

1) Family number: 33018722 (US2009278693A)

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**Title:** EAR TAG ELEMENT AND METHODS FOR PRODUCING AN EAR TAG ELEMENT

**Abstract:** The invention relates to an ear tag element for tagging animals and to methods for producing it. The ear tag element according to the invention comprises a body (1) and a transponder (4) which is embedded in the said body, the transponder having a chip and an antenna which are connected to one another, and the body of the ear tag element comprising a rigid part (2), a flexible part (3) and a boundary surface (6) between them. The ear tag element according to the invention is characterized by the fact that at least the antenna of the transponder lies in the boundary surface, in such a manner that the antenna on at least one side bears against the rigid part and on at least one other side bears against the flexible part of the body.

**Classifications:**

**International (IPC 8-9):** A01K11/00 G08B13/14 G08B23/00 G09F3/02 (Advanced/Invention);

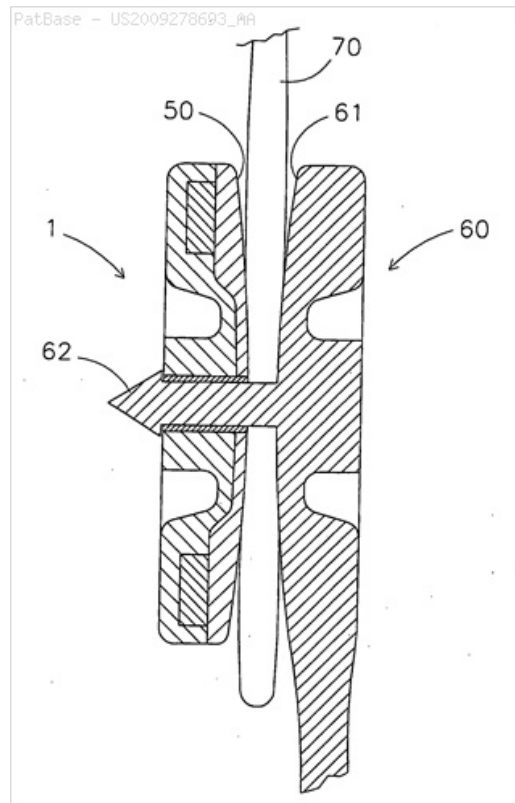
A01K11/00 G08B13/14 G08B23/00 G09F3/02 (Core/Invention)

**International (IPC 1-7):** A01K11/0 A01K11/00 G09F3/02

**CPC:** A01K11/006 A01K11/001 A01K11/004

**European:** A01K11/00A A01K11/00A3 A01K11/00C

**US:** 340/572.1 340/572.7 340/573.1

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AT445320 E         | 20091015         | AT20050799916T     | 20050818         |
| AU2005276189 AA    | 20060302         | AU20050276189      | 20050818         |
| AU2005276189 BB    | 20110512         | AU20050276189      | 20050818         |
| AU2005276189 CA    | 20111215         | AU20050276189      | 20050818         |
| CN100562248 C      | 20091125         | CN200580028795     | 20050818         |
| CN101035427 A      | 20070912         | CN200580028795     | 20050818         |
| DE602005017167 D1  | 20091126         | DE200560017167T    | 20050818         |
| DK1799031 T3       | 20091207         | DK20050799916T     | 20050818         |
| EP1799031 A2       | 20070627         | EP20050799916      | 20050818         |
| EP1799031 B1       | 20091014         | EP20050799916      | 20050818         |
| NL1026917 C2       | 20060228         | NL20041026917      | 20040827         |
| NL1028322 C1       | 20060821         | NL20051028322      | 20050217         |
| NZ553936 A         | 20100930         | NZ20050553936      | 20050818         |
| PL1799031 T3       | 20100331         | PL20050799916T     | 20050818         |
| US2009278693 AA    | 20091112         | US20050660800      | 20050818         |
| US7772979 BB       | 20100810         | US20050660800      | 20050818         |
| WO06021855 A2      | 20060302         | WO20051B02442      | 20050818         |
| WO06021855 A3      | 20060526         | WO20051B02442      | 20050818         |

**Priority:**

NL20041026917 20040827 NL20051028322 20050217 EP20050799916 20050818  
 WO20051B02442 20050818

**Probable Assignee:** NEHLS REINHARD**Assignee(s):** (std): CAISLEY ROY ; NEHLS REINHARD ; REINHARD NEHLS**Inventor(s):** (std): CAISLEY ROY ; ROY CAISLEY**Agent(s):** DAVIES COLLISON CAVE PTY LTD; DAVIES COLLISON CAVE; BLOKHUIS SOPHIA ELISABETH  
 DIONYSIA; HOFFMANN AND BARON LLP; HOFFMAN AND BARON 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

2) Family number: 42768269 (US2010210011A)

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Title: MARKING EAR TAG COMPRISING A TISSUE SAMPLING DEVICE

**Abstract:** An ear tag for identifying animals, enables a sample of biological tissue to be taken when the tag is applied to the animal. The tag includes a male part and a female part which are assembled by irreversible socketing. The stem of the male part includes a detachable head having a hollow distal part provided with a cutting edge for cutting out a biological sample when the head perforates the ear of the animal. The female part includes a central tube for receiving the head and at least partially receiving the stem when the ear tag is applied, the tube being associated with a detachable sample container arranged in the axial extension of the tube. The proximal end of the container has a first opening for receiving the head of the stem when the ear tag is applied, and the distal end of the container has a second opening enabling the inside of the sample container to be reached.

