

**Search history**

Search 1: FT=(INSULATOR~ AND ELECTRIC~ FENCE~ AND CUBIC~ AND POST~) (Results 2)

Search 2: FT=(INSULATOR~ AND ELECTRIC~ FENCE~ AND CUBIC~) (Results 2)

Search 3: FT=(INSULATOR~ AND ELECTRIC~ FENCE~) (Results 852)

**Title:** SELECTIVE ANIMAL GATE

**Abstract:** ABSTRACT OF THE DISCLOSURE

An electric gate for animal pens is taught. It selectively obstructs passage of smaller animals and allows passage of larger or adult animals. The gate comprises an electrode which is located within and is partially shielded by an elongated cage or housing over which a larger or adult animal may freely pass without suffering exposure to or contact with the electrode. The walls of the elongated cage have repetitive substantially transversely extending or annular-like open spaces aligned sequentially along the length of the cage. The width of these open spaces is sufficient to allow entry of a leg of predetermined smaller animals and consequent deterrent exposure to the interior electrode. To larger animals, the cage provides unsure footing, causing them to preferentially step over it. The preferred cage is formed of bar-like material or a rod of metal spiralled or looped into a longitudinally extending helical coil. A critical feature of the invention is the elevated mounting of the cage. Means are provided for mounting it in a horizontal manner across the access opening of an animal pen and in spaced or elevated relationship above the floor surface for the access opening. Dung falling through the elevated cage onto the pen floor surface is thus readily accessible for convenient removal. A barrier wall between the cage and the pen floor surface provides an obstruction barring the escape of smaller animals underneath the elevated cage. This application is a continuation-in-part of my application Ser. No. 50,469, filed June 29, 1970, now abandoned.

**Classifications:**

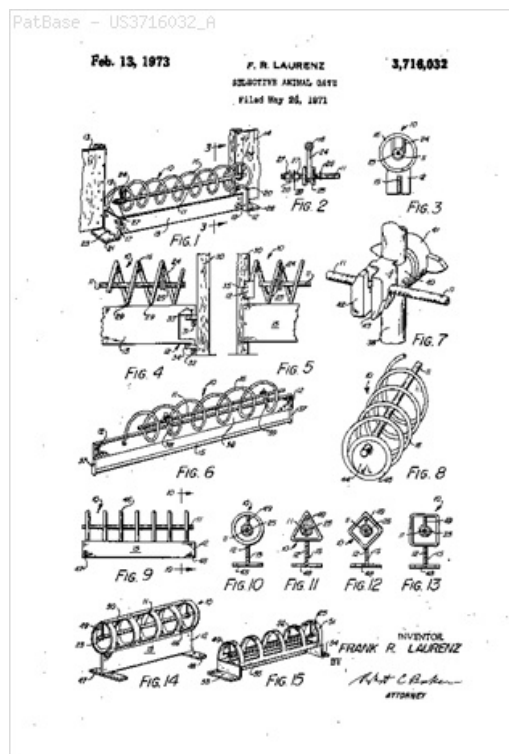
**International (IPC 8-9):** A01K1/00 A01K1/02 (Advanced/Invention);  
A01K1/00 A01K1/02 (Core/Invention)

**International (IPC 1-7):** A01K1/00 A01K1/02 A01K1/10 A01K19/00  
A01K29/00 E06B11/00

**CPC:** A01K1/0005 A01K1/0023

**European:** A01K1/00A A01K1/00A2A

**US:** 119/155 119/841



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CA959116 A1        | 19741210         | CA19710115002      | 19710607         |
| DE2131771 A1       | 19720105         | DE19712131771      | 19710625         |
| FR2100004 A5       | 19720317         | FR19710023526      | 19710628         |
| GB1324899 A        | 19730725         | GB19710029515      | 19710623         |
| SU527125 D         | 19760830         | SU19711676528      | 19710625         |
| US3716032 A        | 19730213         | US19710146982      | 19710526         |

**Priority:**

US19700050469 19700629 US19710146982 19710526

**Probable Assignee:** LAURENZ F R

**Assignee(s):** (std): LAURENZ F ; LAURENZ F R ; LAURENZ FRANK ; LAURENZ FRANK ROBERT ; LAURENZ FRANK R

**Assignee(s):** LAURENZ F US

**Inventor(s):** (std): LAURENZ F ; LAURENZ FRANK R ; ROBERT LAURENZ FRANK

**Inventor(s):** LAURENZ F US

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| DE2131771 A1 | 19720105      | LSPB        | +    | published / reissued                 |         |
| DE2131771 A1 | 19780601      | LSLE        | -OHJ | NON-PAYMENT OF THE ANNUAL FEE        |         |
| FR2100004 A5 | 19720317      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

|              |          |      |       |                                                  |
|--------------|----------|------|-------|--------------------------------------------------|
| FR2100004 A5 | 19780811 | LSLE | -ST   | NOTIFICATION OF LAPSE                            |
| FR2100004 A5 | 19910628 | PEXP |       | Calculated Patent Term Expiry                    |
| GB1324899 A  | 19730725 | LSGT | +     | granted / extensions (spc, cpc, pte)             |
| GB1324899 A  | 19731205 | LSGT | +PS   | PATENT SEALED                                    |
| GB1324899 A  | 19780125 | LSLE | -PLNP | PATENT LAPSED THROUGH NONPAYMENT OF RENEWAL FEES |
| GB1324899 A  | 19910623 | PEXP |       | Calculated Patent Term Expiry                    |
| US3716032 A  | 19730213 | LSGT | +     | granted / extensions (spc, cpc, pte)             |

**Title:** FENCE **INSULATOR** WITH ECCENTRIC POST-ATTACHING MEANS

**Abstract:** An all plastic **insulator** has a body provided with two upwardly facing jaws and an intermediate resilient tongue projecting from one side thereof so as to grip and hold an **electric fence** wire. Projecting from the other side of the body are two vertically spaced ears having aligned holes therein. Between the two ears is placed an eccentric member which also has a hole therein as well as a cam surface that pressurally bears against the body when the eccentric member is rotated sufficiently by a handle or lever thereon. The camming action forcibly displaces the hole in the eccentric member with respect to the holes in the two ears, thereby forcing one wall portion of the hole in the eccentric member against the fence post and reactively forcing wall portions of the holes in the ears against the fence post to thus securely clamp the **insulator** at a desired elevation on the post.

**Classifications:**

**International (IPC 8-9):** H01B17/14 (Advanced/Invention);

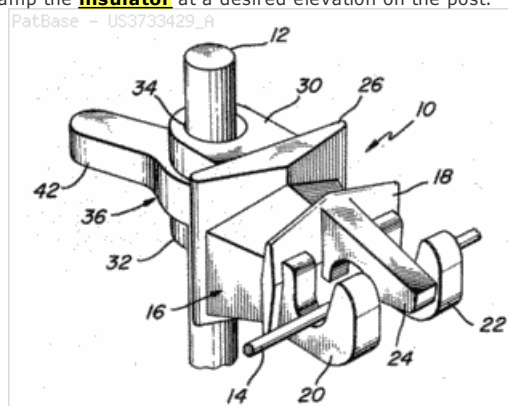
H01B17/14 (Core/Invention)

**International (IPC 1-7):** A01K3/00 H01B17/16

**CPC:** H01B17/145 A01K3/005

**European:** H01B17/14B

**US:** 174/16.1F 174/161F 174/163F 174/175 248/125.1 248/411 248/70



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US3733429 A        | 19730515         | US19720277294      | 19720802         |

**Priority:**

US19720277294 19720802

**Probable Assignee:**

BERG A

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

BERG A ; LANGLIE H

**Assignee(s):**

LANGLIE H US ; BERG A US

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

LANGLIE H ; BERG A

**Inventor(s):**

BERG A US ; LANGLIE H US

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US3733429 A | 19730515      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| US3733429 A | 19920802      | PEXP        |      | Calculated Patent Term Expiry        |         |

Title: **INSULATOR** MOUNTING

**Abstract:** 1. What I claim is: In an **electric fence**, employing a post having therethrough a plurality of transverse holes, one above the other, in combination. a bracket having a horizontal upper arm and a lower arm diverging downwardly therefrom. said arms having at their ends two tongues adapted to be extended respectively through two of said holes, said arms having adjacent said tongues shouldered portions adapted to bear against one side of said post, the lower tongue having a longitudinal slot at the opposite side of said post, a releasable wedge extending through said slot with its converging edges adapted to fit respectively against said post and against the outer end of said slot, so as to hold the adjacent shouldered portion against said post, the other tongue inclining from the horizontal so as to hold the adjacent shouldered portion so as to be adapted to bear against said post, and means adapted to attach an electric conductor supporting **insulator** to said upper arm.

**Classifications:**

**International (IPC 8-9):** H01B17/24 (Advanced/Invention);

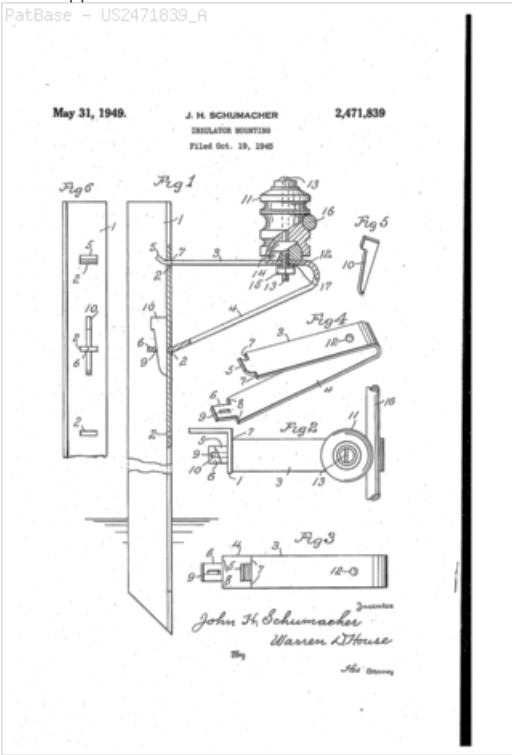
H01B17/00 (Core/Invention)

**International (IPC 1-7):** A01K3/00 H01B17/16

**CPC:** H01B17/24

**European:** H01B17/24

**US:** 174/158F 248/222.13 248/223.31 248/226.12 248/239 248/243 256/10



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2471839 A        | 19490531         | US19450623264      | 19451019         |

**Priority:**

US19450623264 19451019

**Probable Assignee:**

SCHUMACHER JOHN H

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

SCHUMACHER JOHN H

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

SCHUMACHER JOHN H

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US2471839 A | 19490531      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** SISTEMA DE INTERRUPCAO DE CONDUTIVIDADE ELETRICA APLICADA EM CERCAS ELETRICAS ELEVADAS INTERRUPTION OF ELECTRICAL CONDUCTIVITY SYSTEM APPLIED IN HIGH **ELECTRIC FENCES** (Machine translation)

**Abstract:** Source: BR102015005158A [PT] RESUMO: "SISTEMA DE INTERRUPCAO DE CONDUTIVIDADE ELETRICA APLICADA EM CERCAS ELETRICAS ELEVADAS", idealizada um incremento tecnico aplicado em cercas eletricas que pertence ao campo da seguranca, com o proposito de desarmar cercas eletricas quando ha o soerguimento das hastes de sustentacao dos fios de pulso, quando se tenta invadir a area protegida, sendo que tal incremento e realizado por pontes eletricas sequenciais, particularidade tecnica que nao existe no mercado setorial, o sistema em questao complementa segmentos de fios (5), a fim de formar uma ponte eletrica, cujas extremidades deste segmento de fio (5), se conectam as respectivas hastes (3) e fios de pulsos (4), por meio de conectores (6) de simples disjuncao, entre a terceira e quarta haste (3) faz-se a mesma instalacao de ponte eletrica e assim por diante para os demais pares de hastes (3), ao se soerguer qualquer haste (3) para fins de invasao da area protegida pela cerca eletrica, faz com que o respectivo conector (6) da ponte eletrica, se desconecte dos fios de pulsos (4), o que causa a interrupcao do fechamento do circuito eletrico e simultaneo disparo da sirene da cerca eletrica **Machine translation:** Summary: "INTERRUPTION OF ELECTRICAL CONDUCTIVITY SYSTEM APPLIED IN HIGH **ELECTRIC FENCES**", created an increase in **electric fences** technician that belongs to the field of security, with the purpose to disarm **electric fences** when there's the uplift of the support rods, wires when trying to break into the protected area, and such increase and directed by sequential electric bridges technical peculiarity that does not exist, the sectorial market, the system in question complements wire segments (5), in order to form an electrical bridge, whose ends of this wire segment (5), connect their rods (3) and (4) pulses by means of connectors (6) of simple disjunction, between the third and fourth stem (3) it is the same installation of electric bridge and so on for the other pairs of rods (3) to raise any stem (3) for the purpose of invasion of the area protected by the **electric fence**, causes the corresponding connector (6) of the electric bridge, disconnects the wires of pulses (4), which causes the interruption of the electric circuit and simultaneous lock siren clock **electric fence**

**Classifications:**

**International (IPC 8-9):** E04H17/02 H02H5/10 H02H5/12  
H05C3/00 (Advanced/Invention)

PatBase - BR102015005158\_A2

1/2

FIG. 1

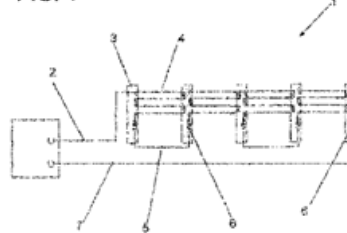
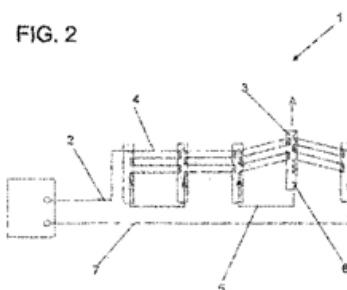


FIG. 2



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| BR102015005158 A2  | 20160913         | BR20151005158      | 20150309         |

**Priority:**

BR20151005158 20150309

**Probable Assignee:**

SOUZA CARLOS ALBERTO GONCALVES DE

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

SOUZA CARLOS ALBERTO GONCALVES DE

**Assignee(s):**

CARLOS ALBERTO GONCALVES DE SOUZA

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

SOUZA CARLOS ALBERTO GONCALVES DE

**Inventor(s):**

CARLOS ALBERTO GONCALVES DE SOUZA

**Legal status (INPADOC)**

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| Patent            | Date recorded | Event group | Code | Event                                                                                                           | Details |
|-------------------|---------------|-------------|------|-----------------------------------------------------------------------------------------------------------------|---------|
| BR102015005158 A2 | 20160913      | LSPB        | +    | published / reissued                                                                                            |         |
| BR102015005158 A2 | 20160913      | LSPB        | B03A | PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION |         |

|                   |          |      |       |                                                                                             |
|-------------------|----------|------|-------|---------------------------------------------------------------------------------------------|
| BR102015005158 A2 | 20180306 | LSFE | -B08F | APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW                         |
| BR102015005158 A2 | 20180626 | LSLE | -B08K | LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87) |

**Title: ELECTRIC FENCE INSULATOR**

**Abstract:** An **insulator** for an **electric fence** of the type having posts, electric wire, and **insulators** mounted on the posts for supporting the wire, the **insulator** including a body portion having a closed end opposite an open end to define a blind bore having a substantially continuous sidewall; a support extending from the body for supporting the wire, and a plurality of ribs radially disposed within the blind bore and extending away from the sidewall toward a central portion of the bore.

