecting from a lower edge of the cover, and bearing a first code, for example an optically readable code, the first code being representative of a unique identifier of the bottle, and[0012] an upper portion, covered by the cover, adhered to the plug, and bearing a second code, for example an optically readable code, the second code being representative of a unique identifier of the plug.[0013] thus, by providing a security label disposed under the cover of the bottle, the security label is protected and the access to said security label involves unsealing the cap. in an advantageous form of the present disclosure, the cover is adhered to the bottle, which provides an additional protection. furthermore, the present disclosure has the advantage of being adapted to any type of bottles and plugs, without modification. in an advantageous form of the present disclosure, the presence of the first and second codes allow certainly authenticating a bottle, and, also, providing that its content cannot be modified or exchanged fraudulently. indeed, when these codes correspond respectively to a unique identifier of the bottle and to a unique identifier of the plug, these two codes may be associated in a database updated by the producer of the beverage. the checking, by the consumer, of the correspondence between the first and second codes allows authenticating the concerned bottle. the arrangement of the second code, masked under the cover and consequently invisible before the tearing of the cover prior to the first opening of the bottle, allows increasing the safety of the corking and limiting any possibility of fraud. furthermore, when the second code is representative of a unique identifier of the plug, the reconstitution of fraudulent bottles with recovery plugs is inhibited.[0014] in one form of the present disclosure, the top portion is adhered to an upper surface of the plug.[0015] in another form, the upper portion is adhered to a lateral surface of the plug.[0016] in another form, at least one portion of the security label is definitively modified in case of detachment, for example by a color change.[0017] in another form, the cover is a metal cap adhered to the neck of the bottle in one form by a safety adhesive.[0018] in another form, the cover is made of a shrinkable sleeve, in particular a sleeve made of a heat-shrinkable plastic material.[0019] in another form, the shrinkable sleeve is adhered to the neck of the bottle in one form by a safety adhesive.[0020] in another form, the security label includes in the vicinity of the mouth a pre-rupture area, such as a precut line.[0021] in another form, a marking is etched at the interface between the cover and the neck of the bottle, such that a part of said marking is etched in the cover, the other part being etched in the bottle.[0022] in another form, the marking is etched by a laser.[0023] in another form, the first code remains readable even after detachment of the lower portion of the security label.[0024] in another form, the second code remains readable even after detachment of the upper portion of the security label.[0025] in another form, the first and/or the second code(s) is(are) a two-dimensional optically readable code(s), for example a qr type code or a datamatrix type code.[0026] in another form, the security label includes a radio frequency identification system.[0027] in another form, the radio frequency identification system includes an electronic chip and an antenna, the antenna being arranged such that the first opening of the plug causes the rupture of the antenna.[0028] the present disclosure also concerns a checking system of the authenticity of a bottle containing a drink, said bottle being as defined above, the system including a server including a database, the database including data relating to the manufactured bottles, these data including in particular, for each bottle, a unique identifier of the bottle and a unique identifier of the plug associated to this bottle[0029] in one form, the database included in the server is remotely accessible, for example from a portable apparatus, such as a mobile phone, the server being configured to transmit data relating to a bottle in response to a request including the first corresponding to said bottle.[0030] in another form, the server is configured to transmit data allowing confirming the authenticity of a bottle, in response to a request including the first and second codes of said bottle.[0031] further areas of applicability will become apparent from the description provided herein. it should be understood that the description and specific examples are intended for purposes of illustration only and are

not intended to limit the scope of the present disclosure. drawings[0032] in order that the disclosure may be well understood, there will now be described various forms thereof, given by way of example, reference being made to the accompanying drawings, in which: [0033] fig. 1 shows a bottle in accordance with the teachings of the present disclosure [0034] fig. 2a is a partial side view of the bottle of fig. 1 after removal of an upper part of a cover and before a first opening of a plug [0035] fig. 2b is a partial top perspective view of the bottle of fig. 1 after removal of an upper part of a cover and before a first opening of a plug [0036] fig. 3 is a partial side view of the bottle of fig. 1 after a first opening of a plug and [0037] fig. 4 is a partial side view of a variant of a bottle according to the present disclosure. [0038] the drawings described herein are for illustration purposes only and are not intended to limit the scope of the present disclosure in any way. detailed description [0039] the following description is merely exemplary in nature and is not intended to limit the present disclosure, application, or uses. it should be understood that throughout the drawings, corresponding reference numerals indicate like or corresponding parts and features. [0040] fig. 1 shows a bottle 1 in accordance with the present disclosure. the bottle 1, for example a glass bottle, is adapted to receive all types of beverage, and more particularly alcoholic beverages such as wines or spirits. it is shown in fig. 1 as put on the market, that is to say prior to any opening by a consumer. [0041] conventionally, the bottle 1 includes a body 10, whose lower part ends with a bottom 11, and whose upper part ends with a neck 12. the neck 12 includes, in the upper part, an opening closed by a plug 14 (fig. 2), the assembly of the neck 12 and the plug 14 being covered by a cover 13, in the example, a metallic cap 13. the cap 13 includes a lower port (Results 0)

Search [SP]: drawings[0032] in order that the disclosure may be well understood, there will now be described various forms thereof, given by way of  
5: example, reference being made to the accompanying drawings, in which: [0033] fig. 1 shows a bottle in accordance with the teachings of the present disclosure [0034] fig. 2a is a partial side view of the bottle of fig. 1 after removal of an upper part of a cover and before a first opening of a plug [0035] fig. 2b is a partial top perspective view of the bottle of fig. 1 after removal of an upper part of a cover and before a first opening of a plug [0036] fig. 3 is a partial side view of the bottle of fig. 1 after a first opening of a plug and [0037] fig. 4 is a partial side view of a variant of a bottle according to the present disclosure. (Results 173)

Search fn=(64487774:250 or 55140981:100 or 20535084:100 or 62056077:90 or 62004469:90 or 60906454:90 or 33282365:85 or 53310259:80  
6: or 42987119:80 or 42780914:80 or 34022670:80 or 33544175:80 or 33541846:80 or 32159413:80 or 18081709:80 or 15563009:80 or 69262750:70 or 67231288:70 or 63551517:70 or 62633649:70 or 62152453:70 or 60959410:70 or 57425005:70 or 53727795:70 or 42113669:70 or 41515945:70 or 34554817:70 or 34353123:70 or 33542838:70 or 33542629:70 or 33541862:70 or 32618500:70 or 32433161:70 or 32287363:70 or 32097787:70 or 31959217:70 or 30563599:70 or 30350740:70 or 29588663:70 or 25564682:70 or 19320738:70 or 18929170:70 or 18751054:70 or 18692084:70 or 11478088:70 or 8454555:70 or 8071733:70 or 7778533:70 or 6661682:70 or 6175764:70 or 4452390:70 or 3198317:70 or 2519065:70 or 33275632:65 or 31731050:65 or 67366215:60 or 65134533:60 or 62244676:60 or 61600946:60 or 59602965:60 or 57945635:60 or 57267709:60 or 56778470:60 or 56490419:60 or 55705995:60 or 54948865:60 or 54937714:60 or 52811291:60 or 50475287:60 or 46711400:60 or 46560495:60 or 43608233:60 or 43608170:60 or 43248456:60 or 42049415:60 or 41950671:60 or 40902233:60 or 36084994:60 or 33805633:60 or 32301295:60 or 32007569:60 or 31980761:60 or 30888567:60 or 26835609:60 or 23521644:60 or 23314427:60 or 21237180:60 or 20648031:60 or 20421161:60 or 18158687:60 or 12956898:60 or 12707644:60 or 11489879:60 or 8813914:60 or 8397104:60 or 4290908:60 or 3760173:60 or 1882434:60 or 43651162:55 or 41745246:55) (Results 100)

Search [SP]: dual-mode anti-counterfeiting tag an nfc tag includes a foldable substrate in the form of a tape an antenna located at a first end of  
7: the tape a capacitor connected to the antenna, located at the first end of the tape an impedance, in particular a capacitor, located at a second end of the tape and conductive tracks running along the tape to connect the impedance to the antenna. (Results 32)

**Title:** BOTTLE INCLUDING A SAFETY CORKING

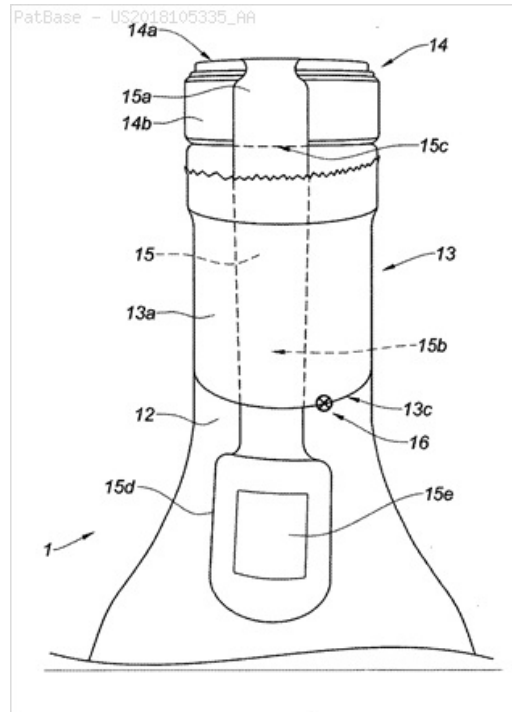
**Abstract:** The present disclosure provides a bottle that includes a body having a neck at a top end. The neck of the bottle ends in an aperture for receiving a cork/plug. The bottle further includes a security closure that includes a security label having a first portion adhered to the cork and a second portion adhered onto the neck of the bottle. A cap at least partially covers the cork and the neck of the bottle. The cap partially covers the security label. The security label further includes: a bottom portion that extends beyond a bottom edge of the cap and carries a first readable code representing a unique identifier of the bottle; and a top portion that is covered by the cap and adhered to the cork, and carries a second readable code representing a unique identifier of the cork/plug.