**Classifications:**

**International (IPC 8-9):** A01K11/00 C12M1/00

G06K19/00 (Advanced/Invention);

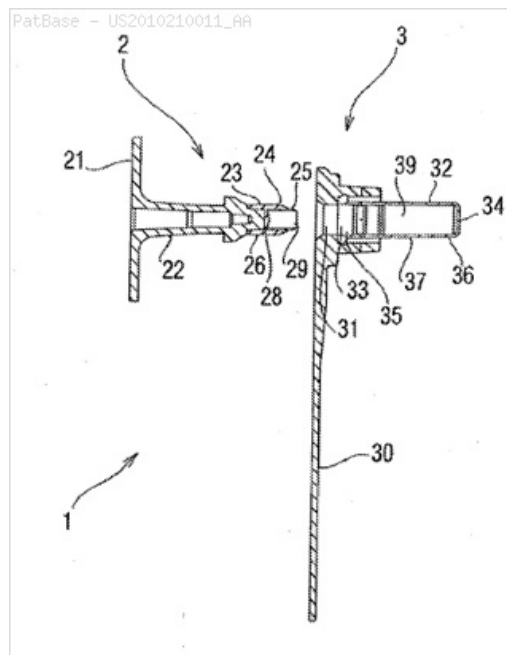
A01K11/00 C12M1/00 (Core/Invention)

**International (IPC 1-7):** A01K11/00

**CPC:** A01K11/003

**European:** A01K11/00A2

**US:** 40/301 40/301S 435/307.1 435/307.100P



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2008277503 AA    | 20090122         | AU20080277503      | 20080617         |
| AU2008277503 BB    | 20130905         | AU20080277503      | 20080617         |
| BRPI0813152 A2     | 20141223         | BR2008PI13152      | 20080617         |
| CA2690532 AA       | 20090122         | CA20082690532      | 20080617         |
| CN101951757 A      | 20110119         | CN200880020694     | 20080617         |
| CN101951757 B      | 20130821         | CN200880020694     | 20080617         |
| DE602008034592 D1  | 20141106         | DE200860034592T    | 20080617         |
| DK2160093 T3       | 20150105         | DK20080826473T     | 20080617         |
| EP2160093 A2       | 20100310         | EP20080826473      | 20080617         |
| EP2160093 B1       | 20140924         | EP20080826473      | 20080617         |
| FR2917574 A1       | 20081226         | FR20070004466      | 20070622         |
| FR2917574 B1       | 20100507         | FR20070004466      | 20070622         |
| IN04403KN2009 A    | 20100521         | IN2009KN04403      | 20091218         |
| MX2009014103 A1    | 20100427         | MX20090014103      | 20080617         |
| NZ582534 A         | 20120427         | NZ20080582534      | 20080617         |
| US2010210011 AA    | 20100819         | US20080666084      | 20080617         |
| WO09010658 A2      | 20090122         | WO2008FR00841      | 20080617         |
| WO09010658 A3      | 20090423         | WO2008FR00841      | 20080617         |

**Priority:**

FR20070004466 20070622 EP20080826473 20080617 WO2008FR00841 20080617

**Probable Assignee:** CHEVILLOT SAS

**Assignee(s):** (std): CHEVILLOT SARL ; CHEVILLOT SAS ; CHEVILLOT SOC PAR ACTIONS SIMP ; HILPERT JEAN JACQUES ; DECALUWE JOHAN

**Assignee(s):** CHEVILLOT ; CHEVILLOT SOCIETE PAR ACTIONS SIMPLIFIEE

**Inventor(s):** (std): HILPERT JEAN JACQUES ; DECALUWE JOHAN ; JOHAN DECALUWE ; JACQUES HILPERT JEAN

**Inventor(s):** JEAN JACQUES HILPERT

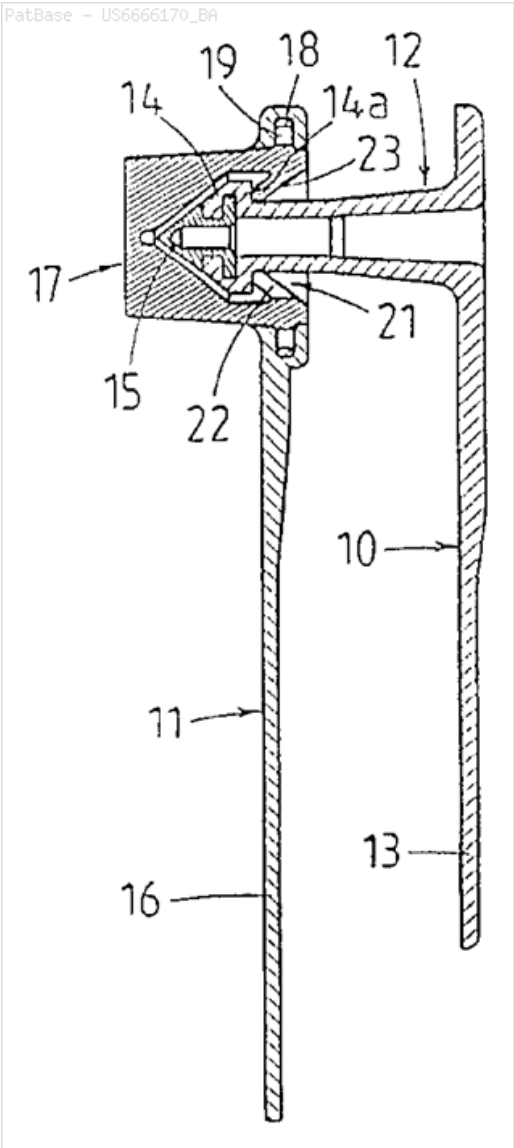
**Agent(s):** ELLIS TERRY; PATENTANWALTSKANZLEI MEYER; RAVINA BERNARD; MICHEL ROMAN; RAVINA SA; YOUNG AND THOMPSON

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

Title: Animal ear tag

**Abstract:** An animal ear tag including a female opening through which a head of a stem of a coupling member can pass to effect a coupling action when installing the tag on an animal, the female opening being formed as part of a separate enclosed boss component of hard material, the boss component having a flange extending peripherally from an external surface thereof, the flange being located within resilient material forming a part of the ear tag sized to anchor the boss component to the tag.

**Classifications:**  
**International (IPC 8-9):** A01K11/00 (Advanced/Invention);  
G09F3/02 (Advanced/Non-invention);  
A01K11/00 (Core/Invention);  
G09F3/02 (Core/Non-invention)  
**International (IPC 1-7):** A01K11/00  
**CPC:** A01K11/001  
**European:** A01K11/00A  
**US:** 119/814 40/301