**Classifications:**

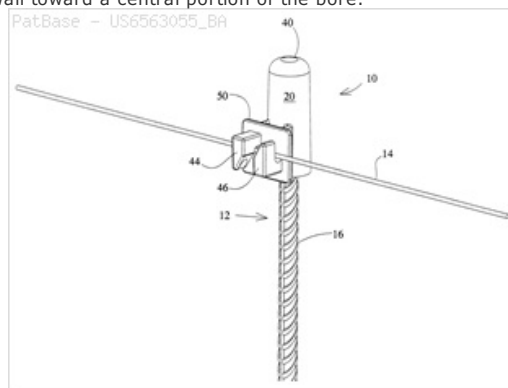
**International (IPC 8-9):** H01B17/14 (Advanced/Invention);  
H01B17/14 (Core/Invention)

**International (IPC 1-7):** H01B1/738 H01B17/38

**CPC:** H01B17/145

**European:** H01B17/14B

**US:** 174/138G 174/154 174/158F 174/158R 174/161F 174/161R 174/163F  
174/163R 174/168 174/188

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US6563055 BA       | 20030513         | US20020085162      | 20020227         |

**Priority:**

US20020085162 20020227

**Probable Assignee:** WOODSTREAM CORP

**Assignee(s):** (std): FI SHOCK INC

**Assignee(s):** WOODSTREAM CORP ; SENORET CHEMICAL CO ; PERKY PET PRODUCTS INC ; CALIFORNIA PLASTIC PRODUCTS INC ; GENERAL ELECTRIC CAPITAL COLLATERAL AGENT AS CORP ; ALLIED CAPITAL CORP ; ANTARES CAPITAL AGENT AS CORP ; ANTARES CAPITAL CORP ; ARES CAPITAL COLLATERAL AGENT AS CORP

**Inventor(s):** (std): BURDICK BRETT R

**Inventor(s):** BRETT R BURDICK

**Agent(s):** LUEDEKA NEELY AND GRAHAM PC

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code | Event                                | Details                                                                                                                                                                                        |
|--------------|---------------|-------------|------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US6563055 BA | 20030513      | LSGT        | +    | granted / extensions (spc, cpc, pte) |                                                                                                                                                                                                |
| US6563055 BA | 20020227      | LSAS        | AS   | ASSIGNMENT                           | PARTYTYPE : OWNER<br>OWNER : FI-SHOCK, INC., TENNESSEE<br>OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: BURDICK, BRETT R.; REEL/FRAME: 012661/0421<br>EFFECTIVE DATE : 20020218       |
| US6563055 BA | 20030424      | LSGT        | PAT1 | Patented Case                        |                                                                                                                                                                                                |
| US6563055 BA | 20030424      | LSGT        | STCF | INFORMATION ON STATUS: PATENT GRANT  | TEXT : PATENTED CASE                                                                                                                                                                           |
| US6563055 BA | 20050222      | LSAS        | AS   | ASSIGNMENT                           | PARTYTYPE : OWNER<br>OWNER : ANTARES CAPITAL CORPORATION, AS AGENT, ILLINOIS<br>OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: FI-SHOCK, INC.; REEL/FRAME: 015698/0120<br>EFFECTIVE DATE : 20050211  |
| US6563055 BA | 20050422      | LSAS        | AS   | ASSIGNMENT                           | PARTYTYPE : OWNER<br>OWNER : ALLIED CAPITAL CORPORATION, DISTRICT OF COLUMBIA<br>OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: FI-SHOCK, INC.; REEL/FRAME: 016480/0604<br>EFFECTIVE DATE : 20050211 |

|              |          |      |       |             |                                                                                                                                                                                                                                                       |
|--------------|----------|------|-------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US6563055 BA | 20070413 | LSFE | +FPAY | FEE PAYMENT | YEAR OF FEE PAYMENT : 4                                                                                                                                                                                                                               |
| US6563055 BA | 20070830 | LSAS | AS    | ASSIGNMENT  | PARTYTYPE : OWNER<br>OWNER : FI-SHOCK, INC., PENNSYLVANIA<br>OLDPARTY : RELEASE BY SECURED PARTY;<br>ASSIGNOR:ALLIED CAPITAL CORPORATION;<br>REEL/FRAME:019767/0081<br>EFFECTIVE DATE : 20070822                                                      |
| US6563055 BA | 20070831 | LSAS | AS    | ASSIGNMENT  | PARTYTYPE : OWNER<br>OWNER : ANTARES CAPITAL CORPORATION, AS<br>AGENT, ILLINOIS<br>OLDPARTY : SECURITY AGREEMENT;<br>ASSIGNOR:WOODSTREAM CORPORATION;<br>REEL/FRAME:019767/0341<br>EFFECTIVE DATE : 20070822                                          |
| US6563055 BA | 20070831 | LSAS | AS    | ASSIGNMENT  | PARTYTYPE : OWNER<br>OWNER : ANTARES CAPITAL CORPORATION, AS<br>AGENT,ILLINOIS<br>OLDPARTY : SECURITY AGREEMENT;<br>ASSIGNOR:WOODSTREAM CORPORATION;<br>REEL/FRAME:019767/0341<br>EFFECTIVE DATE : 20070822                                           |
| US6563055 BA | 20070905 | LSAS | AS    | ASSIGNMENT  | PARTYTYPE : OWNER<br>OWNER : WOODSTREAM CORPORATION,<br>PENNSYLVANIA<br>OLDPARTY : MERGER; ASSIGNOR:FI-SHOCK,<br>INC.; REEL/FRAME:019805/0436<br>EFFECTIVE DATE : 20060331                                                                            |
| US6563055 BA | 20070905 | LSAS | AS    | ASSIGNMENT  | PARTYTYPE : OWNER<br>OWNER : WOODSTREAM<br>CORPORATION,PENNSYLVANIA<br>OLDPARTY : MERGER; ASSIGNOR:FI-SHOCK,<br>INC.; REEL/FRAME:019805/0436<br>EFFECTIVE DATE : 20060331                                                                             |
| US6563055 BA | 20101105 | LSFE | +FPAY | FEE PAYMENT | YEAR OF FEE PAYMENT : 8                                                                                                                                                                                                                               |
| US6563055 BA | 20140820 | LSFE | +FPAY | FEE PAYMENT | YEAR OF FEE PAYMENT : 12                                                                                                                                                                                                                              |
| US6563055 BA | 20150609 | LSAS | AS    | ASSIGNMENT  | PARTYTYPE : OWNER<br>OWNER : GENERAL ELECTRIC CAPITAL<br>CORPORATION, AS COLLATERA<br>OLDPARTY : SECURITY INTEREST;<br>ASSIGNOR:WOODSTREAM CORPORATION;<br>REEL/FRAME:035861/0104<br>EFFECTIVE DATE : 20150529                                        |
| US6563055 BA | 20170628 | LSAS | AS    | ASSIGNMENT  | PARTYTYPE : OWNER<br>OWNER : WOODSTREAM CORPORATION,<br>PENNSYLVANIA<br>OLDPARTY : RELEASE OF SECURITY INTEREST<br>RECORDED AT REEL/FRAME 19767/0341;<br>ASSIGNOR:ANTARES CAPITAL CORPORATION;<br>REEL/FRAME:043031/0901<br>EFFECTIVE DATE : 20150529 |
| US6563055 BA | 20170712 | LSAS | AS    | ASSIGNMENT  | PARTYTYPE : OWNER<br>OWNER : PERKY-PET PRODUCTS, INC.,<br>COLORADO<br>OLDPARTY : RELEASE BY SECURED PARTY;<br>ASSIGNOR:ANTARES CAPITAL CORPORATION;<br>REEL/FRAME:043177/0044<br>EFFECTIVE DATE : 20170621                                            |
| US6563055 BA | 20170712 | LSAS | AS    | ASSIGNMENT  | PARTYTYPE : OWNER<br>OWNER : CALIFORNIA PLASTIC PRODUCTS,<br>INC., COLORADO<br>OLDPARTY : RELEASE BY SECURED PARTY;<br>ASSIGNOR:ANTARES CAPITAL CORPORATION;<br>REEL/FRAME:043177/0044<br>EFFECTIVE DATE : 20170621                                   |
| US6563055 BA | 20170712 | LSAS | AS    | ASSIGNMENT  | PARTYTYPE : OWNER<br>OWNER : SENORET CHEMICAL COMPANY,<br>MISSOURI<br>OLDPARTY : RELEASE BY SECURED PARTY;<br>ASSIGNOR:ANTARES CAPITAL CORPORATION;<br>REEL/FRAME:043177/0044<br>EFFECTIVE DATE : 20170621                                            |
| US6563055 BA | 20170712 | LSAS | AS    | ASSIGNMENT  | PARTYTYPE : OWNER<br>OWNER : WOODSTREAM CORPORATION,<br>PENNSYLVANIA                                                                                                                                                                                  |

|              |          |      |    |                                     |                                                                                                                                                                                                                                                     |
|--------------|----------|------|----|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              |          |      |    |                                     | OLDPARTY : RELEASE BY SECURED PARTY;<br>ASSIGNOR:ANTARES CAPITAL CORPORATION;<br>REEL/FRAME:043177/0044<br>EFFECTIVE DATE : 20170621                                                                                                                |
| US6563055 BA | 20170712 | LSAS | AS | ASSIGNMENT                          | PARTYTYPE : OWNER<br>OWNER : FI-SHOCK, INC., PENNSYLVANIA<br>OLDPARTY : RELEASE BY SECURED PARTY;<br>ASSIGNOR:ANTARES CAPITAL CORPORATION;<br>REEL/FRAME:043177/0044<br>EFFECTIVE DATE : 20170621                                                   |
| US6563055 BA | 20170713 | LSAS | AS | ASSIGNMENT                          | PARTYTYPE : OWNER<br>OWNER : WOODSTREAM CORPORATION,<br>PENNSYLVANIA<br>OLDPARTY : RELEASE OF SECURITY INTEREST<br>RECORDED AT REEL/FRAME 035861/0104;<br>ASSIGNOR:GENERAL ELECTRIC COMPANY;<br>REEL/FRAME:043181/0195<br>EFFECTIVE DATE : 20170621 |
| US6563055 BA | 20170724 | LSAS | AS | ASSIGNMENT                          | PARTYTYPE : OWNER<br>OWNER : ARES CAPITAL CORPORATION, AS<br>COLLATERAL AGENT, NEW<br>OLDPARTY : SECURITY INTEREST;<br>ASSIGNOR:WOODSTREAM CORPORATION;<br>REEL/FRAME:043319/0705<br>EFFECTIVE DATE : 20170621                                      |
| US6563055 BA | 20170724 | LSAS | AS | ASSIGNMENT                          | PARTYTYPE : OWNER<br>OWNER : ARES CAPITAL CORPORATION, AS<br>COLLATERAL AGENT, NEW YORK<br>OLDPARTY : SECURITY INTEREST;<br>ASSIGNOR:WOODSTREAM CORPORATION;<br>REEL/FRAME:043319/0705<br>EFFECTIVE DATE : 20170621                                 |
| US6563055 BA | 20220227 | PEXP |    | Calculated<br>Patent Term<br>Expiry |                                                                                                                                                                                                                                                     |

**Title:** Isolator fuer einen Elektrozaun

**Abstract:** Source: DE102006050462A1 [DE] Es wird ein Isolator fuer einen Elektrozaun, wie einen Weidezaun oder dergleichen, vorgeschlagen, der mit wenigstens zwei Befestigungsschenkeln (4, 5) und einem dazwischenliegenden Zwischenraum (10) zur Aufnahme eines Zaunpfostens (12) mit einem Gegenstueck (7) zur Befestigung an der freien Seite der Befestigungsschenkel (4, 5) versehen ist. Ein erfindungsgemaesser Isolator soll seitlich auf einen Zaunpfosten anzubringen und dabei einfach und problemlos in der Handhabung sein. Dies wird erfindungsgemaess dadurch erreicht, dass das Gegenstueck drehfest mit einem Abstandshalter verbunden ist.

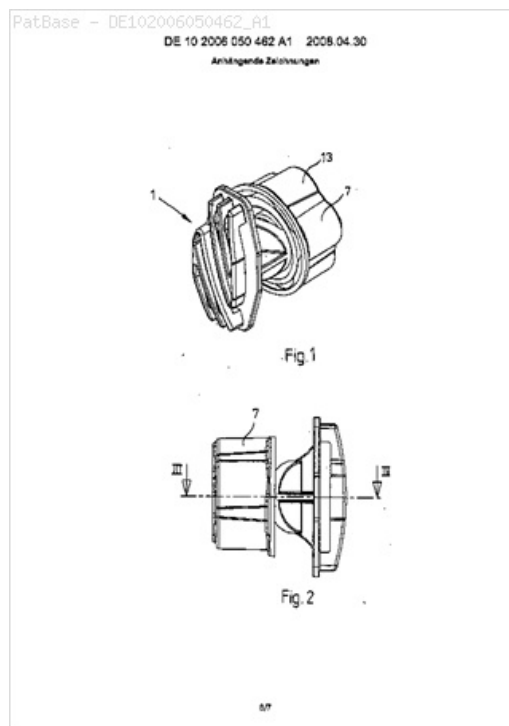
**Classifications:**

**International (IPC 8-9):** A01K3/00 H01B17/16 H01B17/20 H01B17/24 H05C1/02 (Advanced/Invention);

A01K3/00 H01B17/00 H01B17/14 H05C1/00 (Core/Invention)

**CPC:** A01K3/005 H01B17/145 H05C1/00

**European:** A01K3/00C H01B17/14B H05C1/00



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE102006050462 A1  | 20080430         | DE200610050462     | 20061020         |
| DE102006050462 B4  | 20090129         | DE200610050462     | 20061020         |
| FR2907312 A1       | 20080425         | FR20070007328      | 20071019         |
| FR2907312 B1       | 20110318         | FR20070007328      | 20071019         |

**Priority:**

DE200610050462 20061020

**Probable Assignee:** ALBERT KERBL GMBH

**Assignee(s):** (std): ALBERT KERBL GMBH

**Inventor(s):** (std): TOBIAS PETER ; PETER TOBIAS

**Agent(s):** DENNEMEYER AND ASSOCIATES SA

**Legal status (INPADOC)**

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| Patent            | Date recorded | Event group | Code  | Event                                                 | Details                 |
|-------------------|---------------|-------------|-------|-------------------------------------------------------|-------------------------|
| DE102006050462 A1 | 20080430      | LSPB        | +     | published / reissued                                  |                         |
| DE102006050462 A1 | 20080430      | LSES        | +OP8  | REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW |                         |
| DE102006050462 B4 | 20090129      | LSGT        | +     | granted / extensions (spc, cpc, pte)                  |                         |
| DE102006050462 B4 | 20090723      | LSGT        | +8364 | NO OPPOSITION DURING TERM OF OPPOSITION               |                         |
| DE102006050462 B4 | 20261020      | PEXP        |       | Calculated Patent Term Expiry                         |                         |
| FR2907312 A1      | 20080425      | LSPB        | +     | published / reissued                                  |                         |
| FR2907312 B1      | 20110318      | LSGT        | +     | granted / extensions (spc, cpc, pte)                  |                         |
| FR2907312 B1      | 20151023      | LSFE        | +PLFP | FEE PAYMENT                                           | YEAR OF FEE PAYMENT : 9 |

|              |          |      |       |                               |                             |
|--------------|----------|------|-------|-------------------------------|-----------------------------|
| FR2907312 B1 | 20161020 | LSFE | +PLFP | FEE PAYMENT                   | YEAR OF FEE<br>PAYMENT : 10 |
| FR2907312 B1 | 20171024 | LSFE | +PLFP | FEE PAYMENT                   | YEAR OF FEE<br>PAYMENT : 11 |
| FR2907312 B1 | 20181022 | LSFE | +PLFP | FEE PAYMENT                   | YEAR OF FEE<br>PAYMENT : 12 |
| FR2907312 B1 | 20191028 | LSFE | +PLFP | FEE PAYMENT                   | YEAR OF FEE<br>PAYMENT : 13 |
| FR2907312 B1 | 20271019 | PEXP |       | Calculated Patent Term Expiry |                             |

**Title:** Gate handle for an **electric fence**

**Abstract:** A tubular plastic casing has a coil spring contained therein. A first rod member is hooked to the spring at one end of the casing, the rod member having a shank extending axially through the spring and outwardly through the opposite end of the casing. A hook is provided on the projecting end of this rod member for releasably engaging a post-mounted anchor. A second rod member, which is reversely bent, has its two adjacent ends hooked to the spring at the other end of the casing, the parallel shanks thereof extending through the spring and outwardly through the said one end of the casing so that the projecting reversely bent end can be attached to a length of **electric fence** wire. The tubular casing has a hand grip portion which is grasped when the gate is to be opened, the moving of the casing toward the gate anchor compressing the coil spring so that the hook on the first rod member can be readily disengaged from the anchor to permit passage through the gate.

**Classifications:**

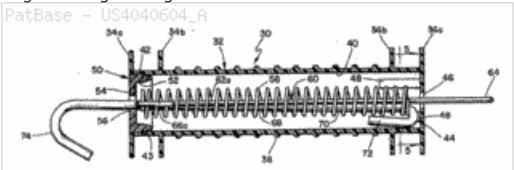
**International (IPC 8-9):** A01K3/00 (Advanced/Invention);  
A01K3/00 (Core/Invention)

**International (IPC 1-7):** A01K3/00

**CPC:** A01K1/0017 A01K3/005

**European:** A01K1/00A2 A01K3/00C

**US:** 174/40TD 256/10



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US4040604 A        | 19770809         | US19760672800      | 19760401         |

**Priority:**

US19760672800 19760401

**Probable Assignee:** BERG JR ALBERT T

**Assignee(s):** (std): BERG JR ALBERT T ; LANGLIE HOWARD

**Inventor(s):** (std): LANGLIE HOWARD ; BERG JR ALBERT T

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US4040604 A | 19770809      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** **Electric fence** holder

**Abstract:** An **electric fence** holder. Two embodiments can be produced from a common mold cavity. Both embodiments comprise a strap formed of resilient plastic with a wire retaining bracket formed at the center. The first embodiment is longer than the second and has clamps at its ends for engaging the strands of an existing fence. The second embodiment, formed by blocking the outer portions of the mold cavity, has holes in its ends for mounting the strap on a stake that has been driven into the ground. In both embodiments an electrically conductive wire is held by the wire-retaining bracket out of grounding contact with the existing fence or stake. Flexing either strap into a bow for installation locks the conductive wire in place.