### Classifications:

**International (IPC 8-9):** B65D B65D1/02 B65D39/00 B65D41/62  
B65D50/00 B65D55/02 B65D55/06 B65D55/08  
G06K19/00 (Advanced/Invention)

**CPC:** B65D2203/02 B65D39/0005 B65D55/026 B65D55/0854  
B65D2203/10 B65D41/62 B65D55/06

**US:** 340/572.1 340/572.3 340/572.8 705/317



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| BR112017025371 A2  | 20180807         | BR20171125371      | 20160622         |
| CN107743472 A      | 20180227         | CN201680035034     | 20160622         |
| CO20170012567 A2   | 20180131         | CO20170012567      | 20171206         |
| EP3310682 A1       | 20180425         | EP20160741355      | 20160622         |
| FR3037570 A1       | 20161223         | FR20150055703      | 20150622         |
| FR3037570 B1       | 20180629         | FR20150055703      | 20150622         |
| HK1249087 A1       | 20181026         | HK20180108831      | 20180709         |
| IN201717043707 A   | 20180302         | IN201717043707     | 20171206         |
| SG11201710772R A1  | 20180130         | SG20171110772      | 20160622         |
| US2018105335 AA    | 20180419         | US20170844747      | 20171218         |
| US10112754 BB      | 20181030         | US20170844747      | 20171218         |
| WO16207549 A1      | 20161229         | WO2016FR51530      | 20160622         |

**Priority:**

FR20150055703 20150622      WO2016FR51530 20160622      US20170844747 20171218

**Probable Assignee:** PERNOD RICARD

**Assignee(s):** (std): PERNOD RICARD

**Assignee(s):** RICARD PERNOD

**Inventor(s):** (std): JEAN FRANCOIS ROUCOU ; ROUCOU JEAN FRANCOIS

**Inventor(s):** ROUCOU JEAN FRANOIS

**Agent(s):** MARGARITA CASTELLANOS ABONDANO; GAILLARDE FREDERIC F CH; CABINET GERMAIN AND MAUREAU; WHD LTD ATTN MISS FIONA KO; BURRIS LAW PLLC

**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 PS QA QR 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 UB UG UZ VC VN ZA ZM ZW

**Title:** CRACK-RESISTANT COUNTERFEIT-PROOF LABEL

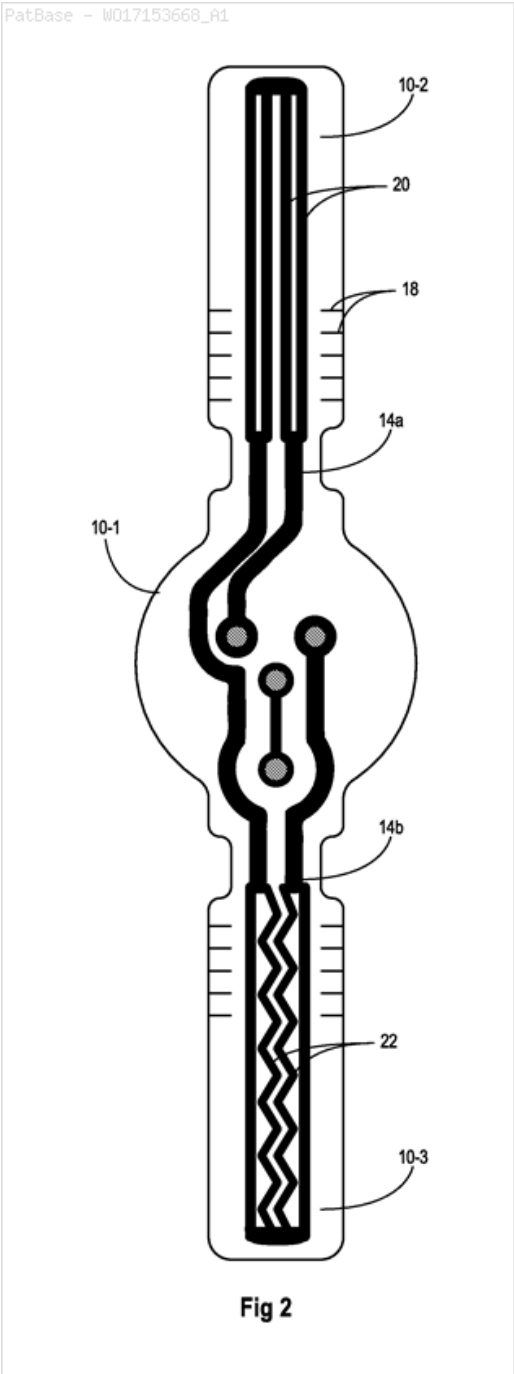
**Abstract:** The invention relates to a counterfeit-proof near-field magnetic coupling label comprising a sacrificial conductor path (14) that extends through a sacrificial region (10-2, 10-3) of the label. Each segment of the sacrificial path extending through the sacrificial region is longitudinally subdivided into a plurality of sub-segments (20) which are in electric contact with each other at the ends of the segment.

**Classifications:**

**International (IPC 8-9):** B65D55/06 G06K19/073 G06K19/077

H04B5/00 (Advanced/Invention)

**CPC:** H04B5/0062 G06K19/07381 G06K19/07798



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CN108713292 A      | 20181026         | CN201780015392     | 20170306         |
| FR3048836 A1       | 20170915         | FR20160052004      | 20160310         |
| FR3048836 B1       | 20180406         | FR20160052004      | 20160310         |
| WO17153668 A1      | 20170914         | WO2017FR50493      | 20170306         |

**Priority:**

FR20160052004 20160310 WO2017FR50493 20170306

**Probable Assignee:** INSIDE SECURE

**Assignee(s):** (std): INSIDE SECURE ; WISEKEY SEMICONDUCTORS

**Inventor(s):** (std): BOIRON GHISLAIN ; GASSEND NICOLAS ; GUIDET TANIA

**Inventor(s):** NICOLAS GASSEND ; TANIA GUIDET ; GHISLAIN BOIRON

**Agent(s):** OMNIPAT; DE JONG JEAN JACQUES ET AL

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

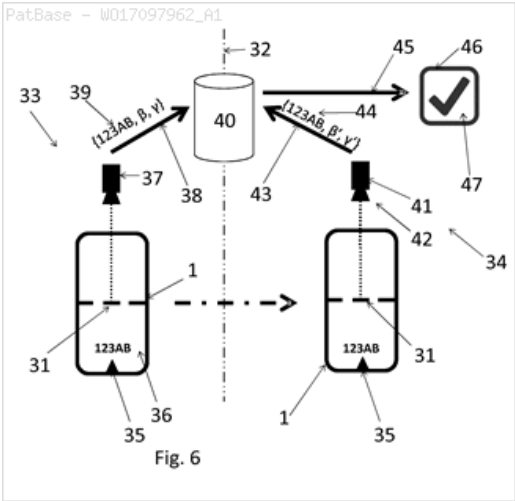
ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG  
MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC  
SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SEAL TAMPER DETECTION

Abstract: Method and system for confirming the integrity of a tamper- evident seal (1) based on a comparison of the value of at least one parameter describing the physical structure of a predetermined breaking point (31) provided in the seal (1), which value is determined from at least one captured image of the seal (1), with a pre-determined reference parameter value.

Classifications:

International (ipc 8-9): B65D55/08 G06T7/00  
G06T7/60 (Advanced/Invention)  
CPC: G06T7/0008 B65D55/0818 G06T7/60



Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CN108352066 A      | 20180731         | CN201680066683     | 20161209         |
| EP3179441 A1       | 20170614         | EP20150199607      | 20151211         |
| EP3387614 A1       | 20181017         | EP20160816618      | 20161209         |
| IN201837016418 A   | 20180622         | IN201837016418     | 20180501         |
| WO17097962 A1      | 20170615         | WO2016EP80399      | 20161209         |

Priority:

EP20150199607 20151211      WO2016EP80399 20161209

Probable Assignee: AUTHENTIC VISION GMBH

Assignee(s): (std): AUTHENTIC VISION GMBH

Inventor(s): (std): BERGMUELLER THOMAS ; BERGMULLER THOMAS ; WEISS THOMAS

Agent(s): SONN AND PARTNER PATENTANWALTE

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

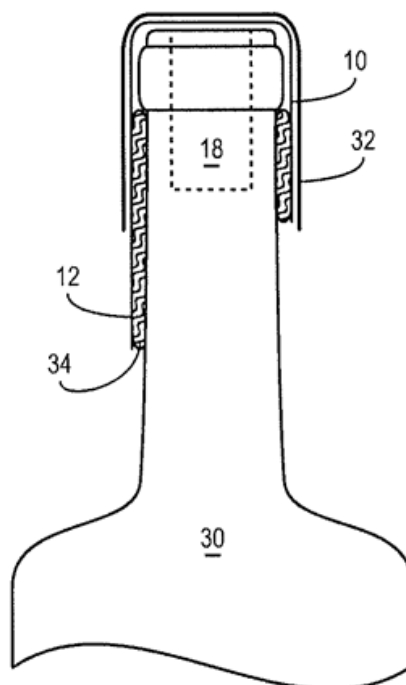
**Abstract:** A near field magnetically coupled contactless device, comprises a foldable substrate in the form of a tape; an antenna circuit tuned to a nominal frequency, including an antenna and a capacitor connected to the antenna; a sacrificial impedance connected to the antenna circuit to contribute to the tuning of the antenna circuit to the nominal frequency; and a sacrificial structure comprising a conductive track connecting the sacrificial impedance to the antenna circuit, configured in meanders occupying a region of interest of the substrate such that a piercing of the region of interest severs the conductive track.

**Classifications:**

**International (IPC 8-9):** B65D B65D1/02 B65D39/00 B65D55/02 B65D55/06 G06F21/30 G06K G06K19/06 G06K19/07 G06K19/073 G06K19/077 G08B13/00 G08B13/24 H04B H04B5/00 H04L9/32 (Advanced/Invention)

**CPC:** B65D2203/10 B65D39/0058 G08B13/2431 G06K19/07 B65D2555/02 B65D2539/008 G06K19/0739 B65D1/023 B65D39/0011 B65D55/06 G06K19/07381 H04B5/0062 B65D55/028 H04L9/32 G06K19/07798

PatBase - US2017183135\_AA



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CN106797235 A      | 20170531         | CN201580039692     | 20150518         |
| EP3146642 A1       | 20170329         | EP20150732027      | 20150518         |
| EP3146643 A1       | 20170329         | EP20150732028      | 20150518         |
| EP3146644 A1       | 20170329         | EP20150732308      | 20150518         |
| EP3146645 A1       | 20170329         | EP20150732309      | 20150518         |
| FR3021438 A1       | 20151127         | FR20140054571      | 20140521         |
| FR3021438 B1       | 20160624         | FR20140054571      | 20140521         |
| FR3021439 A1       | 20151127         | FR20140061751      | 20141201         |
| FR3021439 B1       | 20180202         | FR20140061751      | 20141201         |
| FR3021474 A1       | 20151127         | FR20140056328      | 20140702         |
| FR3021474 B1       | 20171201         | FR20140056328      | 20140702         |
| FR3021475 A1       | 20151127         | FR20140056330      | 20140702         |
| FR3021475 B1       | 20161014         | FR20140056330      | 20140702         |
| HK1237135 A1       | 20180406         | HK20170110798      | 20171024         |
| IN201637039803 A   | 20170421         | IN201637039803     | 20161122         |
| US2017183135 AA    | 20170629         | US20150312806      | 20150518         |
| US2017193347 AA    | 20170706         | US20150312689      | 20150518         |
| US2017195120 AA    | 20170706         | US20150312776      | 20150518         |
| US2017203895 AA    | 20170720         | US20150312685      | 20150518         |
| US9893889 BB       | 20180213         | US20150312776      | 20150518         |
| US9934460 BB       | 20180403         | US20150312689      | 20150518         |
| WO15177448 A1      | 20151126         | WO2015FR51289      | 20150518         |
| WO15177449 A1      | 20151126         | WO2015FR51290      | 20150518         |
| WO15177450 A1      | 20151126         | WO2015FR51291      | 20150518         |
| WO15177451 A1      | 20151126         | WO2015FR51292      | 20150518         |

**Priority:**

|               |          |               |          |               |          |
|---------------|----------|---------------|----------|---------------|----------|
| FR20140054571 | 20140521 | FR20140056328 | 20140702 | FR20140056330 | 20140702 |
| FR20140061751 | 20141201 | WO2015FR51289 | 20150518 | WO2015FR51290 | 20150518 |
| WO2015FR51291 | 20150518 | WO2015FR51292 | 20150518 |               |          |