Family:

| Publication number | Publication date | Application number | Application date |
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| AT235806 E         | 20030415         | AT19980961707T     | 19981203         |
| AU199916970 A1     | 19990628         | AU19990016970      | 19981203         |
| AU744420 B2        | 20020221         | AU19990016970      | 19981203         |
| BRPI9813435 A      | 20001010         | BR1998PI13435      | 19981203         |
| CA2313088 AA       | 20000608         | CA19982313088      | 19981203         |
| CA2313088 C        | 20060808         | CA19982313088      | 19981203         |
| DE69813015 D1      | 20030508         | DE19986013015      | 19981203         |
| DE69813015 D1      | 20030508         | DE19986013015T     | 19981203         |
| DE69813015 T2      | 20040304         | DE19986013015T     | 19981203         |
| DK1037525 T3       | 20030623         | DK19980961707T     | 19981203         |
| EP1037525 A1       | 20000927         | EP19980961707      | 19981203         |
| EP1037525 A4       | 20010822         | EP19980961707      | 19981203         |
| EP1037525 B1       | 20030402         | EP19980961707      | 19981203         |
| ES2198085 T3       | 20040116         | ES19980961707T     | 19981203         |
| HU0004328 AB       | 20010328         | HU20000004328      | 19981203         |
| HU0004328 AC       | 20010828         | HU20000004328      | 19981203         |
| JP2001525188 T2    | 20011211         | JP20000523853T     | 19981203         |
| JP2009136299 A2    | 20090625         | JP20090025691      | 20090206         |
| JP4545816 B2       | 20100915         | JP20090025691      | 20090206         |
| NZ504742 A         | 20011130         | NZ19980504742      | 19981203         |
| PL189543 B1        | 20050831         | PL19980341220      | 19981203         |
| PL341220 A1        | 20010326         | PL19980341220      | 19981203         |
| PT1037525 T        | 20030829         | PT19980961707T     | 19981203         |
| US6666170 BA       | 20031223         | US20000581304      | 20000608         |

**Priority:**

NZ19970329361 19971209 JP20000523853 19981203 NZ19980504742 19981203  
WO1998NZ00178 19981203

**Probable Assignee:** ALLFLEX NEW ZEALAND LTD

**Assignee(s):** (std): ALLFLEX NEW ZEALAND ; ALLFLEX NEW ZEALAND LTD ; HILPERT JEAN JACQUES

**Assignee(s):** ALLFLEX NEW ZEALAND LTD PALMERSTON NORTH ; ALLFLEX NEW ZEALAND LIMITED PALMERSTON NORTH ; ALLFLEX NEW ZEALAND LIMITED

**Inventor(s):** (std): HILPERT JEAN JACQUES ; JEAN JACQUES HILPERT ; HILPERT JEAN JACQUES HILPERT JEAN JACQUES

**Agent(s):** DON HOPKINS AND ASSOCIATES; ELLIS TERRY; MARKS AND CLERK

**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

**4) Family number: 40967054 (US4635389A)**

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**Title:** EAR TAG FOR MARKING ANIMALS

**Abstract:** The ear tag comprises a male part having a stem with a head portion at one end, the head portion forming an external shoulder, and a female part with an opening through which the head portion can be passed. The area surrounding the opening forms a shoulder which engages with the shoulder formed by the head portion to lock the head portion in place. A hollow boss is formed with the female part and encloses the opening and head portion when it has been passed through the opening. A collar is located within the boss, this collar having an internal rim which abuts the shoulder of the female part. The collar is deformable to enable said head portion, when engaged through said opening, to pass the internal rim and become located with the collar such as to be retained by the collar within the boss.

**Classifications:**

**International (IPC 8-9):** A01K11/00 G09F3/00

G09F3/08 (Advanced/Invention);

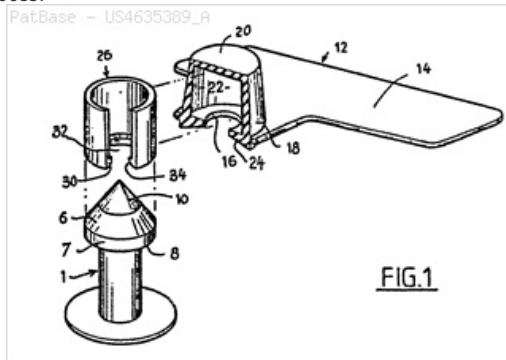
A01K11/00 (Core/Invention)

**International (IPC 1-7):** A01K11/00 G09F3/00 G09F3/08 G09F3/16

**CPC:** A01K11/001

**European:** A01K11/00A

**US:** 40/301



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AT58818 E          | 19901215         | AT19850306392T     | 19850909         |
| AU198547147 A1     | 19860313         | AU19850047147      | 19850906         |
| AU576624 B2        | 19880901         | AU19850047147      | 19850906         |
| BRPI8504314 A      | 19860701         | BR1985PI04314      | 19850906         |
| CA1240508 A1       | 19880816         | CA19850490103      | 19850905         |
| DE3580822 D1       | 19910117         | DE19853580822      | 19850909         |
| DK163094 B         | 19920120         | DK19850004071      | 19850906         |
| DK163094 C         | 19920615         | DK19850004071      | 19850906         |
| DK407185 A         | 19860308         | DK19850004071      | 19850906         |
| DK407185 A0        | 19850906         | DK19850004071      | 19850906         |
| EG17465 A          | 19890630         | EG19850000555      | 19850908         |
| EP0177201 A1       | 19860409         | EP19850306392      | 19850909         |
| EP0177201 B1       | 19901205         | EP19850306392      | 19850909         |
| ES288950 U         | 19860116         | ES19850288950U     | 19850906         |
| ES288950 Y         | 19861001         | ES19850288950U     | 19850906         |
| ES288950 Y1        | 19861013         | ES19850288950U     | 19850906         |
| FR2569944 A1       | 19860314         | FR19840013794      | 19840907         |
| FR2569944 B1       | 19871127         | FR19840013794      | 19840907         |
| HU197487 B         | 19890428         | HU19850003381      | 19850906         |
| HU40746 A2         | 19870227         | HU19850003381      | 19850906         |
| IE57081 B          | 19920422         | IE19850002219      | 19850909         |
| IE852219 L         | 19860307         | IE19850002219      | 19850909         |
| JP1713122 C3       | 19921127         | JP19850198407      | 19850906         |
| JP3076889 B4       | 19911206         | JP19850198407      | 19850906         |
| JP61081741 A2      | 19860425         | JP19850198407      | 19850906         |
| NZ213378 A         | 19870630         | NZ19850213378      | 19850905         |
| SU1473697 A3       | 19890415         | SU19853953977      | 19850906         |
| US4635389 A        | 19870113         | US19850773308      | 19850905         |
| ZA8506849 A        | 19860528         | ZA19850006849      | 19850906         |