**Classifications:**

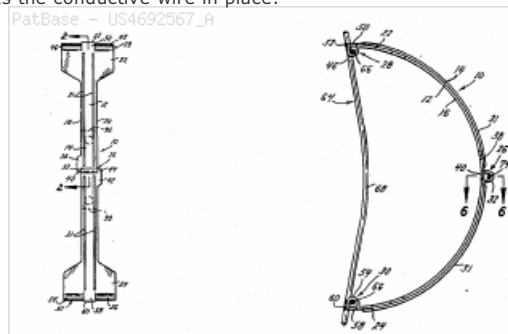
**International (IPC 8-9):** H01B17/14 (Advanced/Invention);  
H01B17/14 (Core/Invention)

**International (IPC 1-7):** A01K3/00 H01B17/16

**CPC:** H01B17/145

**European:** H01B17/14B

**US:** 174/158F 174/160 174/161F 174/175 256/10 264/297.1



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US4692567 A        | 19870908         | US19850733874      | 19850514         |

**Priority:**

US19850733874 19850514

**Probable Assignee:**

CRUM DONALD L

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

CRUM DONALD L

**Assignee(s):**

BETTIS JOY ANN ; BETTIS JOY ANN R R

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

CRUM DONALD L

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent      | Date recorded | Event group | Code  | Event                                                                   | Details                                                                                                                                                                                                                   |
|-------------|---------------|-------------|-------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US4692567 A | 19870908      | LSGT        | +     | granted / extensions (spc, cpc, pte)                                    |                                                                                                                                                                                                                           |
| US4692567 A | 19870521      | LSAS        | AS    | ASSIGNMENT                                                              | PARTYTYPE : OWNER<br>OWNER : BETTIS, JOY ANN, R. R. 2,<br>CARLINVILLE, ILL. 62626<br>OLDPARTY : ASSIGNMENT OF<br>ASSIGNORS INTEREST.;<br>ASSIGNOR:CRUM, DONALD L.;<br>REEL/FRAME:004712/0798<br>EFFECTIVE DATE : 19870519 |
| US4692567 A | 19910908      | LSLE        | -LAPS | LAPSE FOR FAILURE TO PAY MAINTENANCE FEES                               |                                                                                                                                                                                                                           |
| US4692567 A | 19910908      | LSLE        | -PEX1 | Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362 |                                                                                                                                                                                                                           |
| US4692567 A | 19910908      | LSLE        | -STCH | INFORMATION ON STATUS: PATENT DISCONTINUATION                           | TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362                                                                                                                                            |
| US4692567 A | 19911126      | LSLE        | -FP   | EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE                           | EFFECTIVE DATE : 19910908                                                                                                                                                                                                 |

**Title:** A GATE CONTROL.

**Abstract:** The opening (1) between a pair of fence posts (2) is controlled by a flexible coiled wire (5) connected from one post (2) at one end to a catch (9) at the other end. A control module (13) enables the time and day to be set at which the catch (9) will automatically release the wire (5) and also operate an audible signalling means (14). Animals restrained from passing through the opening (1) by the wire (5) preferably electrified by being connected through a lead (11) to one of the electrified wires (3) of an electric fence, will become conditioned by the sounding of the horn (14) to appreciate that the gate is now open so that they can now pass through e.g. into the next pasture.

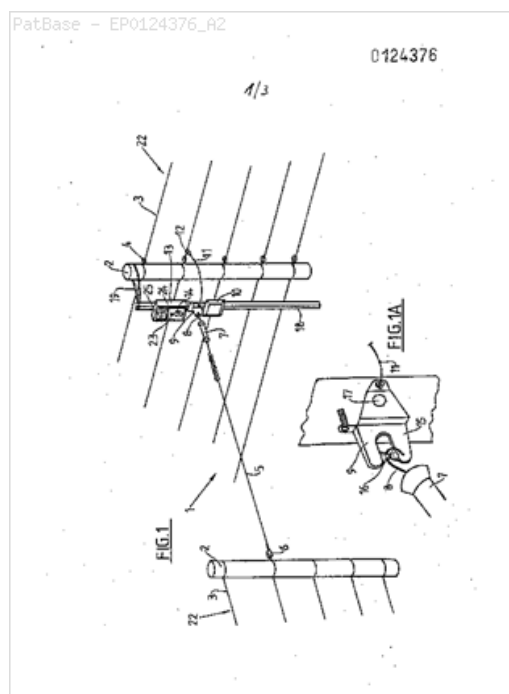
**Classifications:**

**International (IPC 8-9):** A01K3/00 E06B11/02 (Advanced/Invention);  
A01K3/00 E06B11/00 (Core/Invention)

**International (IPC 1-7):** A01K3/00 E06B11/00 E06B11/02

**CPC:** A01K1/0017 A01K3/005 E06B11/021

**European:** A01K1/00A2 A01K3/00C E06B11/02B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU198427534 A1     | 19841101         | AU19840027534      | 19840427         |
| DK213984 A         | 19841029         | DK19840002139      | 19840427         |
| DK213984 A0        | 19840427         | DK19840002139      | 19840427         |
| EP0124376 A2       | 19841107         | EP19840302882      | 19840427         |
| EP0124376 A3       | 19861015         | EP19840302882      | 19840427         |
| ZA8403170 A        | 19850925         | ZA19840003170      | 19840427         |

**Priority:**

NZ19830204035 19830428

**Probable Assignee:** DAIRY DEV LTD

**Assignee(s):** (std): DAIRY DEV LTD

**Assignee(s):** DAIRY DEVELOPMENTS LIMITED ; DAIRY DEVELOPMENTS LTD

**Inventor(s):** (std): HARVEY DONALD JAMES ; HARVEY BRUCE JAMES

**Inventor(s):** BRUCE JAMES HARVEY ; DONALD JAMES HARVEY

**Agent(s):** WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD

**Designated states:** BE FR GB LU NL

**Legal status (INPADOC)**

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| Patent         | Date recorded | Event group | Code | Event                                  | Details                   |
|----------------|---------------|-------------|------|----------------------------------------|---------------------------|
| AU198427534 A1 | 19841101      | LSPB        | +    | published / reissued                   |                           |
| DK213984 A     | 19841029      | LSPB        | +    | published / reissued                   |                           |
| DK213984 A     | 19870101      | LSWD        | -AHB | APPLICATION SHELVED DUE TO NON-PAYMENT |                           |
| EP0124376 A2   | 19841107      | LSPB        | +    | published / reissued                   |                           |
| EP0124376 A3   | 19871209      | LSDW        | -18D | APPLICATION DEEMED TO BE WITHDRAWN     | EFFECTIVE DATE : 19870416 |
| ZA8403170 A    | 19850925      | LSGT        | +    | granted / extensions (spc, cpc, pte)   |                           |



**Title:** HIGH POWER PROTECTOR FOR ELECTRIC ANTI-INTRUDER FENCE - CONSISTS OF SPARK GAP BETWEEN TWO IDENTICAL SPHERES WITH DIA. LARGE W.R.T. SPARK GAP

**Abstract:** The very high power protection device, for an electrified anti-intruder fence, has at least one spark-gap consisting of a first sphere connected to the line conductor and a second sphere connected to earth. The spheres have the same diameter which is at least 5 times as great as the distance separating the spheres. The spheres are mounted on supports inside a closed box and the distance between them and the nearest wall of the box is at least 5 times the sphere radius.

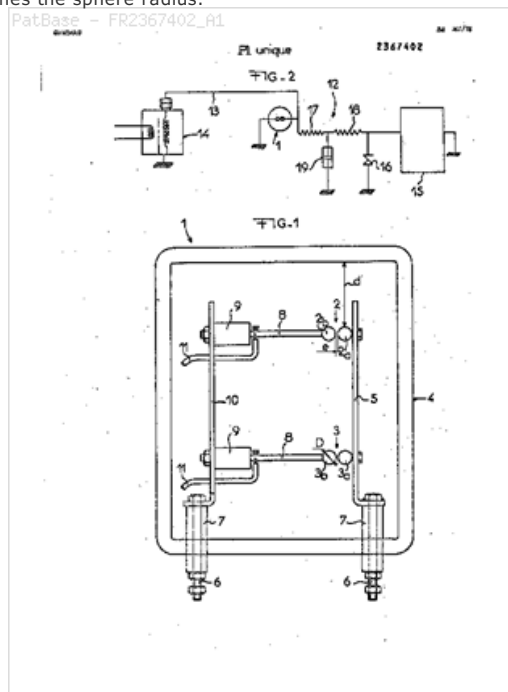
**Classifications:**

**International (IPC 8-9):** H05C3/00 (Advanced/Invention);  
H05C3/00 (Core/Invention)

**International (IPC 1-7):** H01T3/00 H02H1/04 H05C3/00

**CPC:** H05C3/00

**European:** 21C61T3/00 H05C3/00



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR2367402 A1       | 19780505         | FR19760030033      | 19761006         |
| FR2367402 B1       | 19800530         | FR19760030033      | 19761006         |

**Priority:**

FR19760030033 19761006

**Probable Assignee:**

VIGIFEU

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

VIGIFEU

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| FR2367402 A1 | 19780505      | LSPB        | +    | published / reissued                 |         |
| FR2367402 A1 | 19780630      | LSAS        | TP   | TRANSMISSION OF PROPERTY             |         |
| FR2367402 B1 | 19800530      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| FR2367402 B1 | 19930827      | LSLE        | -ST  | NOTIFICATION OF LAPSE                |         |
| FR2367402 B1 | 19961006      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** UNIVERSAL COMPONENT FOR ELECTRICAL PYLON

**Abstract:** An insulating body with damp-inhibiting surface is formed with two hooks (7, 9) open in the same direction. Between the hooks, in another direction, is an open hook (8) and fixtures (10, 11) for a wire stirrup of electrically conductive material. Narrow ridges (5, 6) are provided for clamping an elastic line between two flanges (3, 4). Between the two hooks a further hook (8) is open in the direction of a fixture screw (1) for the universal component. The flanges act as moisture inhibitors.

**Classifications:**

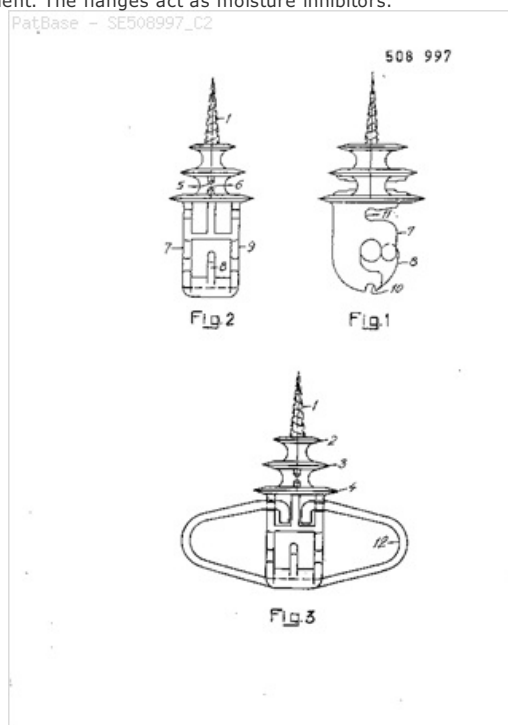
**International (IPC 8-9):** A01K3/00 H01B17/14 (Advanced/Invention);  
A01K3/00 H01B17/14 (Core/Invention);

H01B (Subclass/Invention)

**International (IPC 1-7):** A01K3/00 H01B17/14

**CPC:** A01K3/005 H01B17/145

**European:** A01K3/00C H01B17/14B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| SE508997 C2        | 19981123         | SE19970003880      | 19971024         |
| SE9703880 A        | 19981123         | SE19970003880D     | 19971024         |
| SE9703880 A0       | 19971024         | SE19970003880      | 19971024         |
| SE9703880 L        | 19981123         | SE19970003880      | 19971024         |

**Priority:**

SE19970003880 19971024

**Probable Assignee:**

NORDBERG FRED

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

NORDBERG FRED

**Assignee(s):**

FRED NORDBERG

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

NORDBERG FRED

**Inventor(s):**

FRED NORDBERG

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details          |
|-------------|---------------|-------------|------|--------------------------------------|------------------|
| SE508997 C2 | 19981123      | LSGT        | +    | granted / extensions (spc, cpc, pte) |                  |
| SE508997 C2 | 20020604      | LSLE        | -NUG | PATENT HAS LAPSED                    | TEXT : 9703880-6 |
| SE508997 C2 | 20171024      | PEXP        |      | Calculated Patent Term Expiry        |                  |
| SE9703880 A | 19981123      | LSPB        | +    | published / reissued                 |                  |

**Title:** WIRECLAMP

**Abstract:** The invention relates to a method and equipment for affixing the wire of an **electric fence** to the fencepost. The object of the invention is to present a method and equipment for erection of **electric fences** that is convenient whether for mounting an **electric fence** or dismounting and is made in such way that no tools are needed and there is no risk of damaging the equipment when mounting or dismounting. The equipment comprises three hollow cylinders needed to affix each wire to the fencepost, the innermost cylinder insulates the fencepost from the electric wire, the electric wire is placed in a slot in the middle cylinder and the outermost cylinder is slid over the wire and restrains it in the slot.

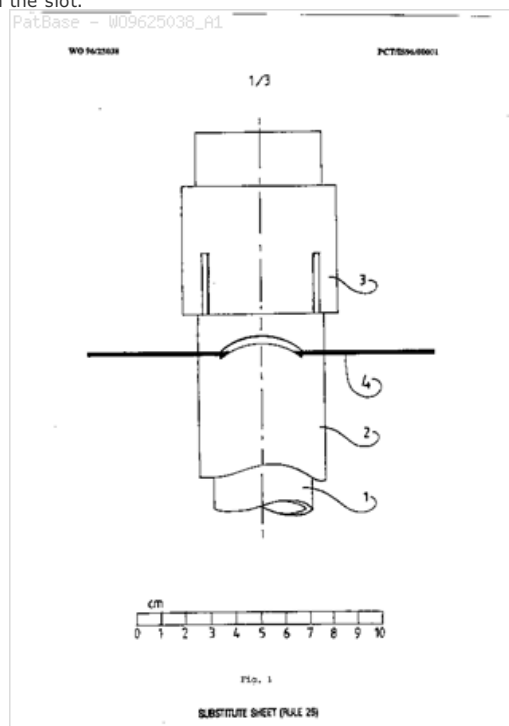
**Classifications:**

**International (IPC 8-9):** A01K3/00 E04H17/12 (Advanced/Invention);  
A01K3/00 E04H17/02 (Core/Invention)

**International (IPC 1-7):** A01K3/00 E04H17/00 E04H17/12

**CPC:** A01K3/005 E04H17/12

**European:** A01K3/00C E04H17/12



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU199650137 A1     | 19960904         | AU19960050137      | 19960214         |
| IS1710 B           | 19981230         | IS19950004262      | 19950215         |
| IS4262 A           | 19960816         | IS19950004262      | 19950215         |
| WO9625038 A1       | 19960822         | WO1996IS00001      | 19960214         |

**Priority:**

IS19950004262 19950215 WO1996IS00001 19960214

**Probable Assignee:** HARTHARSON EINAR

**Assignee(s):** (std): EINAR HARDARSON ; HARDARSON EINAR ; HARTHARSON EINAR

**Assignee(s):** EINAR HARTHARSON

**Inventor(s):** (std): HARDARSON EINAR ; HARTHARSON EINAR

**Inventor(s):** EINAR HARTHARSON ; EINAR HARDARSON

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

**Legal status (INPADOC)**

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| Patent         | Date recorded | Event group | Code | Event                                | Details                                              |
|----------------|---------------|-------------|------|--------------------------------------|------------------------------------------------------|
| AU199650137 A1 | 19960904      | LSPB        | +    | published / reissued                 |                                                      |
| IS1710 B       | 19981230      | LSGT        | +    | granted / extensions (spc, cpc, pte) |                                                      |
| IS1710 B       | 20150215      | PEXP        |      | Calculated Patent Term Expiry        |                                                      |
| IS4262 A       | 19960816      | LSPB        | +    | published / reissued                 |                                                      |
| WO9625038 A1   | 19960822      | LSPB        | +    | published / reissued                 |                                                      |
| WO9625038 A1   | 19971218      | LSWD        | REG  | REFERENCE TO NATIONAL CODE           | REF COUNTRY CODE : DE<br>REF LEGAL EVENT CODE : 8642 |

|              |          |      |      |                                                    |                          |
|--------------|----------|------|------|----------------------------------------------------|--------------------------|
| WO9625038 A1 | 19980624 | LSNE | -122 | EP: PCT APPLICATION NON-ENTRY IN<br>EUROPEAN PHASE | REF COUNTRY CODE<br>: WO |
|--------------|----------|------|------|----------------------------------------------------|--------------------------|

Title: ELECTRICAL **INSULATORS**

**Abstract:** 1411228 **Electric fence insulator** D S M PHILLIPS and P A PHILLIPS 13 Dec 1972 57503/72 Heading H2C An **insulator** for supporting the wire of an **electric fence** comprises a bifurcated member having means, e.g. slots 22, to support the wire -aperture in the arms of the **insulator** so that it can be fixed to a post 21 by a pin or bolt which also passes through an aperture in the post and means such as protruberances on the inside faces of the arms, to ensure that the wire holding part of the **insulator** is spaced from the post 21. Instead of L-shaped slots 22 sloping slots may be provided, Figs. 1-5 not shown. In Figs. 6 and 7, not shown, the bifurcated member is twisted through 90 degrees about its longitudinal axis and the wire is supported in the space between the arms adjacent the U-shaped end. The member is preferably of polyethylene.