**Probable Assignee:** WISEKEY SEMICONDUCTORS

**Assignee(s):** (std) INSIDE SECURE ; VAULT IC FRANCE ; WISEKEY SEMICONDUCTORS

**Inventor(s):** (std) PIC PIERRE ; GUIDET TANIA ; ENGUNT JEAN PIERRE ; DUBREUCQ MIKAEL ; BOIRON GHISLAIN

**Inventor(s):** GHISLAIN BOIRON ; JEAN PIERRE ENGUNT ; MIKAEL DUBREUCQ ; PIERRE PIC ; TANIA GUIDET

**Agent(s):** DE JONG JEAN JACQUES; OMNIPAT; ZHONGZI IP; OLIFF PLC; DE JONG JEAN JACQUES ET AL

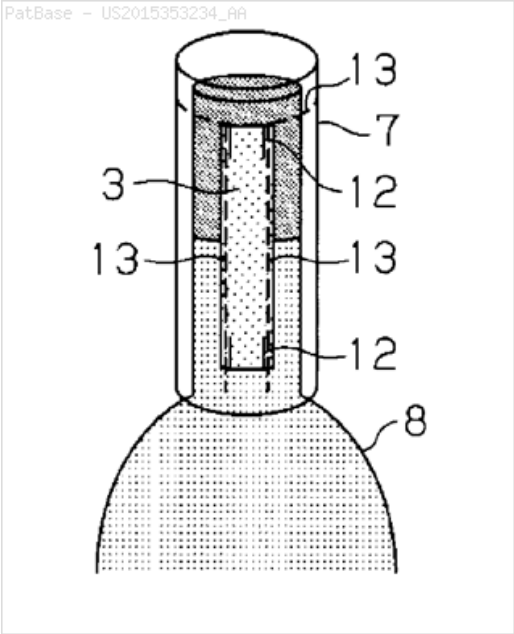
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MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG  
SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

**Title:** CONTAINER

**Abstract:** This container includes a container main body, an inlet including a substrate, an IC chip and an antenna, and a covering film that covers a part of an outer surface of the container main body and has a brittle part. The brittle part is a part easily torn by an external force than parts other than the brittle part in the covering film. At least a part of the inlet is positioned between the covering film and the outer surface of the container main body and adhered to the covering film. The brittle part covers at least a part of the antenna.

**Classifications:**  
**International (IPC 8-9):** B65D23/00 B65D25/02 B65D25/20 B65D55/08 G06K19/00 G06K19/04 G06K19/07 G06K19/077 G08B13/14 (Advanced/Invention)  
**CPC:** B65D25/02 G06K19/07758 G06K19/07798 B65D55/0818 B65D55/0854 B65D2101/00 B65D2203/10  
**US:** 206/216  
**JP F-Term:** 3E062 3E062/AA09 3E062/AB02 3E062/BA20 3E062/BB02 3E062/BB10 3E062/DA08 3E062/JA03 3E062/JA08 3E062/JB05 3E062/JC02 5B035  
**JP F-Index:** B65D25/20/P G06K19/04 G06K19/077/140 G06K19/077/152



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CN105009149 A      | 20151028         | CN201480009537     | 20140219         |
| EP2960834 A1       | 20151230         | EP20140754198      | 20140219         |
| EP2960834 A4       | 20161012         | EP20140754198      | 20140219         |
| JP2014129485 A1    | 20170202         | JP20150501470T     | 20140219         |
| JP6265203 B1       | 20180124         | JP20150501470T     | 20140219         |
| US2015353234 AA    | 20151210         | US20150827999      | 20150817         |
| US9617038 BB       | 20170411         | US20150827999      | 20150817         |
| WO14129485 A1      | 20140828         | WO2014JP53858      | 20140219         |

**Priority:**

JP20130029746 20130219      WO2014JP53858 20140219

**Probable Assignee:** TOPPAN PRINTING CO LTD

**Assignee(s):** (std): TOPPAN PRINTING CO LTD

**Assignee(s):** TOPPAN PRINTING CO

**Inventor(s):** (std): NAKABAYASHI TAKAMITSU ; YAGISHITA TOSHIAKI

**Agent(s):** HOFFMANN EITLE; ONDA HIRONORI; ONDA MAKOTO; FOLEY AND LARDNER LLP; ONDA MAKOTO ET AL

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

**Title:** METHOD, SYSTEM, AND APPARATUS FOR RFID REMOVAL DETECTION

**Abstract:** According to one exemplary embodiment, an apparatus, system and method for forming RFID labels is disclosed. The RFID labels can include an RFID chip, at least one antenna element and at least one conductive material. The RFID chip may then transmit desired signals based upon a coupling of the conductive material to the RFID chip.

**Classifications:**

**International (IPC 8-9):** E05B73/00 G06K19/02 G06K19/073

G06K19/077 G08B13/14 G08B13/24 G08B29/04

H05K13/04 (Advanced/Invention)

**CPC:** G08B13/2417 G06K19/07372 G06K19/07381 G06K19/07749

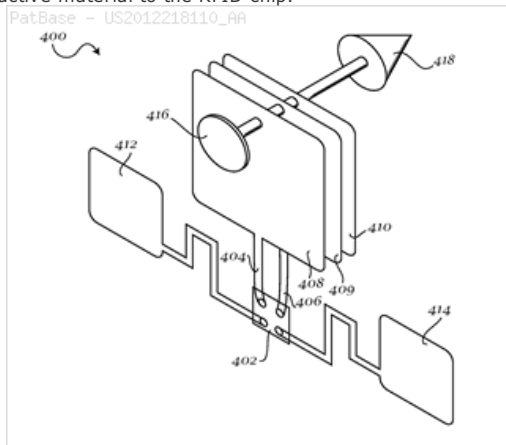
G08B13/2431 G08B13/2448 G08B29/046 Y10T29/49018

**European:** G08B13/24B1G1 G08B13/24B3C G08B13/24B3U

G08B29/04B

**US:** 235/488 235/488S 235/492 235/492S 29/601 29/601S

340/572.1 340/572.100P



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CN103493111 A      | 20140101         | CN201280019938     | 20120227         |
| CN103493111 B      | 20171208         | CN201280019938     | 20120227         |
| DE602012033194 D1  | 20170727         | DE201260033194T    | 20120227         |
| EP2678839 A1       | 20140101         | EP20120716109      | 20120227         |
| EP2678839 B1       | 20170607         | EP20120716109      | 20120227         |
| ES2637284 T3       | 20171011         | ES20120716109T     | 20120227         |
| IN07443DN2013 A    | 20150102         | IN2013DN07443      | 20130823         |
| US2012218110 AA    | 20120830         | US20110034899      | 20110225         |
| US8884764 BB       | 20141111         | US20110034899      | 20110225         |
| WO12138433 A1      | 20121011         | WO2012US26711      | 20120227         |

**Priority:**

US20110034899 20110225

EP20120716109 20120227

WO2012US26711 20120227

**Probable Assignee:** AVERY DENNISON CORP

**Assignee(s):** (std): AVERY DENNISON CORP ; FORSTER IAN J

**Assignee(s):** AVERY DENNISON PASADENA CORP

**Inventor(s):** (std): FORSTER IAN ; FORSTER IAN J

**Agent(s):** MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; MUELLER BORE AND PARTNER PATENTANWALTE; ELZABURU SLP ELZABURU SLP; AVERY DENNISON CORP; MAIER MICHAEL C 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

**Title:** ENHANCED IDENTIFICATION APPLIANCE

**Abstract:** An enhanced identification appliance, such as a wristband, bracelet, patch, headband, neckband, ankleband, legband, card, sticker, or other wearable appliance, may have a biometric sensor, chemical sensor, optical sensor, heat sensor, pressure sensor, humidity sensor, electromagnetic sensor, acoustic sensor, various opto-electronics and/or various security features such as tamper-evident and tamper-resistant features. The sensors may obtain information about the wearer such as a fingerprint, retina, iris, blood, DNA, genetic data, voice pattern, temperature and other characteristic. Security features include a fastener on the identification appliance, which indicates whether the appliance has been attached to a wearer and if so, enables circuit functions. If one tampers with the appliance, circuit functions may be disabled, certain data erased, and/or evidence of tampering made apparent. The appliance may monitor the location or determine the identity of passengers for an airplane, train, boat, bus, or other vehicle. Alternatively, the identification band may contain a person's immigration status.

**Classifications:**

**International (IPC 8-9):** A44C5/00 A61B5/117 B42D15/10 G01D1/18 G01D5/48 G06K17/00 G06K19/04 G06K19/06 G06K19/07 G06K19/073 G06K19/077 G06K19/10 G06K5/00 G06K7/00 H04L12/28 H04L12/56 (Advanced/Invention);

A61G99/00 G01V15/00 G06K17/00 G06K19/06 (Advanced/Non-invention);

A44C5/00 A61B5/117 B42D15/10 G06K17/00 G06K19/04 G06K19/06 G06K19/07 G06K19/073 G06K19/077 G06K19/10 G06K5/00 H04L12/28 H04L12/56 (Core/Invention);

A61G99/00 G01V15/00 (Core/Non-invention);

G06K (Subclass/Invention)

**International (IPC 1-7):** B42D15/10 G05B19/00 G06F7/00 G06K17/00 G06K19/06 G06K19/07 G06K19/073 G06K19/10 G06K5/00 G08B13/14 G08B23/00 H04Q1/00

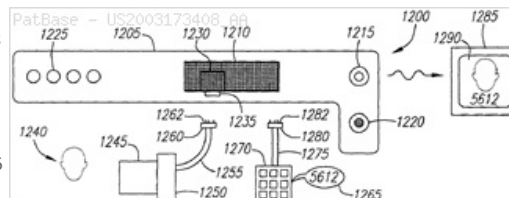
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**European:** A61B5/117 G01D1/18 G01D21/00 G06K19/04 G06K19/073 G06K19/073A8 G06K19/077T G06K19/077T3D G06K19/07E G06K19/07T H04W208/26 H04W4/187 H04W8/26 S06K17/00W4 T04W212/00 T04W284/12 T04W284/18 T04W50/065 T04W50/08 T04W6/00 T04W84/12 T04W84/18 T04W88/02

**US:** 235/375 235/435 235/439 235/486 235/492 235/492P 340/10.42 340/10.420P 340/5.61 340/5.610S 340/572.7 340/572.700S 340/572.8 340/572.800P 340/573.1 340/573.100P 40/633 40/633P

**JP F-Term:** 2C005 2C005/MA04 2C005/MB01 2C005/MB07 2C005/NA08 2C005/SA11 5B035 5B035/AA14 5B035/BA01 5B035/BB09 5B035/BC01 5B035/CA01 5B035/CA04 5B035/CA05 5B035/CA11 5B035/CA22 5B035/CA23 5B035/CA24 5B035/CA26 5B035/CA38 5B058 5B058/CA17 5B058/KA06 5B058/KA38

**JP F-Index:** B42D15/10/307 B42D15/10/521 B42D25/305/100 G06K17/00/F G06K17/00/L G06K17/00/V G06K19/00/H G06K19/00/J G06K19/00/P G06K19/00/S G06K19/04 G06K19/07/160 G06K19/073 G06K19/077/200 G06K19/077/228