**Priority:**

FR19840013794 19840907 CA19850490103 19850905 EP19850306392 19850909

**Probable Assignee:** ALLFLEX EUROP

**Assignee(s):** (std): ALLFLEX EUROP ; NOUV ROTSUKARU FR SA SOC ; ROCKALL FRANCE SA STE NLE ; NOUVELLR ROCKALL FRANCE S A SO ; ROCALL FRANCE S A SOC NOUV ; ROCHALL FRANCE SOC NOUV ; ROCKALL FRANCE STE NLE SA ; NUVEL ROKAL FRANS S A FIRMA SO

**Assignee(s):** NOUVELLE ROCKALL FRANCE SA SOC ; NOUVELLR ROCKALL FRANCE S A ; OUDELETTE GILLES ; NOUVELLE ROCKALL FRANCE SOC SA ; NUUBERU ROTSUKARU FURANSU SOC SA ; NOUVELLR ROCKALL FRANCE SA ; SOCIETE NOUVELLE ROCKALL FRANCE S A ; SOCIETE NOUVELLE ROCHALL FRANCE ; SOCIETE NOUVELLE ROCKALL FRANCE SA ; SOSETE NUVEL ROKAL FRANS S A FA ; SOSETE NUVEL ROKAL FRANS S A FIRMA ; SOSETE NUVEL ROKAL FRANS FIRMA SA ; NUUBERU ROTSUKARU FURANSU SA SOC ; SOCIETE NAOUVELLE ROCKALL FRANCE SA FR ; SOCIETE NOUVELLE ROCALL FRANCE S A ; NOUVELLR ROCKALL FRANCE S A SOCIETE ; FIRST INTERSTATE BANK OF TEXAS NA ; NOUV ROTSUKARU FR SOC SA ; NOUVELLE ROCALL FRANCE SA SOC ; NOUVELLE ROCKALL FRANCE SA ; NAOUVELLE ROCKALL FRANCE FR SA SOC ; NOUVELLE ROCHALL FRANCE SOC ; ALLFLEX EUROPE S A ; ALLFLEX EUROPE S A VITRE FR ; ALLFLEX USA INC ; BANQUE INDOSUEZ NEW YORK BRANCH AS COLLATERAL AGEN ; ALLFLEX EUROPE SA ; NOUVELLE ROCKALL FRANCE S A SOCIETE

**Inventor(s):** (std): OUDELETTE GILES ; JIRU UDORETSUTE ; OUDELETTE G ; UDELETT ZHIL ; OUDELETTE GILLES

**Inventor(s):** ZHIL UDELETT FR ; GILLES OUDELETTE ; OUDELETTE GILLES F 35500 VITRE FR ; OUDELETTE GILLES FR ; OUDELETTE GILES FR

**Agent(s):** COLLISON AND CO; MARKS AND CLERK

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

## 5) Family number: 11303737 (US4953313A)

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**Title:** EAR TAG FOR ANIMALS

**Abstract:** A female tag component for a two piece animal ear tag of the type comprising a male component having a stem with a head portion and a female component having an opening through which the head portion can be forced to effect coupling of the male and female components. The opening in the female component has an annular wall thereabout and the head portion of the male component, when the male and female components are coupled together, is located within the annular wall. An insert is located within the confines of the annular wall, this insert being in the form of a collar having an internal rim adjacent the end of the collar which is located about the opening. A portion of the collar, including that end of the collar which incorporates the rim, is deformable such as to enable entry of the head portion into the collar. The collar returns to the non-deformed state when the head is located therein so that the rim locates behind the head portion and retains the head portion within the collar.

### Classifications:

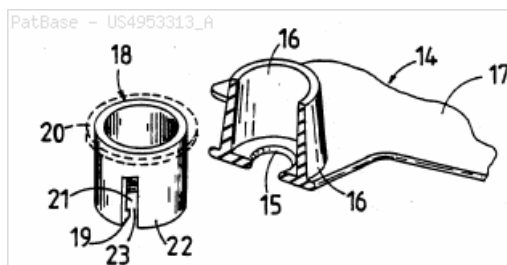
**International (IPC 8-9):** A01K11/00 G09F3/12 (Advanced/Invention); A01K11/00 G09F3/08 (Core/Invention)

**International (IPC 1-7):** G09F3/00

**CPC:** A01K11/001 G09F3/12

**European:** A01K11/00A G09F3/12

**US:** 40/301



### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US4953313 A        | 19900904         | US19880287856      | 19881221         |
| US4953313 B1       | 19930928         | US19880287856      | 19881221         |

### Priority:

NZ19880224293 19880419

**Probable Assignee:** ALLFLEX NEW ZEALAND LTD

**Assignee(s):** (std): ALLFLEX NEW ZEALAND

**Assignee(s):** ALLFLEX NEW ZEALAND LIMITED ; ALLFLEX NEW ZEALAND LTD ; ALLFLEX USA INC ; BANQUE INDOSUEZ NEW YORK BRANCH AS COLLATERAL AGEN ; FIRST INTERSTATE BANK OF TEXAS NA ; BANQUE INDOSUEZ NEW YORK BRANCH COLLATERAL AGENT A

**Inventor(s):** (std): MICHAEL J SCOTT ; SCOTT MICHAEL J

## 6) Family number: 3423090 (WO9110982A1)

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**Title:** ANIMAL EAR TAGS

**Abstract:** An animal ear tag having interfitting male (5) and female (6, 21) parts for fixing the tag has a chamber (14) inside the male part (5) for receiving a cylindrical electronic responder (15, 15a), which may have a diameter of up to 3 mm and a length of up to 20 mm. The male part (5) is preferably wholly or partly formed of plastics material. An identification index encoded in the responder is also represented visually on the tag. The male and female parts are preferably mounted at opposite ends of a looped strip (1).