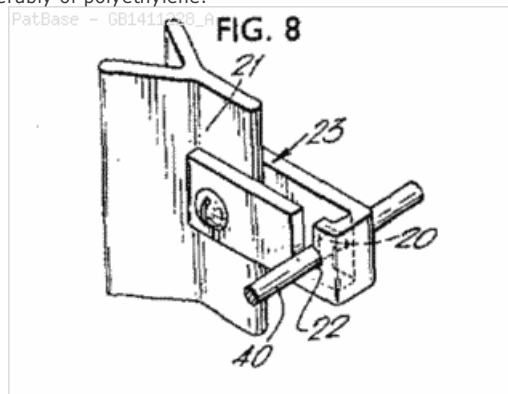
**Classifications:**

**International (IPC 8-9):** E04H17/12 H01B17/14 (Advanced/Invention);  
E04H17/02 H01B17/14 (Core/Invention)

**International (IPC 1-7):** H01B17/06 H01B17/24

**CPC:** E04H17/12 H01B17/145

**European:** E04H17/12 H01B17/14B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB1411228 A        | 19751022         | GB19720057503      | 19721213         |

**Priority:**

GB19720057503 19721213

**Probable Assignee:**

PHILIIPS D S M

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

PHILIIPS D S M ; PHILLIPS P A

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code  | Event                                            | Details |
|-------------|---------------|-------------|-------|--------------------------------------------------|---------|
| GB1411228 A | 19751022      | LSGT        | +     | granted / extensions (spc, cpc, pte)             |         |
| GB1411228 A | 19760303      | LSGT        | +PS   | PATENT SEALED                                    |         |
| GB1411228 A | 19780719      | LSLE        | -PCNP | PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE |         |
| GB1411228 A | 19921213      | PEXP        |       | Calculated Patent Term Expiry                    |         |

**Title:** Electric shock and electric shock equipment sheet (Machine translation)

**Abstract:** Source: JP3162750U **Machine translation:** The present invention like can and that the beasts to climb it is not suitable to be attached the bare wires of **electric fence**, to provide an electric shock device to shock the beasts that have climbed the. A power supply unit 10 and an A output terminal and the ground terminal, and the two cord 20 having one end respectively connected to the output terminal and ground terminal of the power supply unit 10, an **insulator** made of a strip-shaped sheet, insulation anda two conductors are connected to respective other ends of the two codes 20 together is provided along the longitudinal direction to the surface, attached to the attachment object 5 is provided with an electric shock sheet 30 and, beasts in contact with two conductors in an electric shock sheet 30 is set to electric shock device 1 to be an electric shock..BACKGROUND 1

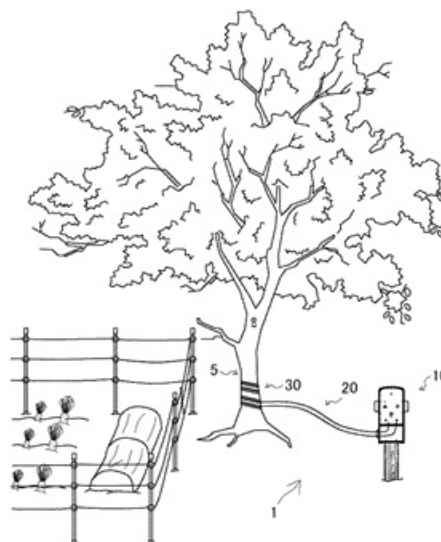
**Classifications:**

**International (IPC 8-9):** A01M29/00 (Advanced/Invention)

**JP F-Term:** 2B121 2B121/AA01 2B121/BB28 2B121/BB35 2B121/DA06 2B121/DA62 2B121/DA70 2B121/EA21 2B121/FA13

**JP F-Index:** A01M29/00/112 A01M29/00/118 A01M29/24 A01M29/30

PatBase - JP3162750\_U



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| JP3162750 U        | 20100916         | JP20100004497U     | 20100702         |

**Priority:**

JP20100004497U 20100702

**Probable Assignee:**

LTD APOLLO

**Assignee(s):**

LTD APOLLO

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code  | Event                                                        | Details                                 |
|-------------|---------------|-------------|-------|--------------------------------------------------------------|-----------------------------------------|
| JP3162750 U | 20100916      | LSGT        | +     | granted / extensions (spc, cpc, pte)                         |                                         |
| JP3162750 U | 20100825      | LSGT        | +R150 | CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL       | TEXT : JAPANESE INTERMEDIATE CODE: R150 |
| JP3162750 U | 20100826      | LSFE        | +FPAY | RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE) | YEAR OF FEE PAYMENT : 3                 |
| JP3162750 U | 20130815      | LSFE        | R20   | 実用新案登録料納付書 (Utility model registration fee payment form)     |                                         |
| JP3162750 U | 20130820      | LSFE        | +R250 | RECEIPT OF ANNUAL FEES                                       | TEXT : JAPANESE INTERMEDIATE CODE: R250 |
| JP3162750 U | 20161013      | LSFE        | R20   | 実用新案登録料納付書 (Utility model registration fee payment form)     |                                         |
| JP3162750 U | 20161018      | LSFE        | +R250 | RECEIPT OF ANNUAL FEES                                       | TEXT : JAPANESE INTERMEDIATE CODE:      |

|             |          |      |                               |                                                          |                                         |
|-------------|----------|------|-------------------------------|----------------------------------------------------------|-----------------------------------------|
| R250        |          |      |                               |                                                          |                                         |
| JP3162750 U | 20170824 | LSFE | R20                           | 実用新案登録料納付書 (Utility model registration fee payment form) |                                         |
| JP3162750 U | 20170829 | LSFE | +R250                         | RECEIPT OF ANNUAL FEES                                   | TEXT : JAPANESE INTERMEDIATE CODE: R250 |
| JP3162750 U | 20180830 | LSFE | R20                           | 実用新案登録料納付書 (Utility model registration fee payment form) |                                         |
| JP3162750 U | 20180904 | LSFE | +R250                         | RECEIPT OF ANNUAL FEES                                   | TEXT : JAPANESE INTERMEDIATE CODE: R250 |
| JP3162750 U | 20190606 | LSFE | R20                           | 実用新案登録料納付書 (Utility model registration fee payment form) |                                         |
| JP3162750 U | 20190611 | LSFE | +R250                         | RECEIPT OF ANNUAL FEES                                   | TEXT : JAPANESE INTERMEDIATE CODE: R250 |
| JP3162750 U | 20200702 | PEXP | Calculated Patent Term Expiry |                                                          |                                         |

**Title:** AN IMPROVED **INSULATOR** FOR **ELECTRIC FENCES**

**Classifications:**

**International (IPC 8-9):** H01B17/24 (Advanced/Invention)

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU1749662 A1       | 19640114         | AU19620017496      | 19620510         |
| AU1749662 B1       | 19640114         | AU19620017496      | 19620510         |

**Priority:**

AU19620017496 19620510

**Probable Assignee:** DOUGLAS HAROLD BEATTIE

**Assignee(s):** DOUGLAS HAROLD BEATTIE

**Inventor(s):** DOUGLAS HAROLD BEATTIE

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| AU1749662 A1 | 19640114      | LSPB        | +    | published / reissued                 |         |
| AU1749662 B1 | 19640114      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| AU1749662 B1 | 19820510      | PEXP        |      | Calculated Patent Term Expiry        |         |

Title: **INSULATOR** FOR **ELECTRIC FENCES**

**Abstract:** Source: SU1385149A **Machine translation:** Invention relates to electrical engineering, in particular to elements Electrofences. The purpose of the invention - improved mechanical characteristics and extension of the application. The **insulator** consists of a rectangular flange with holes 1 and the fins 3 with grooves 4, the housing 5 with edges 6, 7 and 8 for elements of the suspension wires. Flange connected to the housing 1 through 5 truncated cone 9. Elements for the suspension wires are provided with stiffening ribs on the front edge opirayuschimis 7. Housing can be equipped with an additional edge to the groove, forming an edge with an annular groove predyduschi.m March 1. § f-ly 5 yl. (LS OS wasps eat 4iai CO F / yr. /

#### Classifications:

**International (IPC 8-9):** H01B17/24 (Advanced/Invention);

H01B17/00 (Core/Invention)

**International (IPC 1-7):** H01B17/24



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| SU1385149 A1       | 19880330         | SU19864145408      | 19860904         |

#### Priority:

SU19864145408 19860904

**Probable Assignee:** VNI PT I ELEKTROKERAMIKI

**Assignee(s):** (std): VNI PT I ELEKTROKERAMIKI

**Inventor(s):** (std): APOLLONOVA ZINAIDA M ; SMIRNOVA TAI SIYA M ; VIKSNA INDULIS R ; GURYANOV VIKTOR A

**Inventor(s):** SMIRNOVA TAI SIYA M SU ; APOLLONOVA ZINAIDA M SU ; VIKSNA INDULIS R SU ; GURYANOV VIKTOR A SU

#### Legal status (INPADOC)

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| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| SU1385149 A1 | 19880330      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** Post and clip construction for the wire fences

**Abstract:** A fence post and wire support for **electric fences** wherein the post is made of unidirectional glass fibers in a plastic resin and has a T-shaped cross section. The resulting structure is light but rigid, and has flat surfaces which eliminate the need for an anchor plate. A number of wire-like clips are adapted for crimping around the post or for resiliently engaging the post to form a wire support. The wire-like clips are designed to cooperate with the T-shaped cross section of the post to provide a secure mounting thereto. Alternatively, a rubber-like wire support having two ring portions which fit snugly around the post, and having a hinge portion joining the ring portions may serve as the wire holder.

**Classifications:**

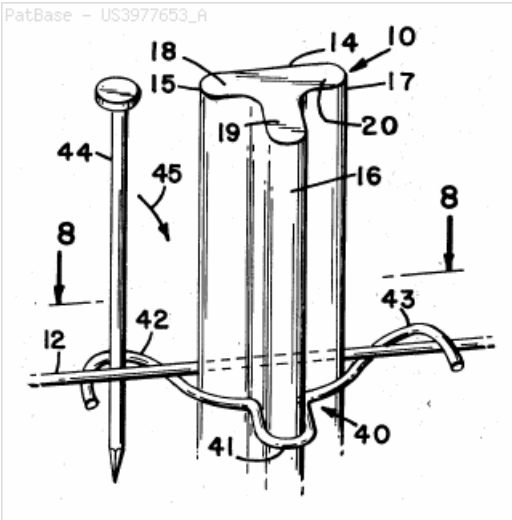
**International (IPC 8-9):** E04H17/10 (Advanced/Invention);  
E04H17/02 (Core/Invention)

**International (IPC 1-7):** E04H17/10

**CPC:** E04H17/10

**European:** E04H17/10

**US:** 256/10 256/57



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US3977653 A        | 19760831         | US19740483678      | 19740627         |

**Priority:**

US19740483678 19740627

**Probable Assignee:** AFC INC

**Assignee(s):** (std): AFC INC

**Inventor(s):** (std): DURHMAN PAUL P ; FINGERSON CONRAD F ; GOVE JAMES E ; MEYER DANIEL

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US3977653 A | 19760831      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

Title: **INSULATOR** FOR **ELECTRIC FENCE** WIRES

**Abstract:** The invention relates to an **insulator** suitable for use on an electrical fence that is adapted to detect real- time, point-specific and even only marginal deflection of a fence wire. The **insulator** includes a housing and an electrically conductive switch secured within the housing and operatively associated with the fence wire, the arrangement being such that deflection of the fence wire in any radial direction brings the wire into electrically conductive contact with the switch inside the **insulator**, which simultaneously actuates a signal indicating the particular **insulator** where the wire deflection has occurred.

**Classifications:**

**International (IPC 8-9):** H01B (Advanced/Invention)

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| ZA201902708 A      | 20191218         | ZA20190002708      | 20190430         |

**Priority:**

ZA20180001805 20180319

**Probable Assignee:** GEORGE ROOTMAN  
**Assignee(s):** (std): GEORGE ROOTMAN ; HEINRICH DRY  
**Assignee(s):** HEINRICH DRY GEORGE ROOTMAN  
**Inventor(s):** (std): HEINRICH DRY

**Legal status (INPADOC)**

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| Patent        | Date recorded | Event group | Code | Event                                | Details |
|---------------|---------------|-------------|------|--------------------------------------|---------|
| ZA201902708 A | 20191218      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| ZA201902708 A | 20390429      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** Improvements in or relating to implements for ascertaining whether a wire is under electric tension

**Abstract:** 21998/51. Class 37. A device for testing e.g. a fence wire for the presence of electric charge comprises a crook-handled walking stick 1 (Fig. 1) containing an e.g. neon indicator lamp 10 within a recess 11 covered by a metal plate 12 formed with a hook 16 and a window 15, which is connected to one pole of the lamp. A metal ferrule 3 at the end of the stick is connected through an internal conductor 4 to the remaining pole of the lamp, and also to another hook 6 fixed to the stick. Hook 16 is engageable with the wire and ferrule 3 with the ground, when the indicator lamp will light. A wire may be earthed before working on it by engaging hook 6 with the wire and the ferrule with the ground.

**Classifications:**

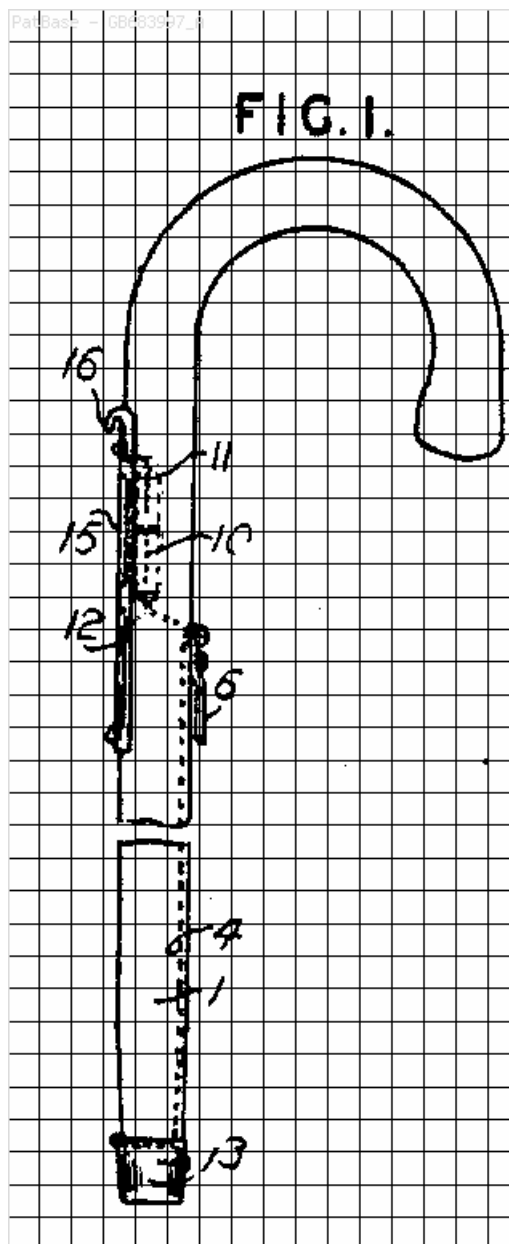
**International (IPC 8-9):** G01R19/155 (Advanced/Invention);

G01R19/145 (Core/Invention)

**International (IPC 1-7):** G01R19/16

**CPC:** G01R19/155

**European:** G01R19/155



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB683997 A         | 19521210         | GB19510021998      | 19510919         |

**Priority:**

GB19510021998 19510919

**Probable Assignee:**

LORENZ CHRISTIAN JENSEN KORSGA

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

LORENZ CHRISTIAN JENSEN KORSGA

**Assignee(s):**

LORENZ CHRISTIAN JENSEN KORSGAARD

**Legal status (INPADOC)**

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| Patent     | Date recorded | Event group | Code | Event                                | Details |
|------------|---------------|-------------|------|--------------------------------------|---------|
| GB683997 A | 19521210      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| GB683997 A | 19710919      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** MULTI-POSITION WIRE **INSULATOR** AND FENCE SUPPORT BRACKET

**Abstract:** A support bracket is adapted to secure wire fence elements to posts having T-shaped cross-sections with a leg and two cross-arms. The bracket includes a first slot adapted and constructed to receive a cross-arm of a fence post, and a second slot adapted and constructed to receive a cross-arm of the fence post, the second slot being generally aligned with the first slot. A third slot is adapted and constructed to receive a leg of the fence post, and is generally perpendicular to the first and second slots. The bracket can be mounted to the post in a first position in which the leg is received in the third slot, and a second position in which the leg extends opposite the third slot.