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2003209353 AA    | 20031008         | AU20030209353      | 20030122         |
| AU2003209353 BB    | 20080904         | AU20030209353      | 20030122         |
| CA2478677 AA       | 20040903         | CA20032478677      | 20030122         |
| CA2478677 C        | 20081118         | CA20032478677      | 20030122         |
| CN100390805 C      | 20080528         | CN20038004550      | 20030122         |
| CN1639726 A        | 20050713         | CN20038004550      | 20030122         |
| EP1485856 A1       | 20041215         | EP20030707507      | 20030122         |
| EP1485856 A4       | 20080130         | EP20030707507      | 20030122         |
| EP1485856 B1       | 20171129         | EP20030707507      | 20030122         |
| IL163030 A0        | 20051120         | IL20030163030      | 20030122         |
| IN00946KN2004 A    | 20050923         | IN2004KN00946      | 20040706         |
| JP2005521162 T2    | 20050714         | JP20030579160T     | 20030122         |
| KR20040089728 A    | 20041021         | KR20047014195      | 20030122         |
| MXPA04008892 A1    | 20041126         | MX2004PA08892      | 20030122         |
| TW200519758 A      | 20050616         | TW20040134039      | 20041108         |
| US2003173408 AA    | 20030918         | US20020101219      | 20020318         |
| US2003174049 AA    | 20030918         | US20020101471      | 20020318         |
| US2004104274 AA    | 20040603         | US20030712935      | 20031112         |
| US2004178913 AA    | 20040916         | US20040785128      | 20040223         |
| US2005168340 AA    | 20050804         | US20050059793      | 20050216         |
| US2007017136 AA    | 20070125         | US20050060033      | 20050216         |
| US7188767 BB       | 20070313         | US20040785128      | 20040223         |
| US7204425 BB       | 20070417         | US20020101219      | 20020318         |
| US7316358 BB       | 20080108         | US20030712935      | 20031112         |
| US7849619 BB       | 20101214         | US20050060033      | 20050216         |
| WO03081515 A1      | 20031002         | WO2003US02123      | 20030122         |
| WO05050530 A2      | 20050602         | WO2004US37080      | 20041104         |
| WO05050530 A3      | 20050915         | WO2004US37080      | 20041104         |
| WO05081819 A2      | 20050909         | WO2005US04635      | 20050210         |
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**Priority:**

|                        |                        |                        |
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| US20020101219 20020318 | US20020101471 20020318 | WO2003US02123 20030122 |
| US20030712935 20031112 | US20040785128 20040223 | US20040785128 20040223 |
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**Probable Assignee:** CALLAHAN CELLULAR LLC

**Assignee(s):** (std): BEIGEL MICHAEL L ; BELL H C ; BELL H CLARK ; CALLAHAN CELLULAR LLC ; LASCH JONATHAN ; PREC DYNAMICS CORP ; PENUELA OSWALDO ; PRECISION DYNAMICS CORP ; MOSHER WALTER W JR ; MARCUS SAMUEL D ; MARCUS SAMUEL D Y ; MOSHER JR WALTER W ; TUTTLE JOHN R ; WANG DAVID E ; TUTTLE JOHN RANDALL

**Assignee(s):** MOSHER WALTER W ; WELLS FARGO BANK NATIONAL ASSOCIATION ADMINISTRATI ; QELILISHI LTD LLC ; WELLS FARGO BANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS ; WELLS FARGO BANK NATIONAL ASSOCIATION ; QELILISHI LTD ; QELIKISHI LTD LLC ; QELIKISHI LTD ; MOSHER

WALTER WJR ; KOTIK MARK M

**Inventor(s):** (std): BEIGEL MICHAEL L ; BELL CLARK H ; BELL H C ; BELL H CLARK ; CLARK H BELL ; DAVID E WANG ; JOHN RANDALL TUTTLE ; KOTIK MARK M ; LASCH JONATHAN ; MARCUS SAMUEL D ; MARCUS SAMUEL D Y ; MICHAEL L BEIGEL ; MOSHER JR WALTER W ; OSWALDO PENUELA ; PENUELA OSWALDO ; RANDALL TUTTLE JOHN ; SAMUEL D ; TUTTLE JOHN R ; TUTTLE JOHN RANDALL ; WALTER W ; MOSHER WALTER W ; MOSHER WALTER W JR ; WANG DAVID E

**Inventor(s):** BEIGEL MICHAEL ; MOSHER WALTER WJR ; WANG DAVID ; TUTTLE JOHN ; MOSHER WALTER ; MOSHER ; MARCUS SAMUEL DY ; MARCUS SAMUEL ; JR WALTER W ; BIEGEL MICHAEL L ; BELL H

**Agent(s):** GRIFFITH HACK; GOWLING LAFLEUR HENDERSON LLP; SMALL GARY JAMES; KELLY LOWRY AND KELLEY LLP; KELLY LOWRY AND KELLEY LLC; KNOBBE MARTENS OLSON AND BEAR LLP

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

**Title:** SYSTEM AND METHOD FOR STREAMLINED REGISTRATION OF ELECTRONIC PRODUCTS OVER A COMMUNICATION NETWORK AND FOR VERIFICATION AND MANAGEMENT OF INFORMATION RELATED THERETO

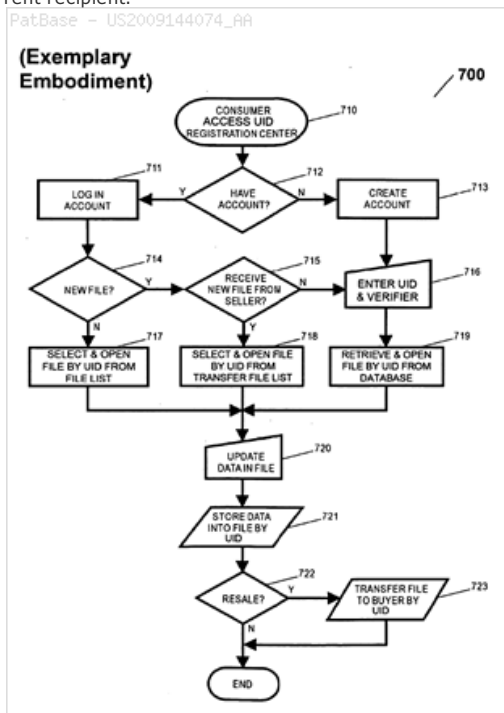
**Abstract:** The system and method of the present invention provide integrated or embedded components, for electronic (or other) products, each operable to securely store and selectively provide access to, a unique ID (UID) previously assigned to its corresponding specific product, where the UID of each product is registered with one or more particular UID registration centers over at least one communication network, and associated with one or more data records stored in a corresponding database file at the particular UID registration center, the data records being inclusive of information related to the product, the product purchase history, current ownership, etc., and wherein one or more authorized parties may subsequently advantageously utilize at least one UID (and optionally a verifier) to access, verify, edit, transfer, transmit, and/or otherwise manage at least one information item related to the one or more corresponding registered products in their UID registration center database file. Also provided is an optimized process for verifiable transfer of ownership rights between a product's authorized owner and intended recipient, the transfer process being implemented over at least one communication network with graphical user interfaces provided for each party, where the transfer of ownership rights involves association of the product's UID with the receiving party's data record and confirming ownership transfer, and optional transfer of additional product-related information from the former product owner to the current recipient.

**Classifications:**

**International (IPC 8-9):** G06K19/06 G06K19/07 G06K19/073 G06K19/077 G06Q10/00 G06Q10/08 G06Q30/00 G06Q30/02 G06Q99/00 G08B13/14 H04L29/08 H04Q5/22 H04W12/06 H04W60/00 H04W8/24 (Advanced/Invention); G06K19/06 G06K19/07 G06K19/077 G06Q10/00 G06Q99/00 G08B13/14 H04Q5/00 H04W12/00 H04W60/00 H04W8/22 (Core/Invention)

**CPC:** G06Q30/02 G06K19/07749 G06K19/07345 H04L63/10 G06Q30/012 G06Q10/087 H04L67/12 H04L67/02 G06Q30/0185

**European:** G06K19/073A4 G06K19/077T G06Q30/012 G06Q30/02 US: 235/235 235/425 235/487 235/492 235/492S 340/10.1 340/10.4 340/10.5 340/10.500P 340/572.1 340/572.3 340/572.4 340/572.7 340/572.700P 340/572.8 705/1 705/1.1 705/1.100P 705/28 705/342 705/342P 709/217 726/4



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CN101960896 A      | 20110126         | CN200880117567     | 20081129         |
| CN101960896 B      | 20141210         | CN200880117567     | 20081129         |
| CN102124473 A      | 20110713         | CN200980121275     | 20090609         |
| CN102124473 B      | 20140611         | CN200980121275     | 20090609         |
| US2009144074 AA    | 20090604         | US20080325152      | 20081129         |
| US2009287498 AB    | 20091119         | US20080325152      | 20081129         |
| US2009289774 AA    | 20091126         | US20090501434      | 20090712         |
| US2009303050 AA    | 20091210         | US20090481490      | 20090609         |
| US2013227653 AA    | 20130829         | US20130849598      | 20130325         |
| US2017053293 AA    | 20170223         | US20160346100      | 20161108         |
| US2017206532 AA    | 20170720         | US20170477957      | 20170403         |
| US8253568 BB       | 20120828         | US20090481490      | 20090609         |
| US8253569 BB       | 20120828         | US20090501434      | 20090712         |
| US8650097 BB       | 20140211         | US20080325152      | 20081129         |
| WO09073579 A2      | 20090611         | WO2008US85083      | 20081129         |
| WO09073579 A3      | 20100218         | WO2008US85083      | 20081129         |
| WO09152182 A2      | 20091217         | WO2009US46794      | 20090609         |
| WO09152182 A3      | 20100311         | WO2009US46794      | 20090609         |

**Priority:**

|                         |                         |                         |
|-------------------------|-------------------------|-------------------------|
| US20070991759P 20071203 | US20080059809P 20080609 | US20080082243P 20080721 |
| US20080325152 20081129  | WO2008US85083 20081129  | US20090481490 20090609  |
| WO2009US46794 20090609  | US20090501434 20090712  | US20130849598 20130325  |
| US20160346100 20161108  | US20170477957 20170403  |                         |

**Probable Assignee:** ETKIN EDWARD

**Assignee(s):** (std): CHOI YU YONG ; CHOI YU YUNG ; YONG CHOI YU ; YUNG CHOI YU ; ZHENUINE CORP

**Assignee(s):** ETKIN EDWARD

**Inventor(s):** (std): CHOI YU ; YONG CHOI YU ; YUNG CHOI YU ; CHOI YU YUNG ; CHOI YU YONG

**Agent(s):** EDWARD ETKIN ESQ; EDWARD ETKIN ESQ LAW OFFICE OF EDWARD ETKIN PC; YU YUNG CHOI; ETKIN EDWARD

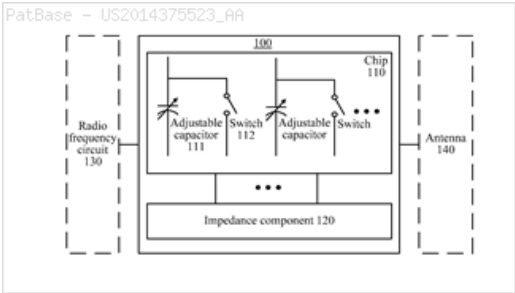
**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW

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

**Title:** ANTENNA IMPEDANCE MATCHING APPARATUS, SEMICONDUCTOR CHIP, AND METHOD

**Abstract:** The present invention provides an antenna impedance matching apparatus, semiconductor chip, and method. The apparatus includes: a semiconductor chip, including multiple adjustable capacitors and multiple switches; and at least one impedance component, located outside the semiconductor chip, where the semiconductor chip is coupled to the at least one impedance component through multiple terminals and coupled to an input terminal and an output terminal of the antenna impedance matching apparatus, the input terminal and the output terminal of the antenna impedance matching apparatus are respectively coupled to a radio frequency circuit and an antenna, the multiple switches are configured to, under control of a control signal, switch a connection between the multiple adjustable capacitors and the at least one impedance component, and values of the multiple adjustable capacitors are adjusted by an adjustment signal, so as to tune impedance matching of the antenna.