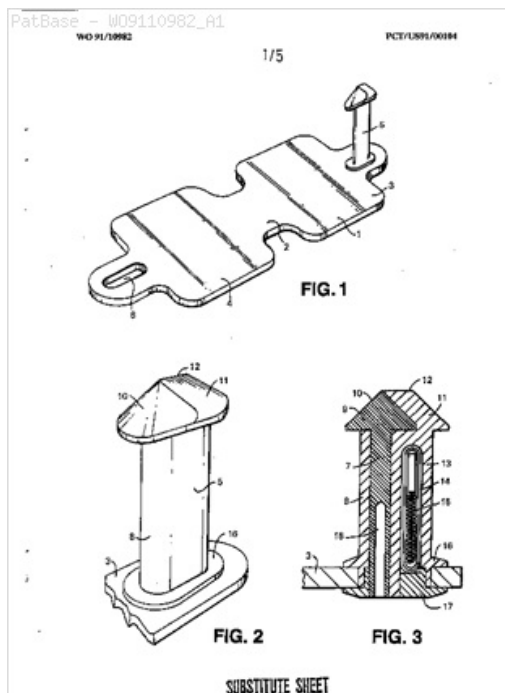
### Classifications:

**International (IPC 8-9):** A01K11/00 G09F3/14 (Advanced/Invention); A01K11/00 G09F3/08 (Core/Invention)

**International (IPC 1-7):** A01K11/00 G09F3/00

**CPC:** A01K11/004 A01K11/006 G09F3/14

**European:** A01K11/00A3 A01K11/00C G09F3/14



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU199172337 A1     | 19910805         | AU19910072337      | 19910111         |
| EP0510101 A1       | 19921028         | EP19910903739      | 19910111         |
| EP0510101 A4       | 19930331         | EP19910903739      | 19910111         |
| IE900119 A1        | 19910717         | IE19900000119      | 19900111         |
| NZ236752 A         | 19930526         | NZ19910236752      | 19910111         |
| WO9110982 A1       | 19910725         | WO1991US00104      | 19910111         |

#### Priority:

IE19900000119 19900111 WO1991US00104 19910111

**Probable Assignee:** STAFFORD KATHERINE MANHEIM

**Assignee(s):** (std): KILROY MICHAEL MAXWELL ; STAFFORD KATHERINE MANHEIM ; STAFFORD RODNEY ARTHUR

**Assignee(s):** MICHAEL MAXWELL KILROY ; RODNEY ARTHUR STAFFORD

**Inventor(s):** (std): KILROY MICHAEL MAXWELL ; STAFFORD RODNEY ARTHUR

**Inventor(s):** MICHAEL MAXWELL KILROY

**Designated states:** AT AU BE BG BR CA CH DE DK ES FI FR GB GR HU IT JP KR LI LU MC NL NO RO SE SU

#### 7) Family number: 13111049 (EP0968646A1)

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**Title:** Tamperproof pendant or ear tag for marking animals

**Abstract:** The tag is composed of two halves, one half with a female joint (4) and the other with a male joint. The orifice receives the point (10). The orifice and point each have a shoulder (4",2") that cooperate with one another to retain the two halves of the tag together.

#### Classifications:

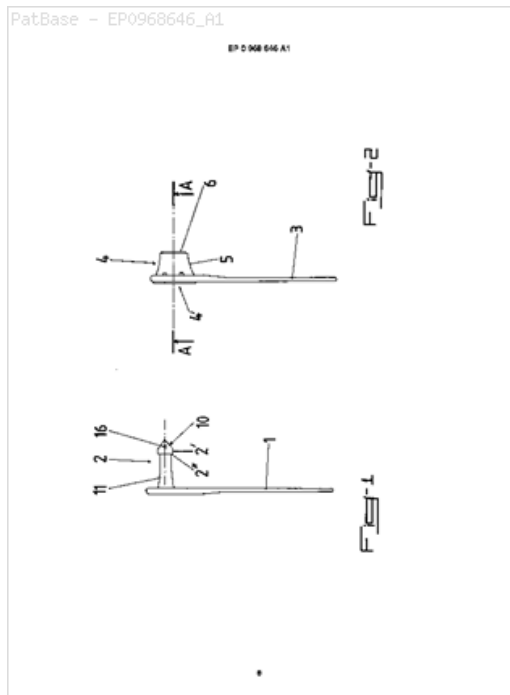
**International (IPC 8-9):** A01K11/00 (Advanced/Invention);

A01K11/00 (Core/Invention)

**International (IPC 1-7):** A01K11/00

**CPC:** A01K11/004

**European:** A01K11/00A A01K11/00A3

**Family:**

| Publication number | Publication date | Application number | Application date |
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| AT295077 E         | 20050515         | AT19990440180T     | 19990702         |
| DE69925200 D1      | 20050616         | DE19996025200      | 19990702         |
| DE69925200 D1      | 20050616         | DE19996025200T     | 19990702         |
| DE69925200 T2      | 20060706         | DE19996025200T     | 19990702         |
| EP0968646 A1       | 20000105         | EP19990440180      | 19990702         |
| EP0968646 B1       | 20050511         | EP19990440180      | 19990702         |
| FR2780611 A1       | 20000107         | FR19980008647      | 19980703         |
| FR2780611 B1       | 20001006         | FR19980008647      | 19980703         |

**Priority:**

FR19980008647 19980703

**Probable Assignee:** VETERINAIRE ALSACE**Assignee(s):** (std): VETERINAIRE ALSACE ; VETERINAIRE ALSACE S A MARMOUT ; VETERINAIRE ALSACE SA ; VETERINAIRE ALSACE SOC ANO ; VETERINAIRE ALSACE SOCIETE ANO**Assignee(s):** VETERINAIRE ALSACE SOCIETE ANONYME ; VETERINAIRE ALSACE SA MARMOUTIER ; VETERINAIRE ALSACE SOC ANONYME ; VETERINAIRE ALSACE S A MARMOUTIER**Inventor(s):** (std): WELSCH JEAN MARIE**Designated states:** AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE**8) Family number: 5033090 (NL8102068A)**

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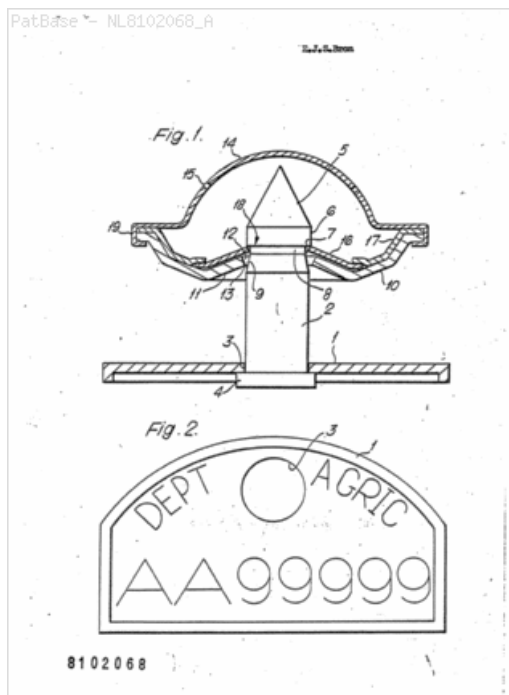
**Title:** EAR TAG FOR IDENTIFICATION OF CATTLE - HAS POINTED PIN WITH SHOULDER HELD BY SPRING DISC WHEN INSERTED IN OPENING IN ENCLOSED HOUSING

**Abstract:** The fixture is intended for an identification plate (1) or ear mark for cattle. The plate is provided with a pointed (5) pin (2) with a shoulder (7) which can be inserted through an opening (18) in a resilient element such as a spring disc (16) so that the shoulder rests on the disc and prevents release of the fixture. The disc is contained in a housing (10,14) which has an opening (12) aligned with the opening (18) in the disc. The housing may comprise a dished bottom (10) with central opening (12) and a top cap (14) secured (19) around the perimeter of the bottom.