**Classifications:**

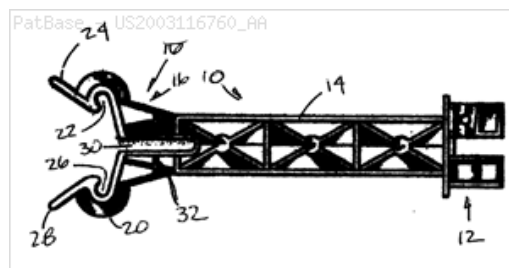
**International (IPC 8-9):** A01K3/00 H01B17/14 (Advanced/Invention);  
A01K3/00 H01B17/14 (Core/Invention)

**International (IPC 1-7):** E04H17/00 E04H17/10 H01B

**CPC:** Y10S256/03 H01B17/145 A01K3/005

**European:** A01K3/00C H01B17/14B

**US:** 256/1 256/10 256/32 256/47 256/48 256/50 256/54 256/DIG.3



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2002358254 AA    | 20030715         | AU20020358254      | 20021223         |
| AU2002358254 AH    | 20030715         | AU20020358254      | 20021223         |
| US2003116760 AA    | 20030626         | US20010033516      | 20011224         |
| US7216852 BB       | 20070515         | US20010033516      | 20011224         |
| WO03056573 A2      | 20030710         | WO2002US40936      | 20021223         |
| WO03056573 A3      | 20051027         | WO2002US40936      | 20021223         |

**Priority:**

US20010033516 20011224 WO2002US40936 20021223

**Probable Assignee:** GRAVELLE JAMES A

**Assignee(s):** (std): GRAVELLE JAMES A

**Inventor(s):** (std): GRAVELLE JAMES A ; JAMES A GRAVELLE

**Agent(s):** GRAY PLANT MOOTY MOOTY AND BENNETT PA; PETER

**Designated states:** AE AL AM AT AU AZ BA BB BG BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

**Legal status (INPADOC)**

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| Patent          | Date recorded | Event group | Code  | Event                                                                                       | Details                                                                                                          |
|-----------------|---------------|-------------|-------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| AU2002358254 AA | 20030715      | LSPB        | +     | published / reissued                                                                        |                                                                                                                  |
| AU2002358254 AA | 20040909      | LSLE        | -MK6  | APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE |                                                                                                                  |
| US2003116760 AA | 20030626      | LSPB        | +     | published / reissued                                                                        |                                                                                                                  |
| US2003116760 AA | 20070425      | LSGT        | STCF  | INFORMATION ON STATUS: PATENT GRANT                                                         | TEXT : PATENTED CASE                                                                                             |
| US7216852 BB    | 20070515      | LSGT        | +     | granted / extensions (spc, cpc, pte)                                                        |                                                                                                                  |
| US7216852 BB    | 20070425      | LSGT        | PAT1  | Patented Case                                                                               |                                                                                                                  |
| US7216852 BB    | 20101112      | LSFE        | +FPAY | FEE PAYMENT                                                                                 | YEAR OF FEE PAYMENT : 4                                                                                          |
| US7216852 BB    | 20150514      | LSFE        | +FPAY | FEE PAYMENT                                                                                 | YEAR OF FEE PAYMENT : 8                                                                                          |
| US7216852 BB    | 20181231      | LSFE        | FEPP  | FEE PAYMENT PROCEDURE                                                                       | TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY  |
| US7216852 BB    | 20190514      | LSFE        | FEPP  | FEE PAYMENT PROCEDURE                                                                       | TEXT : 11.5 YR SURCHARGE- LATE PMT W/IN 6 MO, SMALL ENTITY (ORIGINAL EVENT CODE: M2556); ENTITY STATUS OF PATENT |

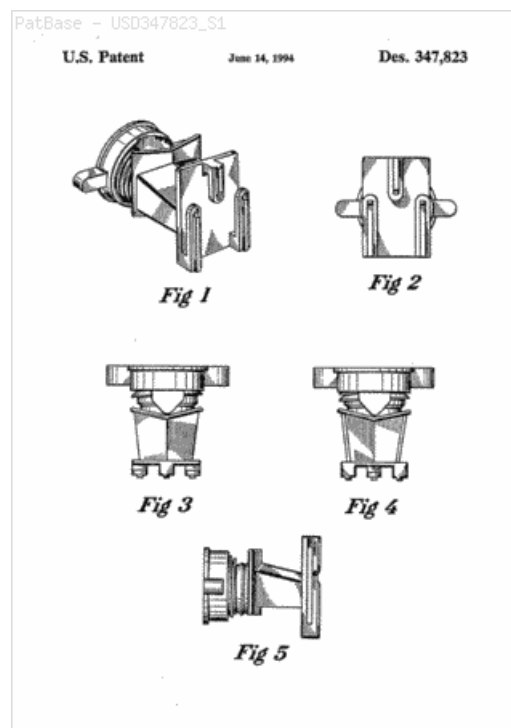
| OWNER: SMALL ENTITY |          |      |       |                                                |                          |
|---------------------|----------|------|-------|------------------------------------------------|--------------------------|
| US7216852 BB        | 20190514 | LSFE | +MAFP | MAINTENANCE FEE PAYMENT                        | YEAR OF FEE PAYMENT : 12 |
| US7216852 BB        | 20211224 | PEXP |       | Calculated Patent Term Expiry                  |                          |
| WO03056573 A2       | 20030710 | LSPB | +     | published / reissued                           |                          |
| WO03056573 A3       | 20060607 | LSNE | NENP  | NON-ENTRY INTO THE NATIONAL PHASE IN:          | REF COUNTRY CODE : JP    |
| WO03056573 A3       | 20060607 | LSWD | -WWW  | WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE | TEXT : JP                |

**Title:** Combined front panel and mount for an **electric fence insulator**

**Abstract:** (Claims)The ornamental design for a combined front panel and mount for an **electric fence insulator**, as shown and described.

**Classifications:**

**US:** D13/132



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| USD347823 S1       | 19940614         | US19920795331F     | 19920929         |
| USD347823 S1       | 19940614         | US19920953314F     | 19920929         |

#### Priority:

US199207953314D 19920929 US19920953314F 19920929

**Probable Assignee:** ZAREBA SYSTEMS INC

**Assignee(s):** INC ; NORTH CENTRAL PLASTICS ; NORTH CENTRAL PLASTICS INC ; WATERS INSTRUMENTS INC ; WELLS FARGO BUSINESS CREDIT INC ; ZAREBA SYSTEMS INC

**Inventor(s):** JON A BERG ; LANGLIE MN ; RONALD H LANGLIE ; BERG JON A ; LANGLIE RONALD H

#### Legal status (INPADOC)

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| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| USD347823 S1 | 19940614      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| USD347823 S1 | 19940614      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| USD347823 S1 | 19940602      | LSGT        | PAT1 | Patented Case                        |         |
| USD347823 S1 | 19940602      | LSGT        | PAT1 | Patented Case                        |         |
| USD347823 S1 | 19940602      | LSGT        | PAT1 | Patented Case                        |         |
| USD347823 S1 | 19940602      | LSGT        | PAT1 | Patented Case                        |         |
| USD347823 S1 | 20080614      | PEXP        |      | Calculated Patent Term Expiry        |         |
| USD347823 S1 | 20080614      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title: INSULATOR**

**Abstract:** This invention relates to an **insulator** including a mounting portion for mounting the **insulator** to a surface, and a securing portion for securing a length of material relative to the **insulator**, and a securing portion capable of being moved to release the length of material with respect to the **insulator**, the **insulator** characterised in that the movement of the securing portion to allow release of the length of material is contained within the **insulator**.

**Classifications:**

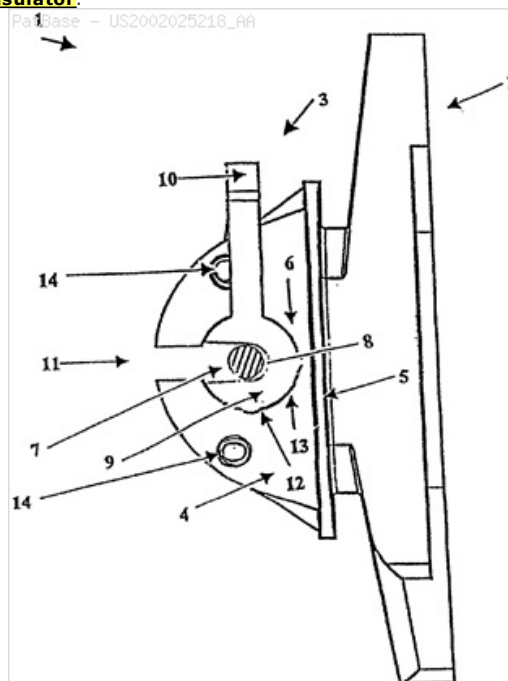
**International (IPC 8-9):** H01B17/14 (Advanced/Invention);  
H01B17/14 (Core/Invention)

**International (IPC 1-7):** F16D1/00 H01B17/14

**CPC:** Y10T403/595 H01B17/145

**European:** H01B17/14B

**US:** 403/322.4

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU200010857 A1     | 20000914         | AU20000010857      | 19991112         |
| AU200010857 A5     | 20000914         | AU20000010857      | 19991112         |
| GB200118868 A0     | 20010926         | GB20010018868      | 19991112         |
| GB2362763 A1       | 20011128         | GB20010018868      | 19991112         |
| GB2362763 B2       | 20030709         | GB20010018868      | 19991112         |
| NZ513188 A         | 20020927         | NZ19990513188      | 19991112         |
| US2002025218 AA    | 20020228         | US20010934545      | 20010823         |
| WO0051144 A1       | 20000831         | WO1999NZ00189      | 19991112         |

**Priority:**

NZ19990334338 19990223      NZ19990513188 19991112      WO1999NZ00189 19991112  
WO1999NZ00189 20000831

**Probable Assignee:** GALLAGHER GROUP LTD

**Assignee(s):** (std): GALLAGHER GROUP LTD ; TAN VICTOR WONG ; THOMPSON BRADLEY JOHN ; THOMSON BRADLEY JOHN

**Assignee(s):** VICTOR WONG TAN ; GALLAGHER GROUP LIMITED

**Inventor(s):** (std): TAN VICTOR WONG ; THOMSON BRADLEY JOHN ; THOMPSON BRADLEY JOHN

**Inventor(s):** BRADLEY JOHN THOMSON ; VICTOR WONG TAN ; BRADLEY JOHN THOMPSON

**Agent(s):** MADDERNS PATENT AND TRADE MARK ATTORNEYS; MADDERNS PTY LTD; MADDERNS

**Designated states:** AE 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 DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC 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 TZ UA UG US UZ VN YU ZA ZW

**Legal status (INPADOC)**

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| Patent         | Date recorded | Event group | Code | Event                                                                                       | Details |
|----------------|---------------|-------------|------|---------------------------------------------------------------------------------------------|---------|
| AU200010857 A1 | 20000914      | LSPB        | +    | published / reissued                                                                        |         |
| AU200010857 A1 | 20040923      | LSLE        | -MK5 | APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED |         |
| GB2362763 A1   | 20011128      | LSPB        | +    | published / reissued                                                                        |         |

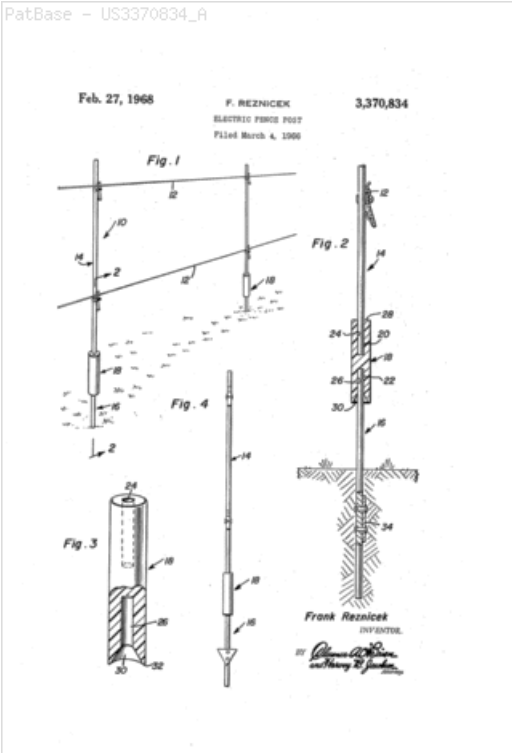
|                 |          |      |       |                                                            |                                                                                                                                                                                                                                       |
|-----------------|----------|------|-------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GB2362763 B2    | 20030709 | LSGT | +     | granted / extensions<br>(spc, cpc, pte)                    |                                                                                                                                                                                                                                       |
| GB2362763 B2    | 20040630 | LSLE | -PCNP | PATENT CEASED<br>THROUGH NON-<br>PAYMENT OF RENEWAL<br>FEE | EFFECTIVE DATE : 20031112                                                                                                                                                                                                             |
| GB2362763 B2    | 20191112 | PEXP |       | Calculated Patent Term<br>Expiry                           |                                                                                                                                                                                                                                       |
| NZ513188 A      | 20020927 | LSPB | +     | published / reissued                                       |                                                                                                                                                                                                                                       |
| NZ513188 A      | 20030131 | LSGT | +PSEA | PATENT SEALED                                              |                                                                                                                                                                                                                                       |
| NZ513188 A      | 20031031 | LSFE | +RENW | RENEWAL (RENEWAL<br>FEES ACCEPTED)                         |                                                                                                                                                                                                                                       |
| NZ513188 A      | 20060929 | LSFE | +RENW | RENEWAL (RENEWAL<br>FEES ACCEPTED)                         |                                                                                                                                                                                                                                       |
| NZ513188 A      | 20091030 | LSFE | +RENW | RENEWAL (RENEWAL<br>FEES ACCEPTED)                         |                                                                                                                                                                                                                                       |
| NZ513188 A      | 20121026 | LSFE | +RENW | RENEWAL (RENEWAL<br>FEES ACCEPTED)                         |                                                                                                                                                                                                                                       |
| NZ513188 A      | 20130426 | LSRE | ERR   | ERROR OR<br>CORRECTION                                     | TEXT : THE OWNER HAS BEEN<br>CORRECTED TO 1289027,<br>GALLAGHER GROUP LIMITED, 181<br>KAHIKATEA DRIVE, MELVILLE,<br>HAMILTON 3206, NZ<br>EFFECTIVE DATE : 20130402                                                                    |
| NZ513188 A      | 20191129 | LSLE | -EXPY | PATENT EXPIRED                                             |                                                                                                                                                                                                                                       |
| US2002025218 AA | 20020228 | LSPB | +     | published / reissued                                       |                                                                                                                                                                                                                                       |
| US2002025218 AA | 20010823 | LSAS | AS    | ASSIGNMENT                                                 | PARTYTYPE : OWNER<br>OWNER : TAN, VICTOR WONG,<br>NEW ZEALAND<br>OLDPARTY : ASSIGNMENT OF<br>ASSIGNORS INTEREST;<br>ASSIGNORS:TAN, VICTOR WONG;<br>THOMPSON, BRADLEY JOHN;<br>REEL/FRA:012122/0283<br>EFFECTIVE DATE : 20010821       |
| US2002025218 AA | 20010823 | LSAS | AS    | ASSIGNMENT                                                 | PARTYTYPE : OWNER<br>OWNER : THOMPSON, BRADLEY<br>JOHN, NEW ZEALAND<br>OLDPARTY : ASSIGNMENT OF<br>ASSIGNORS INTEREST;<br>ASSIGNORS:TAN, VICTOR WONG;<br>THOMPSON, BRADLEY JOHN;<br>REEL/FRA:012122/0283<br>EFFECTIVE DATE : 20010821 |
| US2002025218 AA | 20031118 | LSWD | -ABD3 | Abandoned -- Failure to<br>Respond to an Office<br>Action  |                                                                                                                                                                                                                                       |
| WO0051144 A1    | 20000831 | LSPB | +     | published / reissued                                       |                                                                                                                                                                                                                                       |
| WO0051144 A1    | 20000203 | LSNP | ENP   | ENTRY INTO THE<br>NATIONAL PHASE                           | REF DOCUMENT NUMBER : 2000<br>10857<br>COUNTRY OF REF DOCUMENT :<br>AU<br>KIND CODE OF REF DOCUMENT :<br>A<br>DESIGNATED STATE(S) :                                                                                                   |
| WO0051144 A1    | 20000721 | LSNP | +WWE  | WIPO INFORMATION:<br>ENTRY INTO NATIONAL<br>PHASE          | REF DOCUMENT NUMBER :<br>IN/PCT/2000/155/KOL<br>COUNTRY OF REF DOCUMENT :<br>IN                                                                                                                                                       |
| WO0051144 A1    | 20010727 | LSNP | +WWE  | WIPO INFORMATION:<br>ENTRY INTO NATIONAL<br>PHASE          | REF DOCUMENT NUMBER :<br>513188<br>COUNTRY OF REF DOCUMENT :<br>NZ                                                                                                                                                                    |
| WO0051144 A1    | 20010801 | LSNP | +WWE  | WIPO INFORMATION:<br>ENTRY INTO NATIONAL<br>PHASE          | REF DOCUMENT NUMBER :<br>10857/00<br>COUNTRY OF REF DOCUMENT :<br>AU                                                                                                                                                                  |
| WO0051144 A1    | 20010802 | LSNP | ENP   | ENTRY INTO THE<br>NATIONAL PHASE                           | REF DOCUMENT NUMBER :<br>200118868<br>COUNTRY OF REF DOCUMENT :<br>GB<br>KIND CODE OF REF DOCUMENT :<br>A<br>DESIGNATED STATE(S) :                                                                                                    |

|              |          |      |      |                                                       |                                                                      |
|--------------|----------|------|------|-------------------------------------------------------|----------------------------------------------------------------------|
| WO0051144 A1 | 20010823 | LSNP | +WWE | WIPO INFORMATION:<br>ENTRY INTO NATIONAL<br>PHASE     | REF DOCUMENT NUMBER :<br>09934545<br>COUNTRY OF REF DOCUMENT :<br>US |
| WO0051144 A1 | 20011220 | LSWD | REG  | REFERENCE TO<br>NATIONAL CODE                         | REF COUNTRY CODE : DE<br>REF LEGAL EVENT CODE : 8642                 |
| WO0051144 A1 | 20021009 | LSNE | -122 | EP: PCT APPLICATION<br>NON-ENTRY IN<br>EUROPEAN PHASE | REF COUNTRY CODE : WO                                                |

Title: **Electric fence** post

**Abstract:** (Claim 1) 1. A fence post for utilization in conjunction with electric fencing, said post comprising vertically aligned upper and lower post sections and an intermediate **insulator** positioned between said sections and rigidly interlocking the adjacent lower end portion of the upper section and upper end portion of the lower section, said **insulator** including a lower portion surrounding the upper end portion of the lower section in outwardly spaced relation thereto completely thereabout and below the extreme upper end thereof said **insulator** being vertically elongated, including a peripheral full length wall, and defining longitudinally projecting non-communicating bores extending into said **insulator** from the upper and lower ends thereof, said bores respectively receiving and retaining the lower end portion of the upper post and the upper end portion of the lower post, the lower end of the lower bore being conically flared outwardly and downwardly completely about the lower bore to the peripheral wall and forming a narrow drip edge in outwardly spaced surrounding relation to the bore received upper end portion of the lower post, said **insulator** being cylindrical in shape and having a smooth outer surface, said bores being axially aligned and coaxial with the cylindrical **insulator**.