**Classifications:**  
**International (IPC 8-9):** H01Q1/24 H01Q1/50 H01Q23/00 H03H11/28 H03H7/38 (Advanced/Invention)  
**CPC:** H03H7/383 H01Q1/50 H01Q1/242 H03H7/38 H03H2007/386  
**US:** 343/861



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CN103337717 A      | 20131002         | CN201310256650     | 20130625         |
| CN103337717 B      | 20150708         | CN201310256650     | 20130625         |
| EP2819308 A1       | 20141231         | EP20140173510      | 20140623         |
| US2014375523 AA    | 20141225         | US20140310603      | 20140620         |
| US9647630 BB       | 20170509         | US20140310603      | 20140620         |

**Priority:**

CN201310256650 20130625

**Probable Assignee:** HUAWEI TECHNOLOGIES CO LTD

**Assignee(s):** (std): HUAWEI TECH CO LTD ; HUAWEI TECHNOLOGIES CO LTD

**Assignee(s):** HUAWEI TECHNOLOGIES CO

**Inventor(s):** (std): LIU TAO ; LIANG JIAN ; LI WEINAN

**Agent(s):** HALEY STEPHEN; LEYDIG VOIT AND MAYER LTD

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

**Title:** INFORMATION PROCESSING DEVICE

**Abstract:** An information processing device of the invention has a first board on which a tamper detection pattern is installed, a second board that is arranged to face the first board and on which a tamper detection pattern is installed, and sidewalls that are arranged between the first and second boards and along the outer periphery of the first and second boards and that include a plurality of layers (41 and 43) upon which electrodes (33 and 34) for tamper detection are provided. A circuit that needs to be tamper proof is provided in the space that is enclosed by the first and second boards and the sidewalls. The sidewalls have a structure in which electrodes (34) in one layer (43) of the two layers (41 and 43) that are adjacent with an insulating layer (42) interposed there between are arranged at positions corresponding to the spaces between the electrodes provided in the other layer (41).

**Classifications:**

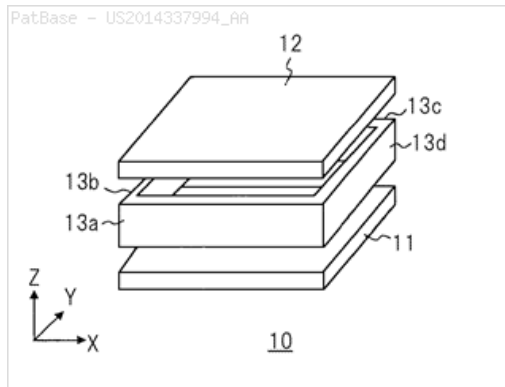
**International (IPC 8-9):** G06F21/60 G06F21/86 G06F21/87 H05K1/02 H05K5/02 (Advanced/Invention); G06F15/00 (Core/Invention)

**CPC:** H05K1/0275 H05K5/02 G06F21/60 G06F21/87 G06F21/86

**US:** 1/1 361/752 726/26

**JP F-Term:** 5B017

**JP F-Index:** G06F21/06/186 G06F21/86

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CN103975340 A      | 20140806         | CN201280062046     | 20121113         |
| CN103975340 B      | 20160824         | CN201280062046     | 20121113         |
| ID201600927 A      | 20160307         | ID2014P0004247     | 20121113         |
| IN04096DN2014 A    | 20150220         | IN2014DN04096      | 20140521         |
| JP2013125510 A2    | 20130624         | JP20110275604      | 20111216         |
| JP5263999 B2       | 20130814         | JP20110275604      | 20111216         |
| TH147051 A         | 20160304         | TH20141003269      | 20121113         |
| TH54855 B          | 20170504         | TH20141003269      | 20121113         |
| US2014337994 AA    | 20141113         | US20120362476      | 20121113         |
| US9055679 BB       | 20150609         | US20120362476      | 20121113         |
| WO13088885 A1      | 20130620         | WO2012JP79339      | 20121113         |

**Priority:**

JP20110275604 20111216 WO2012JP79339 20121113

**Probable Assignee:** NEC PLATFORMS LTD

**Assignee(s):** (std): NEC INFRONTIA CORP ; NEC PLATFORMS LTD ; OHSAKA MASAYUKI

**Inventor(s):** (std): OHSAKA MASAYUKI ; OSAKA TOSHIYUKI

**Agent(s):** ANNISA AM BADAR SH LLM; SUGHRUE MION PLLC; MIYAZAKI TERUO ET AL

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

**Title:** METHOD OF MUTUAL AUTHENTICATION BETWEEN A RADIO TAG AND A READER

**Abstract:** A method of mutual authentication between a radio tag and a radio reader. The method includes: authentication of the tag by the reader, implemented on a first communication channel, during which a first authentication coupon and a first authentication response are transmitted from the tag to the reader; toggling from the first communication channel to a second communication channel, different from the first channel, on which there is implemented a phase of authentication of the reader by the tag; and dispatching from the reader to the tag of a second authentication coupon and of a second authentication response which are intended to authenticate the reader. The second authentication coupon is transmitted on the first communication channel.

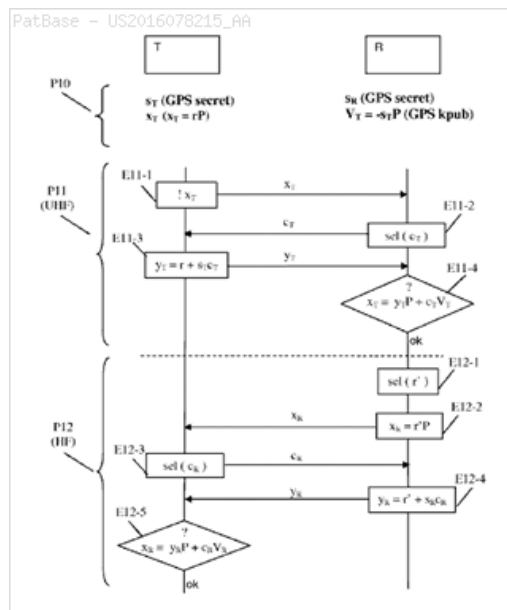
**Classifications:**

**International (IPC 8-9):** G06F21/44 G06K19/07 G06K19/10 G06K7/10 H04L29/06 H04L9/00 H04L9/32 (Advanced/Invention)

**CPC:** G06F21/445 G06K7/10257 H04L9/3215 H04L9/3218

H04L9/3273 H04L63/0869 H04L63/18

**US:** 340/10.42



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CN104885404 A      | 20150902         | CN201380069203     | 20131112         |
| EP2918041 A1       | 20150916         | EP20130801653      | 20131112         |
| FR2998075 A1       | 20140516         | FR20120060737      | 20121112         |
| US2016078215 AA    | 20160317         | US20130442303      | 20131112         |
| US9542550 BB       | 20170110         | US20130442303      | 20131112         |
| WO14072667 A1      | 20140515         | WO2013FR52715      | 20131112         |

**Priority:**

FR20120060737 20121112 WO2013FR52715 20131112

**Probable Assignee:** ORANGE

**Assignee(s):** (std): FRANCE TELECOM ; ORANGE

**Inventor(s):** (std): FERREIRA LOIC ; ROBSHAW MATTHEW

**Inventor(s):** LOIC FERREIRA ; MATTHEW ROBSHAW

**Agent(s):** ORANGE SA; WESTMAN CHAMPLIN AND KOEHLER PA; DAVID D; ORANGE IMT OLPS IPL PAT

**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:** SECURITY HARD TAG WITH ATTACHMENT CLIP AND METHOD FOR ATTACHING AND DETACHING

**Abstract:** A security hard tag uses an attachment clip to couple to an article, such as, but not limited to, clothing, to be protected and which can only be released from the article by use of an authorized detacher that is inserted into the security hard tag. The attachment clip may include various types of locking mechanisms on its two ends, one end which is permanently secured within the security hard tag housing and the other end which is releasably secured within the housing. Before being releasably secured within the housing, the one end is inserted through or around a portion of an article, or through a security tag loop attached to the article, and then that end is locked into the housing. The detacher uses a cam, either located on the detacher itself or positioned within the security hard tag housing, to interact with the one end of the attachment clip to release the locked end. The housing also includes a security element that may comprise EAS (including AM, RF, EM and microwave), RFID (including LF, HF and UHF), benefit denial (e.g., ink-filled or dye-filled capsules) or any combination thereof. A preferred embodiment of the security hard tag uses all non-ferrous components including its locking mechanism. The non-ferrous composition of the security hard tag, along with the attachment clip design, forms a security hard tag that is strong and lightweight, thereby providing a low impact presentation of a security hard tag with an article.