**Classifications:**

**International (IPC 8-9):** A01K11/00 G09F3/12 (Advanced/Invention);  
A01K11/00 G09F3/08 (Core/Invention)

**International (IPC 1-7):** A01K11/00**CPC:** A01K11/001 G09F3/12**European:** A01K11/00A G09F3/12



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| NL8102068 A        | 19821116         | NL19810002068      | 19810427         |

#### Priority:

NL19810002068 19810427

**Probable Assignee:** EVERT JACOB SYBREN BRON

**Assignee(s):** (std): EVERT JACOB SYBREN BRON

**Assignee(s):** EVERT JACOB SYBREN BRON SCHOLEKSTERLAAN 54 TE 8601 XX SNEEK

#### 9) Family number: 68419968 (US2019274283A)

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**Title:** FEMALE PART OF AN ANIMAL-IDENTIFICATION DEVICE COMPRISING AN ELEMENT FOR LOCKING THE MALE PART INSIDE THE FEMALE PART

**Abstract:** A female part of an animal-identifying device, which includes a cavity intended to receive a head of a male part of said animal-identifying device. The cavity has a blocking element to hold the head inside the cavity. The blocking element has a base and at least two resilient claws extend from the base towards the entrance of the cavity. The claws are movable between at least two positions, one insertion position enabling the insertion of the head into the cavity and one blocking position enabling the blocking of the male head inside the cavity.

#### Classifications:

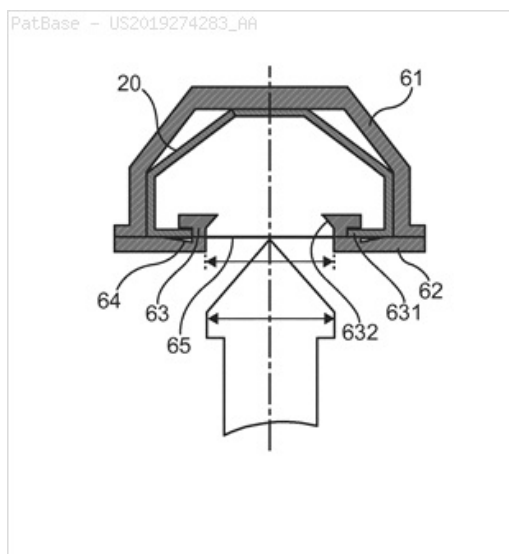
**International (IPC 8-9):** A01K A01K11/00

A44B99/00 (Advanced/Invention);

A01K (Subclass/Invention)

**International (IPC 1-7):** A01K11/00

**CPC:** G09F3/02 A01K11/001



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AR109043 AA        | 20181024         | AR2017P101951      | 20170713         |
| AU2017303135 AA    | 20190307         | AU20170303135      | 20170711         |
| AU2017303135 BB    | 20190516         | AU20170303135      | 20170711         |
| BR112019001118 A2  | 20190430         | BR20191101118      | 20170711         |
| CA3029891 AA       | 20190104         | CA20173029891      | 20170711         |
| CA3029891 C        | 20190416         | CA20173029891      | 20170711         |

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| CN109475102 A    | 20190315 | CN201780046167 | 20170711 |
| CO20190000285 A2 | 20190118 | CO20190000285  | 20190114 |
| EA201990402 A1   | 20190731 | EA20190090402  | 20170711 |
| EP3490370 A1     | 20190605 | EP20170742401  | 20170711 |
| FR3054408 A1     | 20180202 | FR20160057216  | 20160727 |
| FR3054408 B1     | 20190712 | FR20160057216  | 20160727 |
| IL264476 A0      | 20190228 | IL20170264476  | 20170711 |
| IN201817049431 A | 20190322 | IN201817049431 | 20181227 |
| JP2019527063 T2  | 20190926 | JP20190503531T | 20170711 |
| KR102005419 B1   | 20190730 | KR20197002357  | 20170711 |
| KR20190018012 A  | 20190220 | KR20197002357  | 20170711 |
| MX2017008990 A1  | 20171204 | MX20170008990  | 20170707 |
| MX361067 B       | 20181023 | MX20170008990  | 20170707 |
| NZ750774 A       | 20190628 | NZ20170750774  | 20170711 |
| US2019274283 AA  | 20190912 | US20170320336  | 20170711 |
| UY37345 A1       | 20190102 | UY20170037345  | 20170725 |
| WO18019571 A1    | 20180201 | WO2017EP67391  | 20170711 |

#### Priority:

FR20160057216 20160727 WO2017EP67391 20170711

#### Probable Assignee: ALLFLEX EUROPE

**Assignee(s):** (std): ALLFLEX EUROPE SAS ; ALLFLEX EUROPE ; ALLFLEX EUROPE S A

**Assignee(s):** ALLFLEX EUROPE SA ; DECALUWE JOHAN ; DESTOUMIEUX JEAN JACQUES ; HILPERT JEAN JACQUES ; TEYCHENE BRUNO

**Inventor(s):** (std): DESTOUMIEUX JEAN ; JACQUES HILPERT JEAN ; JACQUES DECALUWE JOHAN ; TEYCHENE BRUNO ; DESTOUMIEUX JEAN JACQUES ; HILPERT JEAN JACQUES ; DECALUWE JOHAN ; BRUNO TEYCHENE ; JOHAN DECALUWE ; JEAN JACQUES HILPERT ; JEAN JACQUES DESTOUMIEUX

**Agent(s):** ELLIS TERRY; OYEN WIGGS GREEN AND MUTALA LLP; VIDON BREVETS AND STRATEGIE; CABINET PATRICE VIDON; GUY MARION

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

#### 10) Family number: 33090313 (US2008047177A)

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**Title:** ANIMAL MARKING TAG CONSISTING OF A SHELL COMPRISING TWO COLOURED ELEMENTS

**Abstract:** The invention relates to an animal marking and identification tag which is intended to receive a protrusion using an irreversible joining technique. The inventive tag comprises upper (4) and lower (3) shells which house an electronic member (12) therebetween. The shells (3, 4) are assembled to one another by means of laser welding. The upper shell (4) comprises at least two elements (5, 6) which are assembled such as to extend axially from one another, said elements including a dark base element (5) which serves as an obstacle to the laser beam and a brightly-coloured top element (6) which renders the tag visible.