**Classifications:**  
**International (IPC 8-9):** E04H17/08 H05C1/00 (Advanced/Invention)  
**International (IPC 1-7):** E04H17/08  
**CPC:** E04H17/08 H05C1/00  
**European:** E04H17/08 H05C1/00  
**US:** 174/158F 256/10



Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US3370834 A        | 19680227         | US19660531926      | 19660304         |

Priority:

US19660531926 19660304

**Probable Assignee:** FRANK REZNICEK  
**Assignee(s):** FRANK REZNICEK  
**Inventor(s):** (std): REZNICEK FRANK ; FRANK REZNICEK

Legal status (INPADOC)

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US3370834 A | 19680227      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Abstract:** The system consists of a wind operated motor connected mechanically to an electrical motor by a freewheel which permits the non-reversible drive of the electrical motor by the wind operated motor. The electrical motor is mechanically connected by an inverter to a compressor which is incorporated in a refrigeration circuit. The refrigeration circuit is routed through an accumulator, a condenser, a heat reducer, and an evaporator. The motor winding is connected to a supply by a reversible counter. The motor armature is connected to a regulator which is controlled by a thermostat, the heat reducer and a manometer.

## H02K7/18 (Advanced/Invention);

**International (IPC 1-7):** F03D9/00 F24F3/00 H02J15/00 H02J15/02  
H02J13/04 H02KX

Y02E70/10 F24V50/00

**European:** F03D9/00 F24J3/06 H02K7/18A2W R05B220/61 Y02B10/30  
Y02B10/70 Y02E10/72H Y02E70/10



**Priority:**

FR19740036105 19741029

**Probable Assignee:**

NEVOUX SUZANNE

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

NEVOUX SUZANNE

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| FR2290075 A1 | 19760528      | LSPB        | +    | published / reissued                 |         |
| FR2290075 B1 | 19830603      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| FR2290075 B1 | 19850823      | LSLE        | -ST  | NOTIFICATION OF LAPSE                |         |
| FR2290075 B1 | 19941029      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** COMPOSITION INCLUDING A MIXTURE OF A THERMOPLASTIC CONDENSATION POLYMER AND A SUPRAMOLECULAR POLYMER, AND MANUFACTURING METHOD

**Abstract:** A subject matter of the present invention is a composition comprising: (i) from 0.1 to 49 parts by weight of at least one thermoplastic condensation polymer; and (ii) from 51 to 99.9 parts by weight of at least one supramolecular polymer capable of being obtained by the reaction of at least one at least trifunctional compound (A) carrying first and second functional groups with: at least one compound (B) carrying, on the one hand, at least one reactive group capable of reacting with the first functional groups of (A) and, on the other hand, at least one associative group; and at least one at least bifunctional compound (C), the functional groups of which are capable of reacting with the second functional groups of the compound (A) in order to form ester, thioester or amide bridges.

**Classifications:**

**International (IPC 8-9):** C08G59/42 C08G71/02 C08G83/00 C08K3/36 C08K5/092 C08K5/21 C08K5/34 C08L101/02 C08L51/08 C08L63/00 C08L77/00 C08L77/08 C08L79/00 C08L87/00 (Advanced/Invention)

**CPC:** C08G71/02 C08G69/40 C08G83/008 C08L77/00 C08L77/06 C08L101/02 C08L101/025

**European:** C08G69/40 C08G83/00S C08L101/02 C08L101/02N C08L77/00 C08L77/06 M08L77/06

**US:** 524/606 525/420.5

**JP F-Term:** 4J002 4J002/AA00 4J002/CD00 4J002/CD05 4J002/CF10 4J002/CH02 4J002/CK04 4J002/CL00 4J002/CL01 4J002/CL03 4J002/CL07 4J002/EF06 4J002/EF07 4J002/EF10 4J002/ET01 4J002/EU10 4J002/EU13 4J002/EU16 4J002/FD01 4J002/FD02 4J002/FD06 4J036 4J036/AA01 4J036/AD08 4J036/DB17 4J036/DB21 4J036/DC03 4J036/DC04 4J036/DC06 4J036/DC38 4J036/FA05 4J036/FB10 4J036/FB11 4J036/FB12 4J036/FB13

**JP F-Index:** C08G59/42 C08K5/092 C08K5/21 C08K5/34 C08L63/00/A C08L77/00 C08L87/00

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CN103168079 A      | 20130619         | CN201180050609     | 20111018         |
| EP2630194 A1       | 20130828         | EP20110787713      | 20111018         |
| FR2966465 A1       | 20120427         | FR20100058619      | 20101021         |
| FR2966465 B1       | 20121102         | FR20100058619      | 20101021         |
| JP2013540193 T2    | 20131031         | JP20130534366T     | 20111018         |
| US2013261255 AA    | 20131003         | US20110880249      | 20111018         |
| WO12052673 A1      | 20120426         | WO2011FR52426      | 20111018         |

**Priority:**

FR20100058619 20101021 WO2011FR52426 20111018

**Probable Assignee:** ARKEMA SA

**Assignee(s):** (std): ARKEMA FRANCE ; ARKEMA SA ; COUTURIER JEAN LUC ; DEVISME SAMUEL ; DEYRAIL YVES ; DUFAURE NICOLAS ; DUFRENNE ANTHONY ; HIDALGO MANUEL ; VAN HEMELRYCK BRUNO

**Inventor(s):** (std): COUTURIER JEAN LUC ; DUFRENNE ANTHONY ; DEVISME SAMUEL ; DUFAURE NICOLAS ; HIDALGO MANUEL ; DEYRAIL YVES ; VAN HEMELRYCK BRUNO

**Inventor(s):** JEAN LUC COUTURIER ; SAMUEL DEVISME ; NICOLAS DUFAURE ; BRUNO VAN HEMELRYCK ; MANUEL HIDALGO ; YVES DEYRAIL ; ANTHONY DUFRENNE

**Agent(s):** ARKEMA FRANCE; KAWAGUTI AND PARTNERS; PRAS JEAN LOUIS

**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

**Legal status (INPADOC)**

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| Patent        | Date recorded | Event group | Code | Event                                      | Details                                            |
|---------------|---------------|-------------|------|--------------------------------------------|----------------------------------------------------|
| CN103168079 A | 20130619      | LSPB        | +    | published / reissued                       |                                                    |
| CN103168079 A | 20130619      | LSPB        | +C06 | PUBLICATION                                |                                                    |
| CN103168079 A | 20150909      | LSDW        | -C05 | DEEMED WITHDRAWAL (PATENT LAW BEFORE 1993) |                                                    |
| EP2630194 A1  | 20130828      | LSPB        | +    | published / reissued                       |                                                    |
| EP2630194 A1  | 20130828      | LSES        | +17P | REQUEST FOR EXAMINATION FILED              | EFFECTIVE DATE : 20130521                          |
| EP2630194 A1  | 20140101      | LSWD        | -18W | APPLICATION WITHDRAWN                      | EFFECTIVE DATE : 20131120                          |
| FR2966465 A1  | 20120427      | LSPB        | +    | published / reissued                       |                                                    |
| FR2966465 A1  | 20121009      | LSFE        | PLFP | Fee Payment (FEE PAYMENT)                  | PAYMENT DATE : 20121009<br>YEAR OF FEE PAYMENT : 3 |
| FR2966465 B1  | 20121102      | LSGT        | +    | granted /                                  |                                                    |

|                 |          |      |       |                                                         |                                                                                                                                                                                                                                                            |  |
|-----------------|----------|------|-------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                 |          |      |       | extensions<br>(spc, cpc, pte)                           |                                                                                                                                                                                                                                                            |  |
| FR2966465 B1    | 20131031 | LSLE | -ST   | NOTIFICATION<br>OF LAPSE                                |                                                                                                                                                                                                                                                            |  |
| FR2966465 B1    | 20140801 | LSLE | -ST   | NOTIFICATION<br>OF LAPSE                                | EFFECTIVE DATE : 20140630                                                                                                                                                                                                                                  |  |
| FR2966465 B1    | 20301021 | PEXP |       | Calculated<br>Patent Term<br>Expiry                     |                                                                                                                                                                                                                                                            |  |
| JP2013540193 T2 | 20131031 | LSPB | +     | published /<br>reissued                                 |                                                                                                                                                                                                                                                            |  |
| JP2013540193 T2 | 20130805 | LSES | +A621 | WRITTEN<br>REQUEST FOR<br>APPLICATION<br>EXAMINATION    | TEXT : JAPANESE INTERMEDIATE CODE:<br>A621<br>EFFECTIVE DATE : 20130614                                                                                                                                                                                    |  |
| JP2013540193 T2 | 20140312 | LSES | -A131 | NOTIFICATION<br>OF REASONS<br>FOR REFUSAL               | TEXT : JAPANESE INTERMEDIATE CODE:<br>A131<br>EFFECTIVE DATE : 20140311                                                                                                                                                                                    |  |
| JP2013540193 T2 | 20141112 | LSRV | -A02  | DECISION OF<br>REFUSAL                                  | TEXT : JAPANESE INTERMEDIATE CODE:<br>A02<br>EFFECTIVE DATE : 20141111                                                                                                                                                                                     |  |
| US2013261255 AA | 20131003 | LSPB | +     | published /<br>reissued                                 |                                                                                                                                                                                                                                                            |  |
| US2013261255 AA | 20130618 | LSAS | AS    | ASSIGNMENT                                              | PARTYTYPE : OWNER<br>OWNER : ARKEMA FRANCE, FRANCE<br>OLDPARTY : ASSIGNMENT OF ASSIGNORS<br>INTEREST; ASSIGNORS:DEYRAIL, YVES;<br>DUFRENNE, ANTHONY; DEVISME, SAMUEL;<br>AND OTHERS; SIGNING DATES FROM<br>20130507 TO 20130524;<br>REEL/FRAME:030634/0460 |  |
| US2013261255 AA | 20140520 | LSWD | -EAB1 | Expressly<br>Abandoned --<br>During<br>Examination      |                                                                                                                                                                                                                                                            |  |
| WO12052673 A1   | 20120426 | LSPB | +     | published /<br>reissued                                 |                                                                                                                                                                                                                                                            |  |
| WO12052673 A1   | 20130404 | LSNP | +WWE  | WIPO<br>INFORMATION:<br>ENTRY INTO<br>NATIONAL<br>PHASE | REF DOCUMENT NUMBER : 2011787713<br>COUNTRY OF REF DOCUMENT : EP                                                                                                                                                                                           |  |
| WO12052673 A1   | 20130419 | LSNP | ENP   | ENTRY INTO<br>THE NATIONAL<br>PHASE                     | REF DOCUMENT NUMBER : 2013534366<br>COUNTRY OF REF DOCUMENT : JP<br>KIND CODE OF REF DOCUMENT : A<br>DESIGNATED STATE(S) :                                                                                                                                 |  |
| WO12052673 A1   | 20130422 | LSNE | NENP  | NON-ENTRY<br>INTO THE<br>NATIONAL<br>PHASE IN:          | REF COUNTRY CODE : DE                                                                                                                                                                                                                                      |  |
| WO12052673 A1   | 20130618 | LSNP | +WWE  | WIPO<br>INFORMATION:<br>ENTRY INTO<br>NATIONAL<br>PHASE | REF DOCUMENT NUMBER : 13880249<br>COUNTRY OF REF DOCUMENT : US                                                                                                                                                                                             |  |

Title: **ELECTRIC FENCE** TESTER

**Abstract:** (Claim 1) 1. An **electric fence** tester comprising an elongated andconductive ground rod, an insulating bracket secured at one end to seiid ground rod, a first conductor connected to said ground rod, a lamp carried by said bracket between its ends and connected to said first conductor, a second conductor connected to said lamp, a test rod of electrically conductive material carried by the opposite end of said bracket and being generally parallel and substantially shorter than said ground rod, said second conductor connerted to said test rod, said bracket having a recess therein, said lamp removably received in said recess, and a detachable vision plate having an aperture therethrough detachably secured to said bracket overlying said recess to retain said lamp in said recess.

**Classifications:**

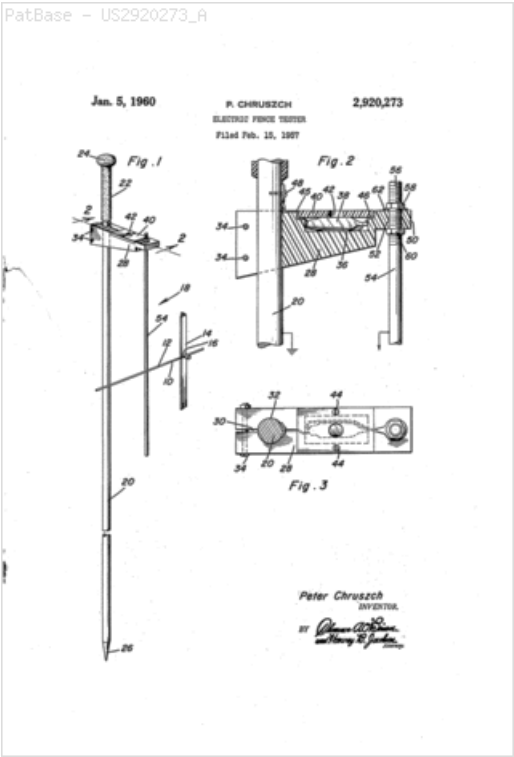
**International (IPC 8-9):** G01R19/155 H05C1/00 (Advanced/Invention);

G01R19/145 H05C1/00 (Core/Invention)

**CPC:** G01R19/155 H05C1/00

**European:** G01R19/155 H05C1/00

**US:** 324/72.5 439/482



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2920273 A        | 19600105         | US19570640543      | 19570215         |

**Priority:**

US19570640543 19570215

|                            |                |
|----------------------------|----------------|
| <b>Probable Assignee:</b>  | PETER CHRUSZCH |
| <b>Assignee(s):</b> (std): | PETER CHRUSZCH |
| <b>Inventor(s):</b> (std): | PETER CHRUSZCH |
| <b>Inventor(s):</b>        | CHRUSZCH PETER |

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US2920273 A | 19600105      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** Justerbar bøjle ophaengt pa isolatorer i indgangentil et kalvefoderhus Adjustable hanger suspending them on **insulators**  
indgangentil a kalvefoderhus (Machine translation)

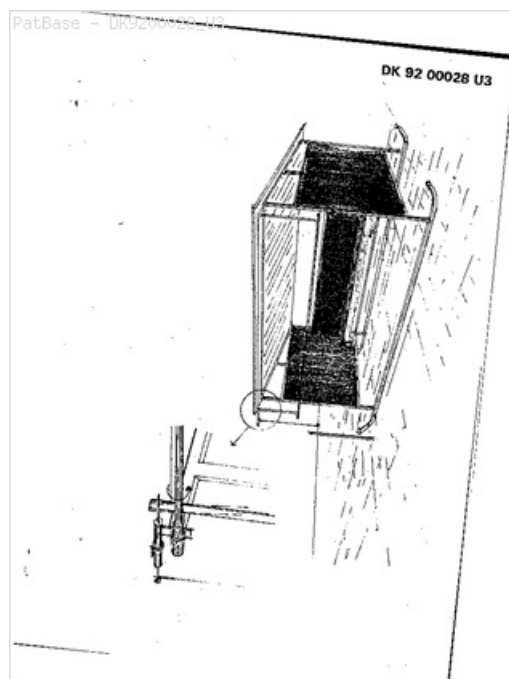
**Abstract:** Source: DK9200028U [DA] 1 En justerbar bøjle. Pkt. **Machine translation:** 1 An adjustable headband. Paragraph

**Classifications:**

**International (IPC 8-9):** A01K3/00 (Advanced/Invention);

A01K3/00 (Core/Invention)

**International (IPC 1-7):** A01K3/00



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DK82192 A0         | 19920622         | DK19920000821      | 19920622         |
| DK9200028 U3       | 19921023         | DK19920000028U     | 19920708         |

**Priority:**

DK19920000821 19920622      DK19920000028U 19920708

**Probable Assignee:** SEHESTED SOEREN

**Assignee(s):** (std): SEHESTED SOEREN

**Inventor(s):** (std): SEHESTED SOEREN ; SOEREN SEHESTED

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent       | Date recorded | Event group | Code | Event                 | Details |
|--------------|---------------|-------------|------|-----------------------|---------|
| DK82192 A0   | 19920824      | LSWD        | -ATS | APPLICATION WITHDRAWN |         |
| DK9200028 U3 | 19921023      | LSPB        | +    | published / reissued  |         |
| DK9200028 U3 | 19990409      | LSLE        | -UBP | UTILITY MODEL LAPSED  |         |

**Title:** ISOLATEUR D'ARRET OU D'ANGLE POUR LIGNES ELECTRIQUES, LIGNES TELEPHONIQUES, CLOTURES ELECTRIQUES OU AUTRES ISOLATEUR STOP OR CORNER FOR POWER LINES, TELEPHONE LINES, OR OTHER **ELECTRIC FENCES** (Machine translation)

**Abstract:** Source: FR1340288A [FR] (Claim 1) 1 La fixation du fil electrique est assuree par le fut et la fente du support qui est decoupe suivant un rayon puis se prolonge de part et d'autre de, ce rayon;.