**Classifications:**

**International (IPC 8-9):** B21D53/46 B21K1/44 E05B63/00 E05B65/00 E05B69/00 E05B73/00 G06K19/07 G06K19/10 G08B13/14

G08B13/22 G08B13/24 G09F3/03 (Advanced/Invention);

E05B47/00 (Advanced/Non-invention);

E05B73/00 G08B13/14 G08B13/24 (Core/Invention)

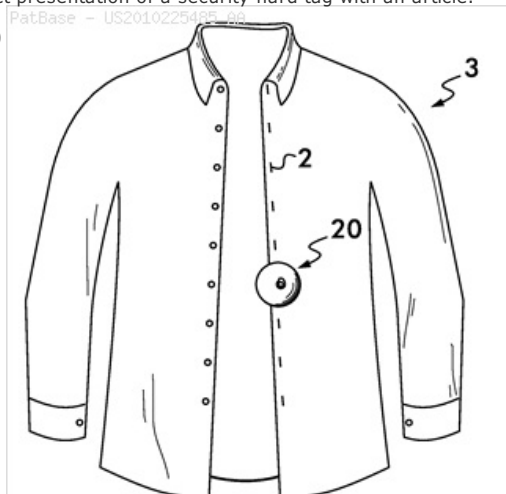
**CPC:** G08B13/2434 Y10T29/12 Y10T29/19 Y10T70/317 Y10T70/333 Y10T70/5004 Y10T70/5009 E05B73/0017 E05B47/0004 E05B73/0064

**European:** E05B73/00B E05B73/00B8B G08B13/24B3H P05B47/00A1B1

**US:** 29/3 29/7 340/568.1 340/568.4 340/568.5 340/571 340/572.1 340/572.8 340/572.800P 340/572.9 340/572.900P 70/4 70/57.1 70/58 70/6

**JP F-Term:** 2E250 5B035 5B035/AA13 5B035/BA03 5B035/BB09 5B035/CA01 5B035/CA23 5C084 5C084/AA03 5C084/AA09 5C084/BB01 5C084/CC34 5C084/DD07 5C084/EE07 5C084/FF02

**JP F-Index:** E05B73/00/Z G06K19/00/H G06K19/00/R G06K19/07/230 G06K19/07/220 G06K19/10 G08B13/22



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2009341571 AA    | 20100910         | AU20090341571      | 20090612         |
| CA2754214 AA       | 20100910         | CA20092754214      | 20090612         |
| CN101620762 A      | 20100106         | CN200910303446     | 20090619         |
| CN101620762 B      | 20131106         | CN200910303446     | 20090619         |
| CN203476005 U      | 20140312         | CN201190000752U    | 20110914         |
| CN203825751 U      | 20140910         | CN201290000710U    | 20120702         |
| DE602009034376 D1  | 20151203         | DE200960034376T    | 20090612         |
| DE602011011973 D1  | 20150115         | DE201160011973T    | 20110914         |
| EP2404016 A1       | 20120111         | EP20090789810      | 20090612         |
| EP2404016 B1       | 20151021         | EP20090789810      | 20090612         |
| EP2619390 A1       | 20130731         | EP20110761448      | 20110914         |
| EP2619390 B1       | 20141203         | EP20110761448      | 20110914         |
| EP2737461 A2       | 20140604         | EP20120817488      | 20120702         |
| EP2737461 A4       | 20160601         | EP20120817488      | 20120702         |
| ES2531574 T3       | 20150317         | ES20110761448T     | 20110914         |
| ES2555030 T3       | 20151228         | ES20090789810T     | 20090612         |
| IN06958DN2011 A    | 20121221         | IN2011DN06958      | 20110912         |
| JP2012519898 T2    | 20120830         | JP20110552925T     | 20090612         |
| MX2011009108 A1    | 20110930         | MX20110009108      | 20090612         |
| US2010225485 AA    | 20100909         | US20090482934      | 20090611         |
| US2011018716 AA    | 20110127         | US20100887229      | 20100921         |
| US2012019385 AA    | 20120126         | US20110193020      | 20110728         |
| US2012032805 AA    | 20120209         | US20110192077      | 20110727         |
| US8344891 BB       | 20130101         | US20090482934      | 20090611         |
| US8547228 BB       | 20131001         | US20110192077      | 20110727         |
| US8547229 BB       | 20131001         | US20110193020      | 20110728         |
| US8581726 BB       | 20131112         | US20100887229      | 20100921         |
| WO10101581 A1      | 20100910         | WO2009US47245      | 20090612         |
| WO12040020 A1      | 20120329         | WO2011US51593      | 20110914         |
| WO13015952 A2      | 20130131         | WO2012US45248      | 20120702         |
| WO13015952 A3      | 20140508         | WO2012US45248      | 20120702         |

**Priority:**

|                         |                         |                        |
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| US20090157237P 20090304 | US20090163677P 20090326 | US20090482934 20090611 |
| EP20090789810 20090612  | WO2009US47245 20090612  | US20100887229 20100921 |
| US20110192077 20110727  | US20110193020 20110728  | EP20110761448 20110914 |
| WO2011US51593 20110914  | WO2012US45248 20120702  |                        |

**Probable Assignee:** CHECKPOINT SYSTEMS INC

**Assignee(s):** (std): BRODZIK JAMES ; CHECKPOINT SYS INC ; CHECKPOINT SYSTEMS INC ; MAZOKI GARY ; MCKEOWN THOMAS J ; PICCOLI ANTHONY F ; STRAUER SETH ; WU WEI ; APPALUCCI LAWRENCE ; WEI WU

**Assignee(s):** CHECKPOINT SYSTEMS INC THOROFARE ; BANK OF AMERICA NA ; WELLS FARGO BANK

**Inventor(s):** (std): ANTHONY F PICCOLI ; APPALUCCI LAWRENCE ; GARY MAZOKI ; JAMES BRODZIK ; MAZOKI GARY ; BRODZIK JAMES ; MCKEOWN THOMAS ; MCKEOWN THOMAS J ; PICCOLI ANTHONY ; STRAUER SETH ;

THOMAS J MCKEOWN ; WEI WU ; WU WEI ; SETH STRAUER ; PICCOLI ANTHONY F ; MACKEOWN  
THOMAS J ; SUKEMOTO GARRY ; LAWRENCE APPALUCCI ; JAMES BROZIK ; GARRY SUKEMOTO ;  
BROZIK JAMES

**Inventor(s):** ANTHONYFICCOLI ; GARYMAZOKI ; JAMESBRODZIK ; SETHSTRAUSER ; LAWRENCEAPPALUCCI ;  
THOMASJMCKEOWN ; THOMAS JMCKEOWN ; STRAUER SETH SEWELL ; PICCOLI ANTHONY F WEST  
DEPTFORD ; MCKEOWN THOMAS J PENNSAUKEN ; BRODZIK JAMES SOMERDALE ; MAZOKI GARY  
SEWELL ; APPALUCCI LAWRENCE VILLANOVA ; ANTHONY FPICCOLI

**Agent(s):** CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; SPRUSON AND FERGUSON;  
RIDOUT AND MAYBEE LLP; V BEZOLD AND PARTNER PATENTANWAELTE PARTG MBB; KILIAN KILIAN  
AND PARTNER; KOTITSCHKE BERND; MOLA EDOARDO; PONS ANGEL; ESPIELL EDUARDO MARIA;  
CAESAR RIVISE BERNSTEIN COHEN AND POKOTILOW LTD; CAESAR RIVISE BERNSTEIN COHEN  
POKOTILOW LTD; SLOWOWITZ SCOTT M; BRADLEY BRENNAN K

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

**Title:** RFID DEVICE WITH CHANGEABLE CHARACTERISTICS

**Abstract:** An RFID device includes a first, relatively permanent portion and a second alterable or inactivatable portion. Upon the occurrence of some predetermined event, the second portion and/or its coupling to the first portion is physically altered, inactivating it. The first portion may itself be an antennaless RFID device that may be read at short range, and the second portion may be an antenna that, when coupled to the first portion, substantially increases the range at which the first portion may be read. The second portion may be configured to be altered or inactivated by any of a variety of predetermined events, such as involving physical, chemical or electrical forces, performed either on the RFID device, or upon an object to which the RFID device is coupled.

**Classifications:**

**International (IPC 8-9):** G06K19/07 G06K19/073 G06K19/077 G08B13/14 G09F3/00 H04B1/59 (Advanced/Invention); G06K19/07 G06K19/077 (Advanced/Non-invention)

**International (IPC 1-7):** G06K19/073 G06K19/077 G06K19/73 G06K19/77 G08B13/14

**CPC:** G06K19/07345 G06K19/0717 G06K19/073 G06K19/07749 G06K19/07798 H01L2224/16 H01L2924/3011

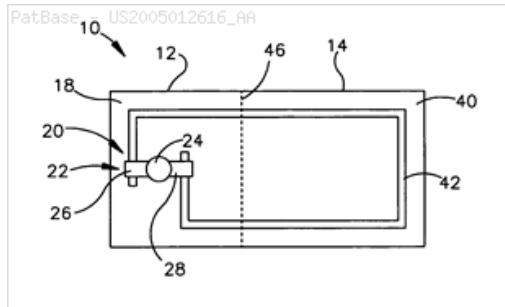
**European:** G06K19/073 G06K19/073A4 G06K19/077T

G06K19/077T9 G06K19/07E2 T01L224/16 T01L924/30110

**US:** 235/375 235/382 235/385 235/492 340/10.1 340/10.5 340/10.6 340/539.26 340/539.260S 340/539.27 340/539.32 340/568.2 340/568.200S 340/572.1 340/572.100S 340/572.3 340/572.300P 340/572.4 340/572.5 340/572.7 340/572.700P 340/572.700S 340/572.8 340/573.7

**JP F-Term:** 5B035 5B035/AA13 5B035/BA03 5B035/BB09 5B035/CA08 5B035/CA23 5B035/CA38 5K054 5C091

**JP F-Index:** G06K19/00/H G06K19/00/K G06K19/00/P G06K19/07/170 G06K19/073 G06K19/073/045 G06K19/077/200 G06K19/077/304 H04B1/59 G09F3/00/M G09F3/00/Q

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AT530998 E         | 20111115         | AT20040777809T     | 20040707         |
| AU2004258575 AA    | 20050127         | AU20040258575      | 20040707         |
| CA2531783 AA       | 20060106         | CA20042531783      | 20040707         |
| CN100382104 C      | 20080416         | CN200480019252     | 20040707         |
| CN101231708 A      | 20080730         | CN200810080548     | 20040707         |
| CN101231708 B      | 20110511         | CN200810080548     | 20040707         |
| CN1816818 A        | 20060809         | CN200480019252     | 20040707         |
| DE602004035044 D1  | 20111222         | DE200460035044T    | 20040707         |
| DE602004044478 D1  | 20140410         | DE200460044478T    | 20040707         |
| EP1652132 A2       | 20060503         | EP20040777809      | 20040707         |
| EP1652132 B1       | 20111026         | EP20040777809      | 20040707         |
| EP2264649 A2       | 20101222         | EP20100011878      | 20040707         |
| EP2264649 A3       | 20110126         | EP20100011878      | 20040707         |
| EP2264650 A2       | 20101222         | EP20100011879      | 20040707         |
| EP2264650 A3       | 20110126         | EP20100011879      | 20040707         |
| EP2264650 B1       | 20140226         | EP20100011879      | 20040707         |
| EP2264651 A2       | 20101222         | EP20100011880      | 20040707         |
| EP2264651 A3       | 20110126         | EP20100011880      | 20040707         |
| ES2372494 T3       | 20120120         | ES20040777809T     | 20040707         |
| JP2007529049 T2    | 20071018         | JP20060518917T     | 20040707         |
| JP2010257478 A2    | 20101111         | JP20100140810      | 20100621         |
| JP4568276 B2       | 20101027         | JP20060518917T     | 20040707         |
| JP5416043 B2       | 20140212         | JP20100140810      | 20100621         |
| KR101037353 B1     | 20110530         | KR20067000438      | 20040707         |
| KR20060036442 A    | 20060428         | KR20067000438      | 20040707         |
| US2005012616 AA    | 20050120         | US20040886831      | 20040707         |
| US2007096915 AA    | 20070503         | US20060642804      | 20061220         |
| US2008018477 AA    | 20080124         | US20070864850      | 20070928         |
| US2008211675 AA    | 20080904         | US20080116160      | 20080506         |
| US2010079287 AA    | 20100401         | US20090630795      | 20091203         |
| US7460015 BB       | 20081202         | US20070864850      | 20070928         |
| US7477151 BB       | 20090113         | US20040886831      | 20040707         |
| US7629888 BB       | 20091208         | US20060642804      | 20061220         |
| US8199016 BB       | 20120612         | US20080116160      | 20080506         |
| US9000924 BB       | 20150407         | US20090630795      | 20091203         |
| WO05008578 A2      | 20050127         | WO2004US21951      | 20040707         |
| WO05008578 A3      | 20050421         | WO2004US21951      | 20040707         |
| WO05008578 B1      | 20050804         | WO2004US21951      | 20040707         |