#### Classifications:

**International (IPC 8-9):** A01K11/00 G09F3/00

H04B1/59 (Advanced/Invention);

A01K11/00 (Advanced/Non-invention);

A01K11/00 H04B1/59 (Core/Invention)

**International (IPC 1-7):** A01K11/00 A01K11/00

**CPC:** A01K11/004 B29C45/0053 B29C45/16 B29C65/1635

B29C65/1683 B29C66/1142 B29C66/1282 B29C66/12841

B29C66/5344 B29C66/54 B29C66/71 B29C66/7212 B29C66/73921

B29K2077/00 B29K2105/06 B29K2995/002 B29L2007/004

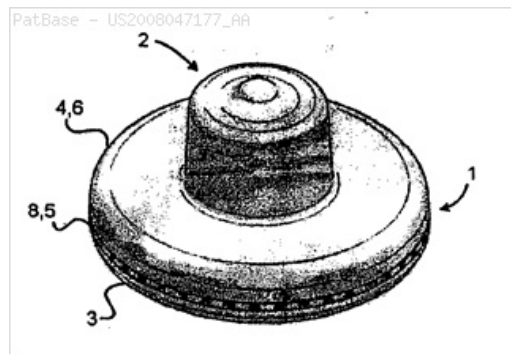
B29L2009/00 G09F3/12

**European:** A01K11/00A A01K11/00A3 B29C65/16 B29C66/54

G09F3/12 L29C45/00J L29C45/16 L29C65/16D4 L29C65/16F

L29K105/06 L29K77/00 L29K995/00E2 L29L7/00D L29L9/00

**US:** 40/301 40/301P



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AR053000 AA        | 20070418         | AR2005P105422      | 20051221         |
| AT402608 E         | 20080815         | AT20050821696T     | 20051220         |
| AU2005318113 AA    | 20060629         | AU20050318113      | 20051220         |
| AU2005318113 BB    | 20110421         | AU20050318113      | 20051220         |
| BRPI0517265 A      | 20081007         | BR2005PI17265      | 20051220         |
| CA2584484 AA       | 20070418         | CA20052584484      | 20051220         |
| CA2584484 C        | 20130514         | CA20052584484      | 20051220         |
| CL2005003390 A1    | 20060804         | CL20050003390      | 20051222         |
| CL44064 B          | 20081030         | CL20050003390      | 20051222         |
| DE602005008643 D1  | 20080911         | DE200560008643T    | 20051220         |
| EP1833293 A2       | 20070919         | EP20050821696      | 20051220         |
| EP1833293 B1       | 20080730         | EP20050821696      | 20051220         |
| ES2310858 T3       | 20090116         | ES20050821696T     | 20051220         |
| FR2879399 A1       | 20060623         | FR20040013725      | 20041222         |
| FR2879399 B1       | 20070216         | FR20040013725      | 20041222         |
| JP2008523839 T2    | 20080710         | JP20070547493T     | 20051220         |
| KR100890294 B1     | 20090326         | KR20077011504      | 20051220         |
| KR20070108356 A    | 20071109         | KR20077011504      | 20070521         |

|                 |          |                |          |
|-----------------|----------|----------------|----------|
| MX2007007741 A1 | 20070816 | MX20070007741  | 20051220 |
| NZ554194 A      | 20100827 | NZ20050554194  | 20051220 |
| PL1833293 T3    | 20090130 | PL20050821696T | 20051220 |
| US2008047177 AA | 20080228 | US20050664671  | 20051220 |
| US7854079 BB    | 20101221 | US20050664671  | 20051220 |
| WO06067152 A2   | 20060629 | WO2005EP56978  | 20051220 |
| WO06067152 A3   | 20061116 | WO2005EP56978  | 20051220 |

**Priority:**

FR20040013725 20041222 EP20050821696 20051220 WO2005EP56978 20051220  
WO2005EP56978 20070521

**Probable Assignee:** ALLFLEX EUROPE SAS

**Assignee(s):** (std): AFFFLEX EUROP SOC PAR ACTIONS ; ALLFLEX EUROP S A S ; ALLFLEX EUROPE SAS ; HILPERT JEAN JACQUES ; HILPERT JEAN J

**Assignee(s):** ALLFLEX EUROPE S A S ; AFFFLEX EUROPE ; AFFFLEX EUROPE SOC PAR ACTIONS SIMPLIFIEE ; AFFFLEX EUROPE SOCIETE PAR ACTIONS SIMPLIFIEE

**Inventor(s):** (std): HILPERT JEAN JACQUES ; HILPERT JEAN J

**Inventor(s):** JEAN JACQUES HILPERT ; HILPERT JEAN

**Agent(s):** ELLIS TERRY; MARKS AND CLERK; HILL AND SCHUMACHER; CLARKE; RAVINA BERNARD; MICHEL ROMAN; BLAKELY SOKOLOFF TAYLOR AND ZAFMAN; KAUTH POMEROY PECK AND BAILEY LLP

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

**11) Family number: 28820860 (US2003121188A)**

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**Title:** Tamper proof ear tag system

**Abstract:** A tamper proof ear tag system for preventing reattachment of an ear tag to a second animal that was removed from a first animal. The tamper proof ear tag system includes an attachment member that is permanently inserted into a receiving member wherein the receiving member is attached to an ear tag. The attachment member is comprised of a main shaft, a flanged portion, and a spiked end that is inserted into the receiving member. The receiving member includes a first opening that extending inwardly within an inner flange for catchably receiving the spiked end of the attachment member.