**Machine translation:** (Claim 1) The fixing of an electric wire is ensured by the was and the bracket slot which is cut along a radius and extends to either side of this radius,.

**Classifications:**

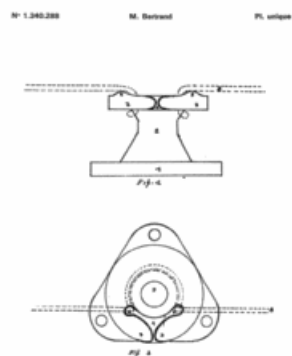
**International (IPC 8-9):** H01B17/14 H01B17/22 (Advanced/Invention);  
H01B17/00 H01B17/14 (Core/Invention)

**International (IPC 1-7):** H01B17/14

**CPC:** H01B17/22 H01B17/145

**European:** H01B17/14B H01B17/22

PatBase - FR1340288\_A



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR1340288 A        | 19631018         | FR19620908625      | 19620905         |

**Priority:**

FR19620908625 19620905

**Probable Assignee:**

NICOLE BERTRAND

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

NICOLE BERTRAND

**Legal status (INPADOC)**

[View legal status timeline](#)

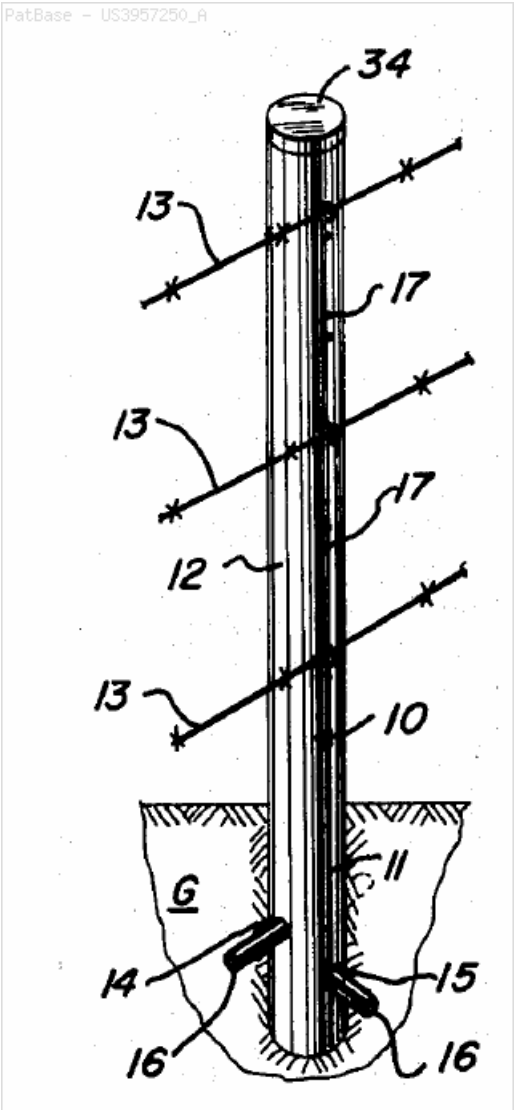
| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| FR1340288 A | 19631018      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| FR1340288 A | 19820905      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** Plastic fence post

**Abstract:** An improved fence post fabricated from suitable plastic material and arranged in a tubular configuration having a plurality of pins outwardly extending at right angles to each other from the lower portion of the post and a plurality of holes spaced vertically from each other to receive clips, bolts or other devices for securing strands of wire in the upper portions. The post is fabricated from a plastic material having suitable strength dielectric and fire retardant characteristics. The side wall of the post can be formed with longitudinal strengthening ribs or flanges and/or the interior filled with at least a semi-rigid or rigid foam to impart additional strength.

**Classifications:**

**International (IPC 8-9):** E04H17/06 (Advanced/Invention);  
E04H17/00 (Advanced/Non-invention);  
E04H17/02 (Core/Invention);  
E04H17/00 (Core/Non-invention)  
**International (IPC 1-7):** E04H17/08 E04H17/14  
**CPC:** E04H17/06 E04H2017/006  
**European:** E04H17/06 P04H17/00C  
**US:** 256/19 256/51 D25/131



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US3957250 A        | 19760518         | US19750567557      | 19750414         |

**Priority:**

US19750567557 19750414

**Probable Assignee:**

MURPHY STANLEY E

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

MURPHY STANLEY E

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

MURPHY STANLEY E

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US3957250 A | 19760518      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

Title: **INSULATOR** FOR SUPPORTING **ELECTRIC FENCE** WIRES

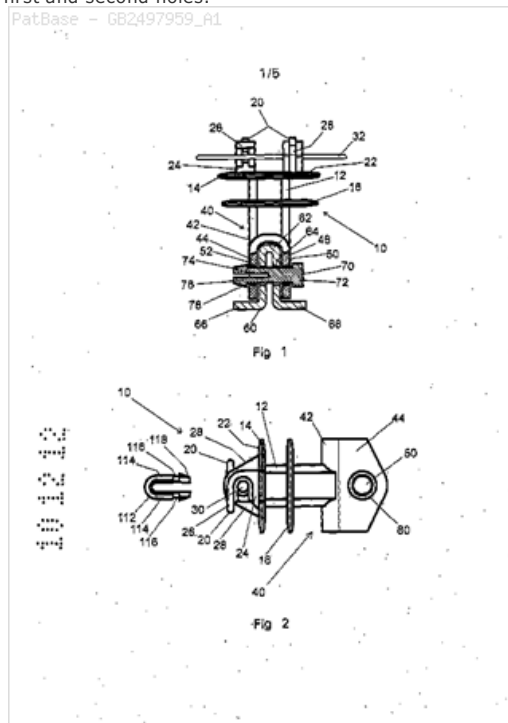
**Abstract:** The **insulator** 10 has a formation for supporting a wire 20 and a mounting formation 40 by which the **insulator** may be attached to a support (60, fig 5). The mounting formation 50 has a forked portion with a pair of limbs 44, 46 extending in spaced apart relation, a first hole 50 extending transversely through a first of said limbs and a second closed hole 52 extending coaxially of the first hole partially through a second of said limbs, from an inner surface of said second limb. A pin 90 of generally cylindrical configuration being of a diameter which is a tolerance fit in the first and second holes, said pin having a radial projection 96 intermediate of its ends and extending beyond the diameter of the first hole, said projection being a force fit through the first hole and being positioned such that when the pin is inserted through the first hole and into the second hole the projection will abut against the inner surface of the first limb to secure the pin in the first and second holes.

**Classifications:**

**International (IPC 8-9):** A01K3/00 H01B17/14 (Advanced/Invention)

**CPC:** A01K3/005 H01B17/145

PatBase - GB2497959\_A1



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB201122244 A0     | 20120201         | GB20110022244      | 20111222         |
| GB2497959 A1       | 20130703         | GB20110022244      | 20111222         |

**Priority:**

GB20110022244 20111222

**Probable Assignee:**

HARPER CHALICE GROUP LTD

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

HARPER CHALICE GROUP LTD

**Assignee(s):**

HARPER CHALICE GROUP LIMITED

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

HARPER GRAHAM DAVID

**Inventor(s):**

GRAHAM DAVID HARPER

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent       | Date recorded | Event group | Code | Event                                                                                            | Details |
|--------------|---------------|-------------|------|--------------------------------------------------------------------------------------------------|---------|
| GB2497959 A1 | 20130703      | LSPB        | +    | published / reissued                                                                             |         |
| GB2497959 A1 | 20190320      | LSWD        | -WAP | APPLICATION WITHDRAWN, TAKEN TO BE WITHDRAWN OR REFUSED ** AFTER PUBLICATION UNDER SECTION 16(1) |         |

**Title:** DISPOSICAO CONSTRUTIVA APLICADA EM CERCA ELETRICA Hand CONSTRUCTIVE APPLY TO **ELECTRIC FENCE** (Machine translation)

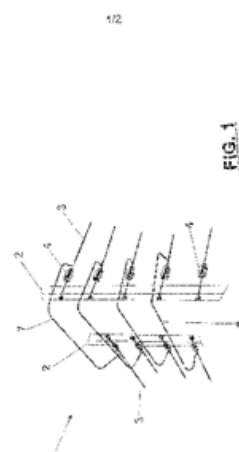
**Abstract:** Source: BR202014004539U [PT] 1 001 RESUMO 002 "DISPOSICAO CONSTRUTIVA APLICADA EM CERCA ELETRICA" compreendido por uma cerca eletrica constituída por haste tubulares metalicas de 4x4 de chapa de 4,76mm, que conformadas de acordo com o local de instalacao, podendo ser em T/ para fixar com parafusos ou com chumbadores, entre as hastes principais sao esticados arame de aco galvanizado de 2mm, presos em isoladores tipo castanha e tracionados por esticadores de catraca, sendo que entre as hastes principais verificam-se hastes intermediarias providas de isoladores de gancho, enquanto algumas hastes de canto e de esticamento usam jumpers, confeccionados com o proprio arame de aco galvanizado para interligar a conducao eletrica, e protege-las. **Machine translation:** 1001 SUMMARY 002 "hand CONSTRUCTIVE APPLY TO **ELECTRIC FENCE**" comprised of an **electric fence** consisting of tubular metallic rod 4x4 4,76mm sheet, which shaped according to the place of installation and may be in T / to tighten screws or with bolts, between the main stems are stretched galvanized steel wire 2mm, trapped in **insulators** type brown and pulled by tensioning ratchet, and between the main stems check up intermediate rods provided with hook **insulators**, while some rods corner and stretching use jumpers made with the own galvanized steel wire to interconnect the electric driving, and protects them.

**Classifications:**

**International (IPC 8-9):** A01K3/00 E04H17/14  
H05C1/00 (Advanced/Invention)

**CPC:** E04H17/14 A01K3/00 H05C1/00

PatBase - BR202014004539\_U2



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| BR202014004539 U2  | 20151124         | BR20142004539U     | 20140226         |

**Priority:**

BR20142004539U 20140226

**Probable Assignee:** N E N COM E MANUTENCAO DE APARELHOS ELETRONICOS LTDA ME

**Assignee(s):** (std): N E N COM E MANUTENCAO DE APARELHOS ELETRONICOS LTDA ME

**Assignee(s):** NEN COMERCIO E MANUTENCAO DE APARELHOS ELETRONICOS LTDA ME

**Inventor(s):** (std): NOGIKOSKI ADALTO

**Inventor(s):** ADALTO NOGIKOSKI

**Legal status (INPADOC)**

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| Patent            | Date recorded | Event group | Code  | Event                                                                                                           | Details |
|-------------------|---------------|-------------|-------|-----------------------------------------------------------------------------------------------------------------|---------|
| BR202014004539 U2 | 20151124      | LSPB        | +     | published / reissued                                                                                            |         |
| BR202014004539 U2 | 20151124      | LSPB        | B03A  | PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION |         |
| BR202014004539 U2 | 20170307      | LSFE        | -B08F | APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW                                             |         |
| BR202014004539 U2 | 20170620      | LSLE        | -B08K | LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)                     |         |

**Title:** FARMER'S TEST STICK

**Abstract:** A robust walking or support stick containing a voltage sensitive indicator for testing effectiveness of **electric fences** is a useful combination for a farmer's test device. The tip of the stick is placed on the ground, part of the conductive outer sheath is held using the insulating handle against a fence wire to be tested, and if sufficient voltage is present, one or more visual indicators built into a battery-free circuit in the handle change appearance (flash). If LED or LCD indicators are used rather than neon indicators, a preferably saturable step-down pulse transformer is included.

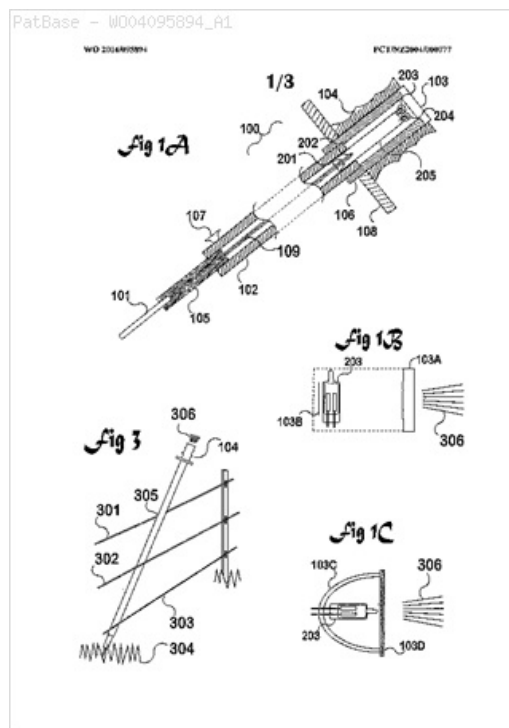
**Classifications:**

**International (IPC 8-9):** H05C1/00 H05C3/00 (Advanced/Invention);  
H05C1/00 H05C3/00 (Core/Invention)

**International (IPC 1-7):** H05C1/04

**CPC:** H05C1/00 H05C3/00

**European:** H05C1/00 H05C3/00



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2004231811 AA    | 20041104         | AU20040231811      | 20040423         |
| WO04095894 A1      | 20041104         | WO2004NZ00077      | 20040423         |