**Priority:**

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|-------------------------|------------------------|-------------------------|
| US20030485313P 20030707 | EP20040777809 20040707 | EP20100011879 20040707  |
| JP20060518917 20040707  | US20040886831 20040707 | JP20060518917T 20040707 |
| WO2004US21951 20040707  | US20060642804 20061220 | US20070864850 20070928  |
| US20080116160 20080506  | US20090630795 20091203 |                         |

**Probable Assignee:** AVERY DENNISON CORP

**Assignee(s):** (std): AVERY DENNISON CORP ; AVERY DENNISON CORP ADC ; FORSTER IAN J ; SASAKI YUKIHIKO

**Assignee(s):** AVERY DENNISON CORP PASADENA ; AVERY DENNISON ADC CORP

**Inventor(s):** (std): FORSTER IAN ; FORSTER IAN J ; IAN J FORSTER ; SASAKI YUKIHIKO ; YUKIHIKO FORSTER IAN J SASAKI ; YUKIHIKO SASAKI

**Inventor(s):** THE DESIGNATION OF THE INVENTOR HAS NOT YET... ; SASDAKI YUKIHIKO ; SASAKI YUKIHIKO CLAREMONT ; FORSTER IAN J CHELMSFORD

**Agent(s):** CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; MUELLER BORE AND PARTNER PATENTANWAELTE; JONATHAN A PLATT RENNER OTTO BOISSELLE AND SKLAR LLP; RENNER OTTO BOISSELLE AND SKLAR LLP (AVERY); RENNER OTTO BOISSELLE AND SKLAR LLP AVERY; AVERY DENNISON PATENT GROUP CORP; AVERY DENNISON AMANDA WITTINE CORP; PATENT GROUP LAW DEPARTMENT; AVERY DENNISON CORP; AVERY DENNISON RETAIL INFORMATION SERVICES 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 GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

**Title:** BEVERAGE CONTAINER AUTHENTICITY AND PROVENANCE DEVICES AND METHODS

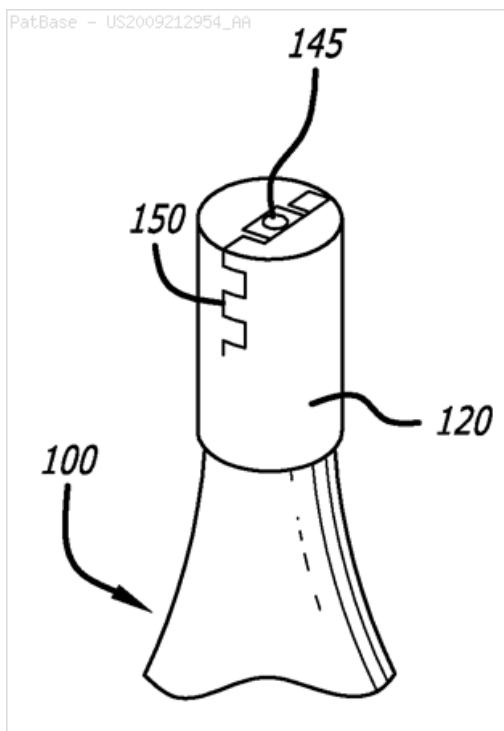
**Abstract:** A RFID label comprising an RFID circuit and an RFID antenna, and optional secondary security label ensures the authenticity of a beverage contained in a beverage container. The RFID label cannot be removed without destroying the RFID label or rendering it inoperable. A secondary security label may be placed over the closure of the beverage container to provide a secondary measure against tampering as well as a visual indicator of authenticity. It is placed on a portion of the bottle, a portion of the beverage container's closure, and the RFID label. An attempt to remove the secondary security label will also render the RFID label unusable.

**Classifications:**

**International (IPC 8-9):** B65D39/00 B65D41/00 B65D51/20  
G06F7/04 G06K19/077 G08B13/14 H05K13/00 (Advanced/Invention);  
G08B21/00 G08B23/00 (Advanced/Non-invention);  
B65D51/18 G06F7/02 G08B13/14 (Core/Invention)  
**CPC:** B65D41/00 B65D39/00 B65D2203/02 B65D2203/10  
Y10T29/49002

**European:** B65D39/00 B65D41/00 L65D203/02 L65D203/10

**US:** 235/492 235/492P 29/592.1 29/592.100S 340/10.1 340/5.8  
340/500 340/540 340/568.1 340/572.7 340/572.8

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2009212954 AA    | 20090827         | US20080035803      | 20080222         |
| US2010245036 AA    | 20100930         | US20100813243      | 20100610         |
| US2011215160 AA    | 20110908         | US20110110839      | 20110518         |
| US8854213 BB       | 20141007         | US20110110839      | 20110518         |

**Priority:**

US20080035803 20080222      US20100813243 20100610      US20110110839 20110518

**Probable Assignee:** LEFT BANK VENTURES LLC

**Assignee(s):** (std): ADSTEDT KJELL ROLAND ; LOTTABASE L L C ; STEMBERG JOAKIM ALEXANDER ; STERNBERG JOAKIM ALEXANDER

**Assignee(s):** LOTTABASE LLC ; LBV HOLDINGS LLC ; LEFT BANK VENTURES LLC

**Inventor(s):** (std): STEMBERG JOAKIM ALEXANDER ; STERNBERG JOAKIM ALEXANDER ; ADSTEDT KJELL ROLAND

**Agent(s):** GREENBERG TRAURIG LLP (LA); GREENBERG TRAURIG LLP; LUCE FORWARD HAMILTON AND SCRIPPS LLP; MCKENNA LONG AND ALDRIDGE LLP

**Title:** TRIM ALGORITHM FOR A MEDICAL DEVICE ANTENNA

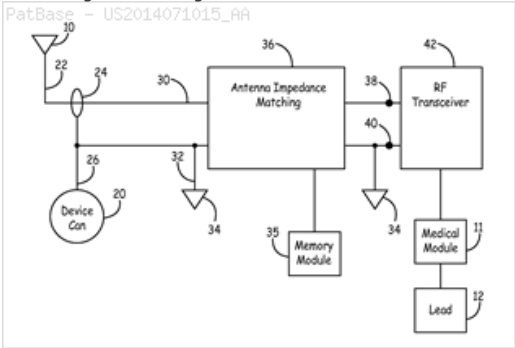
**Abstract:** The disclosure pertains to tuning the impedance of an antenna impedance matching circuit according to operating parameters. The algorithm causes simultaneous adjustment of the impedance of a plurality of variable components of an antenna impedance matching circuit. The algorithm includes selecting between at least one value over a plurality of values in an array. The selected value represents a set of discrete values for each of the plurality of variable components. The plurality of variable components are adjusted to match the selected discrete values. An input signal is applied to the impedance matching circuit after each adjustment, and the magnitude of the signal received in response to the input signal is measured and compared to the magnitude of signal measured for previously set values. A determination is made as to the values of the plurality of variable components that result in the signal with the greatest magnitude.

**Classifications:**

**International (IPC 8-9):** H01Q1/50 (Advanced/Invention)

**CPC:** H01Q1/2208 H01Q1/273 H03H7/40 A61N1/37252

**US:** 343/860



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2014071015 AA    | 20140313         | US20120610919      | 20120912         |

**Priority:**

US20120610919 20120912

**Probable Assignee:**

MEDTRONIC INC

**Assignee(s):** (std):

MEDTRONIC INC ; ZHENG JIANLI

**Inventor(s):** (std):

ZHENG JIANLI

**Title:** CONTAINER CAP HAVING IDENTIFICATION FUNCTION AND ITS MANUFACTURING METHOD

**Abstract:** A container cap having identification function and its manufacturing method includes a cap and a radio frequency identification label provided with a radio frequency identification system and an antenna with extension antennas. The cap has a top wall formed with an extending-down circumferential surface having its under side disposed with a positioning circumference. A method for manufacturing such a container cap is to have the label combined with a male mold of a cap-shaping mold in advance to let the main body of the label combined with the inner side of the top wall of the cap, and the extension portion of the label combined with the circumferential surface and extended to the positioning circumference of the cap. When the container cap is turned open, parts of the extension antennas will be broken off for blocking or sending forth radio frequency identification signals, thus producing efficacies of anti-counterfeiting and anti-theft.

**Classifications:**

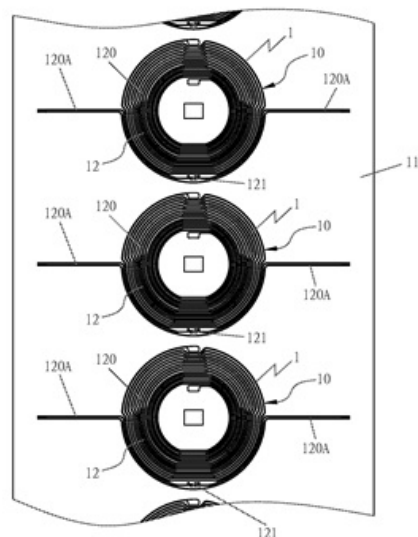
**International (IPC 8-9):** B29C45/14 B29C49/24 B29C67/00

G06K19/077 (Advanced/Invention)

**CPC:** B29C45/14778 B29L2031/565 G06K19/0739 G06K19/07798

**US:** 235/488 264/101 264/259 264/509

PatBase - US2013240631\_AA



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2013240631 AA    | 20130919         | US20120421693      | 20120315         |

**Priority:**

US20120421693 20120315

**Probable Assignee:** HUANG SHENG CHANG

**Assignee(s):** (std): HUANG SHENG CHANG ; SUPREME TECHNIC PACKAGE CO LTD

**Assignee(s):** SUPREME TECHNIC PACKAGE CO

**Inventor(s):** (std): HUANG SHENG CHANG

**Title:** COMPACT SATELLITE ANTENNA

**Abstract:** An apparatus, such as an antenna assembly, can include a flexible dielectric sheet, a first flexible conductor coupled to the flexible dielectric sheet, a second flexible conductor coupled to the flexible dielectric sheet, a matching section electrically coupled to the first and second conductors, and a hollow dielectric housing having a curved interior surface. The first and second flexible conductors can be sized, shaped, and laterally spaced a specified distance from each other to provide a specified input impedance corresponding to a specified range of operating frequencies for use in wireless information transfer between the antenna assembly and a satellite. The first and second flexible conductors can be located along the curved interior surface of the hollow dielectric housing following an arc-shaped path along the curved interior surface.