**Classifications:**

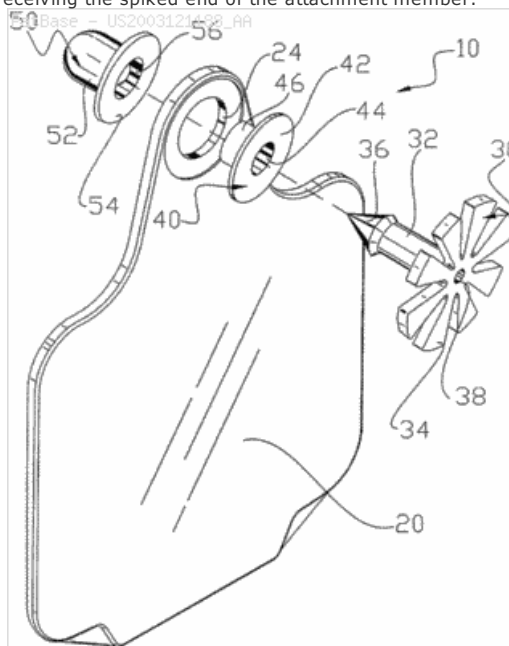
**International (IPC 8-9):** A01K11/00 (Advanced/Invention)

**International (IPC 1-7):** G09F3/00

**CPC:** A01K11/001

**European:** A01K11/00A

**US:** 40/301 40/301P 40/668



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2003121188 AA    | 20030703         | US20020039660      | 20020103         |
| US2003182831 AA    | 20031002         | US20030421169      | 20030422         |
| US6708432 BB       | 20040323         | US20030421169      | 20030422         |

**Priority:**

US20020039660 20020103 US20030421169 20030422

**Probable Assignee:** CARDINAL IND INC

**Assignee(s):** (std): CARDINAL IND INC

**Assignee(s):** CARDINAL INDUSTRIES INC ; CARDINAL INDUSTRIES INC 724 COMMERCE STREET AB ; HAAR KARY ; HANSON JEFF ; VOLZKE DENNIS ; CARDINAL IND

**Inventor(s):** (std): HAAR KARY ; HANSON JEFF ; VOLZKE DENNIS

**12) Family number: 32046431 (AU2004233502A)**

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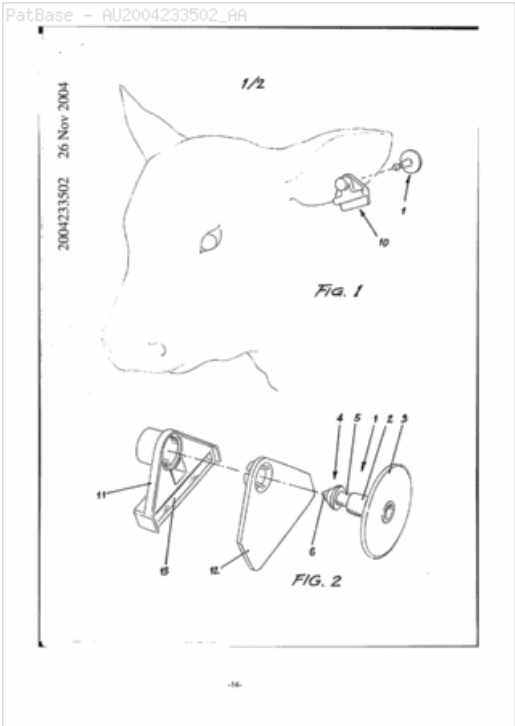
**Title:** IMPROVEMENTS IN ANIMAL IDENTIFICATION TAGS

**Abstract:** -11- O ABSTRACT O Z A tamper-proof or tamper-evident identification tag for an animal includes mating male (1) 5 and female (10) components; the male component includes a barbed head with the female component (10) including means (17) for receiving and retaining that barbed head S(4) such that, once mated, the respective male and female (10) components cannot be r separated without at least one incurring a degree of visible damage. 25/11/04,jfl3773 spc,l 1 N K- C tOOZ AON 9Z Zog tOOZ

**Classifications:**

**International (IPC 8-9):** A01K11/00 (Advanced/Invention);  
A01K11/00 (Core/Invention)

**International (IPC 1-7):** A01K11/00



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2004233502 AA    | 20050616         | AU20040233502      | 20041126         |

**Priority:**

AU20030906700 20031127 AU20040233502 20041126

**Probable Assignee:** LEADER PRODUCTS PTY LTD

**Assignee(s):** (std): LEADER PRODUCTS PTY LTD

**Inventor(s):** (std): DUMBRELL GEOFFREY

**Inventor(s):** GEOFFREY DUMBRELL

**Agent(s):** CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON

**13) Family number: 33301446 (WO07107612A1)**

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**Title:** CROTAL FOR IDENTIFYING ANIMALS

**Abstract:** Crotal, for identifying animals, which consists of a female part in the form of a housing for receiving a respective male part, said female part being composed of a base piece (4) that defines the housing for receiving the male part and a mouth piece (5) that forms the mouth of the housing with means for retaining the male part inserted, which pieces (4) and (5) define complementary means (4.3 and 5.3) for the establishment between them of a retaining clip-fitting during assembly coupling, whilst when said pieces (4 and 5) are joined together they define an intermediate chamber (7) with which openings (4.4) and (4.5) of both pieces (4 and 5) communicate and via which the covering material (6) applied to the whole flows.

**Classifications:**

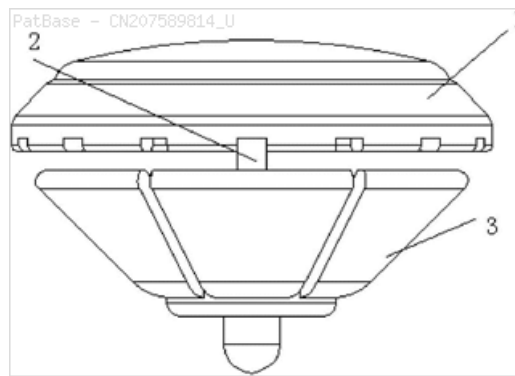
**International (IPC 8-9):** A01F11/00 A01K11/00 (Advanced/Invention);  
A01F11/00 (Core/Invention)

**International (IPC 1-7):** A01K11/0

**CPC:** A01K11/004 A01K11/00 A01K11/001

**European:** A01K11/00 A01K11/00A A01K11/00A3

Fig.2



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| ■ CN108094251 A    | 20180601         | CN201711373287     | 20171219         |
| ■ CN207589814 U    | 20180710         | CN201721778727U    | 20171219         |

**Priority:**

CN201720984084U 20170808

**Probable Assignee:**

YE ZUQIN

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

YE ZUQIN

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

YE ZUQIN