**Classifications:**

**International (IPC 8-9):** H01P11/00 H01Q1/14 H01Q1/38 H01Q1/40 H01Q11/08 H01Q5/00 H01Q5/357 H01Q9/00 H04B1/04 H04W88/02 (Advanced/Invention)

**CPC:** H01Q1/405 H01Q1/38 H01Q5/357 H01Q11/08 Y10T29/49018

**European:** H01Q1/38 H01Q1/40B H01Q11/08 H01Q5/00B H01Q5/00K2C4

**US:** 29/601 29/601S 343/750 343/750S 343/872 343/872S 455/129 455/129P 455/550.1 455/575.7

PatBase - US2011105062\_AA



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2011105062 AA    | 20110505         | US20100917783      | 20101102         |
| US8433269 BB       | 20130430         | US20100917783      | 20101102         |
| WO11056774 A2      | 20110512         | WO2010US55066      | 20101102         |
| WO11056774 A3      | 20110630         | WO2010US55066      | 20101102         |

**Priority:**

US20090257833P 20091103 US20100917783 20101102

**Probable Assignee:** DIGI INT INC

**Assignee(s):** (std): DAHL PAUL A ; DIGI INT INC ; RIDGEWAY ROBERT WAYNE

**Assignee(s):** DIGI INTERNATIONAL INC

**Inventor(s):** (std): DAHL PAUL A ; RIDGEWAY ROBERT WAYNE

**Agent(s):** FOGG AND POWERS LLC; ARORA SUNEEL ET AL

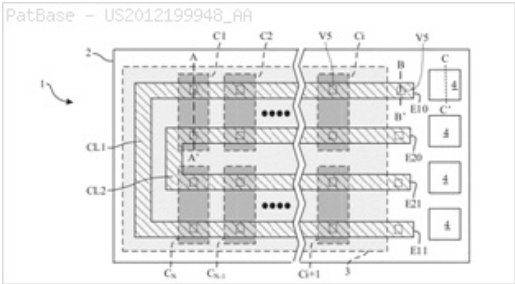
**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY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

**Title:** SEMICONDUCTOR CHIP COMPRISING PROTECTION MEANS AGAINST A PHYSICAL ATTACK

**Abstract:** A semiconductor chip includes a semiconductor substrate, an integrated circuit region having an integrated circuit, and conductive lines extending above the integrated circuit region. To protect the semiconductor chip against a physical attack, the semiconductor chip includes an array of protection capacitors extending above the conductive lines, at least first and second interconnection conductive lines, arranged to interconnect the protection capacitors in parallel, and a protection circuit configured to prevent at least some data from circulating on at least some conductive lines, when a short occurs in at least one protection capacitor.

**Classifications:**

**International (IPC 8-9):** G06F21/06 G06F21/87 H01L21/02  
H01L23/52 H01L23/58 H01L27/06 (Advanced/Invention)  
**CPC:** G06F21/87 H01L23/5223 H01L23/576 H01L2924/0002  
**European:** G06F21/87 H01L23/522C4 H01L23/57B  
**US:** 257/532 257/532P 257/E21.008 257/E21.008S 257/E27.013  
257/E27.013S 438/17 438/17S



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR2971366 A1       | 20120810         | FR20110000401      | 20110209         |
| FR2971366 B1       | 20130222         | FR20110000401      | 20110209         |
| US2012199948 AA    | 20120809         | US20120368753      | 20120208         |

**Priority:**

FR20110000401 20110209

**Probable Assignee:**

INSIDE SECURE

**Assignee(s):** (std):

INSIDE SECURE ; SAISSE MARC

**Inventor(s):** (std):

SAISSE MARC

**Inventor(s):**

MARC SAISSE

**Agent(s):**

OMNIPAT

**Title:** EXTERNAL PACKAGE CAPABLE OF BEING RADIO-TAGGED

**Abstract:** The invention relates to an external package, particularly one with a conductive coating and in whose surroundings an RFID tag is used. The conductive area of the electrically conductive layer is interrupted by a structure.

**Classifications:**

**International (ipc 8-9):** B65D B65D25/20 B65D65/18 B65D65/20 B65D77/24 B65D81/30 B65D85/00 B65D85/86 G01V G01V15/00 G06K G06K17/00 G06K19/07 G06K19/077 G08B13/00 G08B13/14 H01Q1/38 H04B1/59 (Advanced/Invention); B65D25/20 B65D77/24 B65D85/00 G01V15/00 G06K17/00 G06K19/00 G06K19/077 G08B13/00 (Core/Invention)

**International (ipc 1-7):** G06K19/07

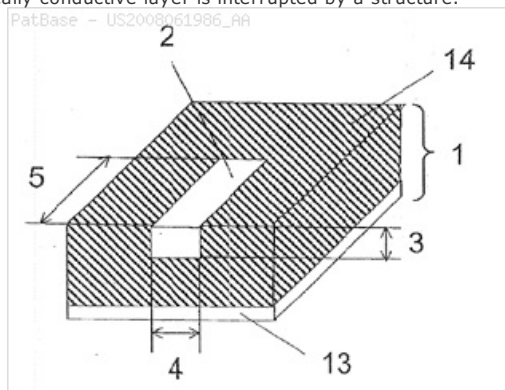
**CPC:** G06K19/07771 B65D2203/10 G06K17/0022 G06K19/07749

**European:** G06K17/00G G06K19/077T G06K19/077T5 L65D203/10

**US:** 340/572.1 340/572.7 340/572.8 340/572.800P

**JP F-Term:** 3E062 3E062/AA20 3E062/AB07 3E062/AB14 3E062/AC02 3E062/DA02 3E062/DA06 3E067 3E067/AA11 3E067/AB01 3E067/AB99 3E067/BA17/C 3E067/BB25/C 3E067/EE21 3E067/EE60 3E067/FA04 3E067/FC01 3E067/GD10

**JP F-Index:** B65D25/20/Q B65D77/24



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2005276841 AA    | 20060302         | AU20050276841      | 20050819         |
| CA2577901 AA       | 20070222         | CA20052577901      | 20050819         |
| CN101052975 A      | 20071010         | CN200580034556     | 20050819         |
| DE102004040831 A1  | 20060309         | DE200410040831     | 20040823         |
| DE502005013178 D1  | 20121206         | DE200550013178T    | 20050819         |
| EP1782339 A1       | 20070509         | EP20050783471      | 20050819         |
| EP1782339 B1       | 20121010         | EP20050783471      | 20050819         |
| HK1105032 A1       | 20080201         | HK20070112103      | 20071107         |
| HK1105032 A3       | 20080201         | HK20070112103      | 20071107         |
| JP2008510663 T2    | 20080410         | JP20070528582T     | 20050819         |
| JP4477065 B2       | 20100609         | JP20070528582T     | 20050819         |
| KR100902438 B1     | 20090611         | KR20077004331      | 20050819         |
| KR20070056072 A    | 20070531         | KR20077004331      | 20070223         |
| MX2007002020 A1    | 20070426         | MX20070002020      | 20050819         |
| TW200608303 A      | 20060301         | TW20050128667      | 20050823         |
| TWI317506 B        | 20091121         | TW20050128667      | 20050823         |
| US2008061986 AA    | 20080313         | US20050574139      | 20050819         |
| US7847695 BB       | 20101207         | US20050574139      | 20050819         |
| WO06021193 A1      | 20060302         | WO2005DE001468     | 20050819         |

**Priority:**

DE200410040831 20040823 EP20050783471 20050819 WO2005DE001468 20050819  
WO2005DE01468 20050819 WO2005DE001468 20070223

**Probable Assignee:** POLYIC GMBH AND CO KG

**Assignee(s):** (std): BOEHM MARKUS ; CLEMENS WOLFGANG ; FICKER JUERGEN ; LORENZ MARKUS ; POLYIC GMBH AND CO KG ; POLYLC GMBH AND CO KG

**Assignee(s):** POLYLC GMBH AND COKG ; POLYIC GMBH

**Inventor(s):** (std): LORENZ MARKUS ; BOEHM MARKUS ; BOHM MARKUS ; CLEMENS WOLFGANG ; FICKER JUERGEN ; FICKER JURGEN ; FICKER J LORENZ M KLEMENS W BE

**Inventor(s):** FICKER J ; JURGEN FICKER ; MARKUS BOHM ; MARKUS LORENZ ; WOLFGANG CLEMENS

**Agent(s):** FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; LOUIS POEHLAU LOHRENTZ; MARKS AND CLERK; CARELLA BYRNE BAIN GILFILLAN CECCHI STEWART AND OLSTEIN; WILLIAM; CARELLA BYRNE ET AL; ELLIOT 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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

**Title:** TAMPER-RESISTANT MICROCHIP ASSEMBLY

**Abstract:** The present invention generally relates to a tamper-resistant microchip assembly which may be used to, for example, confirm the authenticity of the source of a product. The tamper-resistant microchip assembly may further contain information related to the origin of the product, vintage, bottle size, geographic origin, age and/or other characteristics of the product. The tamper-resistant microchip assembly is particularly suitable for use with, for example, the production and distribution of wine.

**Classifications:**

**International (IPC 8-9):** B65D51/24 B65D75/00

G08B13/14 (Advanced/Invention);

G08B13/14 (Core/Invention)

**CPC:** B65D39/0058 B65D39/0076 B65D2101/00 B65D2203/10  
G06K19/07798 G08B13/2417 G08B13/2434 G08B13/2448

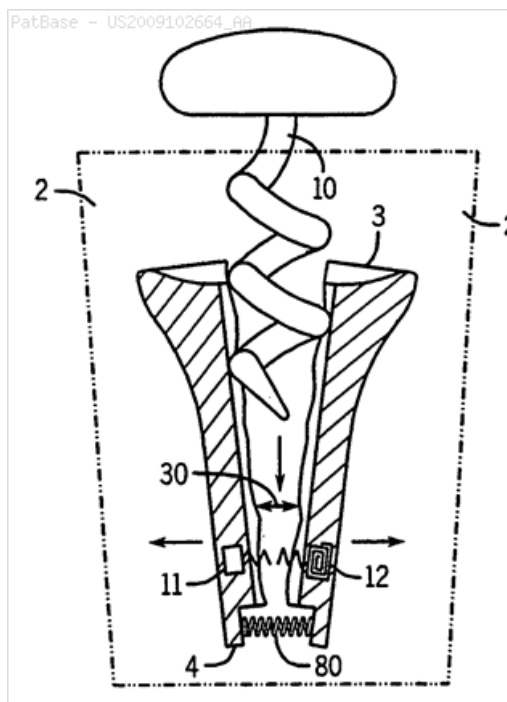
**European:** B65D39/00G1 B65D39/00G4 G06K19/077T9

G08B13/24B1G1 G08B13/24B3H G08B13/24B3U L65D101/00

L65D203/10

**US:** 215/228 340/572.1 340/572.7 340/572.700P 340/572.8

340/572.800S 40/311



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2009102664 AA    | 20090423         | US20080238824      | 20080926         |
| US2011079571 AA    | 20110407         | US20100966111      | 20101213         |
| US7898422 BB       | 20110301         | US20080238824      | 20080926         |
| US7916034 BA       | 20110329         | US20100966111      | 20101213         |
| WO09051787 A1      | 20090423         | WO2008US11861      | 20081017         |

**Priority:**

US20070999402P 20071018 US20080238824 20080926 US20100966111 20101213

**Probable Assignee:** ZIEGLER JERALD MR

**Assignee(s):** (std): WINE FATHER LLC ; WINEFATHER LLC ; PUCCINI STEVEN

**Assignee(s):** ZIEGLER JERALD ; ZIEGLER JERALD MR

**Inventor(s):** (std): PUCCINI STEVEN ; PUCCINI STEVEN DANIEL

**Agent(s):** LAMPEL AND ASSOCIATES PC; JUSTIN; LAMPEL JUSTIN

**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  
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