**Priority:**

NZ20030525492 20030424 WO2004NZ00077 20040423

**Probable Assignee:** DESI ADDIS

**Assignee(s):** (std): ADDIS DESI CLYNTON ; DAVID PIRRIIT ; DESI ADDIS ; PIRRIIT DAVID ANDREW

**Inventor(s):** (std): PIRRIIT DAVID ANDREW ; ADDIS DESI CLYNTON

**Inventor(s):** DAVID ANDREW PIRRIIT ; DESI CLYNTON ADDIS

**Agent(s):** WRAYS

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

**Legal status (INPADOC)**

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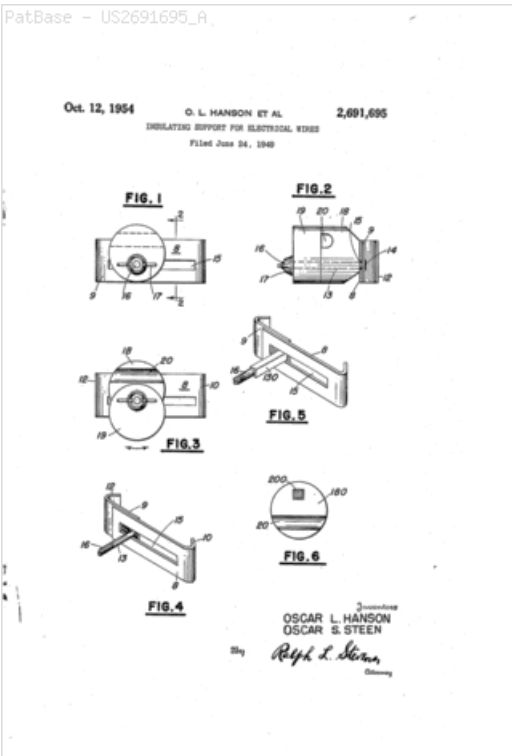
| Patent          | Date recorded | Event group | Code | Event                                                                                      | Details                                                                      |
|-----------------|---------------|-------------|------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| AU2004231811 AA | 20041104      | LSPB        | +    | published / reissued                                                                       |                                                                              |
| AU2004231811 AA | 20070913      | LSLE        | -MK1 | APPLICATION LAPSED SECTION 142(2)(A)<br>- NO REQUEST FOR EXAMINATION IN<br>RELEVANT PERIOD |                                                                              |
| WO04095894 A1   | 20041104      | LSPB        | +    | published / reissued                                                                       |                                                                              |
| WO04095894 A1   | 20051116      | LSNP        | +WWE | WIPO INFORMATION: ENTRY INTO<br>NATIONAL PHASE                                             | REF DOCUMENT<br>NUMBER :<br>2004231811<br>COUNTRY OF<br>REF DOCUMENT<br>: AU |
| WO04095894 A1   | 20051116      | LSNP        | +WWE | WIPO INFORMATION: ENTRY INTO                                                               | REF DOCUMENT                                                                 |

|                |          |      |      |                                                    |                                                                                                                                                                                          |
|----------------|----------|------|------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NATIONAL PHASE |          |      |      |                                                    | NUMBER :<br>543645<br>COUNTRY OF<br>REF DOCUMENT<br>: NZ                                                                                                                                 |
| WO04095894 A1  | 20051208 | LSNP | ENP  | ENTRY INTO THE NATIONAL PHASE                      | REF DOCUMENT<br>NUMBER :<br>2004231811<br>COUNTRY OF<br>REF DOCUMENT<br>: AU<br>DATE OF REF<br>DOCUMENT :<br>20040423<br>KIND CODE OF<br>REF DOCUMENT<br>: A<br>DESIGNATED<br>STATE(S) : |
| WO04095894 A1  | 20051208 | LSPB | +WWP | WIPO INFORMATION: PUBLISHED IN<br>NATIONAL OFFICE  | REF DOCUMENT<br>NUMBER :<br>2004231811<br>COUNTRY OF<br>REF DOCUMENT<br>: AU                                                                                                             |
| WO04095894 A1  | 20060920 | LSNE | -122 | EP: PCT APPLICATION NON-ENTRY IN<br>EUROPEAN PHASE | REF COUNTRY<br>CODE : WO                                                                                                                                                                 |

**Title:** INSULATING SUPPORT FOR ELECTRICAL WIRES

**Abstract:** (Claim 1) 1. In an insulating device, a single interconnection pin, fixedly mounted, an insulating part non-rotatably supported by said pin, a second insulating part oscillatable upon said pin in juxtaposition to said first mentioned part, normally on a line below its center of gravity, one of said parts having a straight groove facing the other and of a depth to completely receive a portion of a suspended conducting wire.

**Classifications:**  
**International (IPC 8-9):** H01B17/14 (Advanced/Invention);  
H01B17/14 (Core/Invention)  
**International (IPC 1-7):** H02B1/20  
**CPC:** H01B17/145  
**European:** H01B17/14B  
**US:** 174/157 174/161F



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2691695 A        | 19541012         | US19490101058      | 19490624         |

**Priority:**  
US19490101058 19490624

**Probable Assignee:** HANSON OSCAR L  
**Assignee(s):** (std): HANSON OSCAR L ; STEEN OSCAR S  
**Inventor(s):** (std): HANSON OSCAR L ; STEEN OSCAR S

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US2691695 A | 19541012      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Abstract:** Source: DE9214245U1 [DE] (Claim 1) KONTAKTGEBER FÜR DAS SPORTLICHE FECHTEN Schutzansprüche: 1. Kontaktgeber, bestehend aus einem Kontaktdorn (1), dadurch gekennzeichnet, dass dieser zylindrisch mit zwei zweckgebundenen und verschiedenen Durchmessern und einem Federsteg (2) gearbeitet ist.

**Machine translation:** (Claim 1) CONTACT SENSOR FOR THE SPORT FENCING Schutzansprüche: 1 Contactor, comprising (1) of a contact pin, characterized in that it is cylindrical with two dedicated and worked various diameters and a spring web (2).

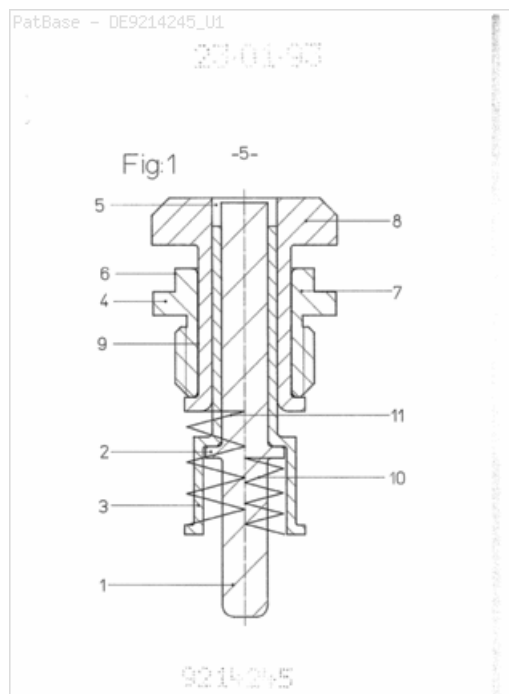
**Classifications:**

**International (IPC 8-9):** A63B69/02 G01V3/02 (Advanced/Invention);  
A63B69/02 G01V3/02 (Core/Invention)

**International (IPC 1-7):** A63B69/02 G01V3/02

**CPC:** G01V3/02 A63B69/02

**European:** A63B69/02 G01V3/02



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE9214245 U1       | 19930408         | DE19920014245U     | 19921019         |

**Priority:**

DE19920014245U 19921019

**Probable Assignee:** DANNER HARALD 1000 BERLIN DE

**Assignee(s):** DANNER HARALD 1000 BERLIN DE

**Legal status (INPADOC)**

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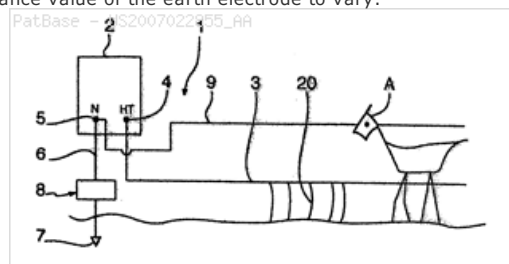
| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| DE9214245 U1 | 19930408      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| DE9214245 U1 | 20021019      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** MECHANISM FOR ADJUSTING AN EARTH ELECTRODE RESISTANCE

**Abstract:** Mechanism (8) for adjusting the resistance value of an earth electrode (7) connected to an electrification unit (2) of an electric fence (1), includes a control element (13) for causing the resistance value of the earth electrode to vary.

**Classifications:**

**International (IPC 8-9):** B27B27/06 H05C1/00  
H05C3/00 (Advanced/Invention);  
B27B27/00 H05C1/00 H05C3/00 (Core/Invention)  
**CPC:** Y10T83/7697 H05C3/00  
**European:** H05C3/00  
**US:** 361/232 83/471.3



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE102006032067 A1  | 20070201         | DE200610032067     | 20060711         |
| DE102006032067 B4  | 20131205         | DE200610032067     | 20060711         |
| FR2902275 A1       | 20071214         | FR20050008157      | 20050729         |
| FR2902276 A1       | 20071214         | FR20050008597      | 20050818         |
| FR2902276 B1       | 20080718         | FR20050008597      | 20050818         |
| US2007022855 AA    | 20070201         | US20060494676      | 20060728         |
| US7630190 BB       | 20091208         | US20060494676      | 20060728         |

**Priority:**

FR20050008157 20050729 FR20050008597 20050818

**Probable Assignee:** LACME HOLDING

**Assignee(s):** (std): HAMM VALERY ; LACME HOLDING ; MULET MARQUIS YVES ; LACME HOLDING SA

**Assignee(s):** LACME HOLDING SOCIETE ANONYME ; LACME HOLDING SOC ANONYME

**Inventor(s):** (std): HAMM VALERY ; MULET MARQUIS YVES

**Inventor(s):** VALERY HAMM ; YVES MULET MARQUIS

**Agent(s):** IPSILON; YOUNG AND THOMPSON

**Legal status (INPADOC)**

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| Patent            | Date recorded | Event group | Code  | Event                                                                               | Details                   |
|-------------------|---------------|-------------|-------|-------------------------------------------------------------------------------------|---------------------------|
| DE102006032067 A1 | 20070201      | LSPB        | +     | published / reissued                                                                |                           |
| DE102006032067 A1 | 20070201      | LSES        | +OP8  | REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW                               |                           |
| DE102006032067 A1 | 20130628      | LSES        | R016  | RESPONSE TO EXAMINATION COMMUNICATION                                               |                           |
| DE102006032067 A1 | 20130731      | LSGT        | +R018 | GRANT DECISION BY EXAMINATION SECTION/EXAMINING DIVISION                            |                           |
| DE102006032067 B4 | 20131205      | LSGT        | +     | granted / extensions (spc, cpc, pte)                                                |                           |
| DE102006032067 B4 | 20140528      | LSGT        | +R020 | PATENT GRANT NOW FINAL                                                              | EFFECTIVE DATE : 20140306 |
| DE102006032067 B4 | 20180201      | LSDW        | -R119 | APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE |                           |
| DE102006032067 B4 | 20260711      | PEXP        |       | Calculated Patent Term Expiry                                                       |                           |
| FR2902275 A1      | 20071214      | LSPB        | +     | published / reissued                                                                |                           |
| FR2902276 A1      | 20071214      | LSPB        | +     | published / reissued                                                                |                           |
| FR2902276 B1      | 20080718      | LSGT        | +     | granted / extensions (spc, cpc, pte)                                                |                           |
| FR2902276 B1      | 20160822      | LSFE        | +PLFP | FEE PAYMENT                                                                         | YEAR OF FEE PAYMENT : 12  |

|                 |          |      |       |                                                                         |                                                                                                                                                                                                              |
|-----------------|----------|------|-------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FR2902276 B1    | 20170822 | LSFE | +PLFP | FEE PAYMENT                                                             | YEAR OF FEE PAYMENT : 13                                                                                                                                                                                     |
| FR2902276 B1    | 20180827 | LSFE | +PLFP | FEE PAYMENT                                                             | YEAR OF FEE PAYMENT : 14                                                                                                                                                                                     |
| FR2902276 B1    | 20190902 | LSLE | -ST   | NOTIFICATION OF LAPSE                                                   |                                                                                                                                                                                                              |
| FR2902276 B1    | 20200508 | LSLE | -ST   | NOTIFICATION OF LAPSE                                                   | EFFECTIVE DATE : 20200406                                                                                                                                                                                    |
| FR2902276 B1    | 20250818 | PEXP |       | Calculated Patent Term Expiry                                           |                                                                                                                                                                                                              |
| US2007022855 AA | 20070201 | LSPB | +     | published / reissued                                                    |                                                                                                                                                                                                              |
| US7630190 BB    | 20091208 | LSGT | +     | granted / extensions (spc, cpc, pte)                                    |                                                                                                                                                                                                              |
| US7630190 BB    | 20061005 | LSAS | AS    | ASSIGNMENT                                                              | PARTYTYPE : OWNER<br>OWNER : LACME HOLDING, FRANCE<br>OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;<br>ASSIGNORS:HAMM, VALERY;<br>MULET-MARQUIS, YVES;<br>REEL/FRAME:018365/0220<br>EFFECTIVE DATE : 20060809 |
| US7630190 BB    | 20091118 | LSGT | PAT1  | Patented Case                                                           |                                                                                                                                                                                                              |
| US7630190 BB    | 20101221 | LSRE | CC    | CERTIFICATE OF CORRECTION                                               |                                                                                                                                                                                                              |
| US7630190 BB    | 20130531 | LSFE | +FPAY | FEE PAYMENT                                                             | YEAR OF FEE PAYMENT : 4                                                                                                                                                                                      |
| US7630190 BB    | 20180108 | LSLE | -LAPS | LAPSE FOR FAILURE TO PAY MAINTENANCE FEES                               | TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.)                                                                                                                        |
| US7630190 BB    | 20180108 | LSLE | -PEX1 | Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362 |                                                                                                                                                                                                              |
| US7630190 BB    | 20180108 | LSLE | -STCH | INFORMATION ON STATUS: PATENT DISCONTINUATION                           | TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362                                                                                                                               |
| US7630190 BB    | 20180130 | LSLE | -FP   | EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE                           | EFFECTIVE DATE : 20171208                                                                                                                                                                                    |
| US7630190 BB    | 20281007 | PEXP |       | Calculated Patent Term Expiry (PTA 802 days)                            |                                                                                                                                                                                                              |

Title: **Insulator** for **electric fencing**

**Abstract:** The invention relates to an **insulator** which can be fixed to all kinds of **electric fencing** posts, to the flat, rounded parts and also to the corners 3 of wooden posts by virtue of its 90 DEG undercut 1 by means of two pins (spikes) or screws 2. The **insulator** can also be fixed to iron posts of any diameter by virtue of this 90 DEG undercut 1 and at any height on the posts. The **insulator** is fixed by means of an attachment passing into the 3 mm-diameter hole located in its middle 4. the invention also relates to the system for attaching the electric wire which, by means of a slightly elastic tongue 5 on the front part of the **insulator**, enables the wire to be attached by means of a chamfer 6 into its housing 8. By means of this device the wire can be easily removed, as required, without being damaged.

**Classifications:**

**International (IPC 8-9):** H01B17/14 (Advanced/Invention);

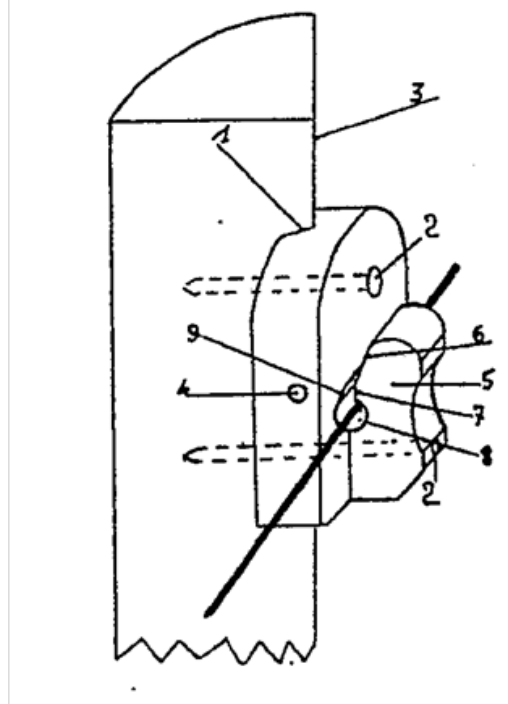
H01B17/14 (Core/Invention)

**International (IPC 1-7):** A01K3/00 H01B17/16

**CPC:** H01B17/145

**European:** H01B17/14B

PatBase - FR2625024\_A1



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR2625024 A1       | 19890623         | FR19870018196      | 19871221         |
| FR2625024 B1       | 19900525         | FR19870018196      | 19871221         |

**Priority:**

FR19870018196 19871221

**Probable Assignee:** ESQUEMBRE YVON

**Assignee(s):** (std): ESQUEMBRE YVON ; SAMARD RAYMOND

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| FR2625024 A1 | 19890623      | LSPB        | +    | published / reissued                 |         |
| FR2625024 B1 | 19900525      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| FR2625024 B1 | 19920417      | LSAS        | TP   | TRANSMISSION OF PROPERTY             |         |
| FR2625024 B1 | 19961031      | LSLE        | -ST  | NOTIFICATION OF LAPSE                |         |
| FR2625024 B1 | 20071221      | PEXP        |      | Calculated Patent Term Expiry        |         |

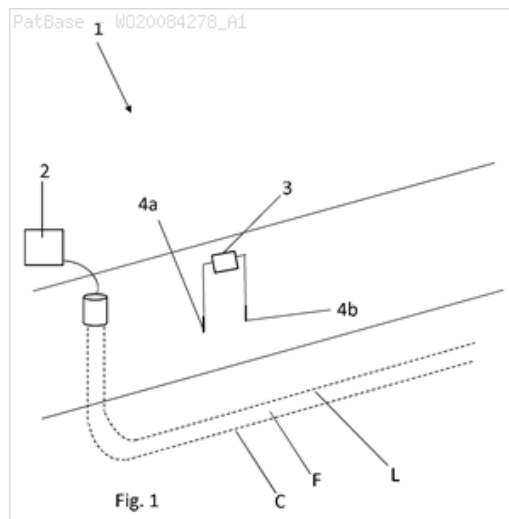
**Title:** LEAK DETECTION

**Abstract:** A method of detecting a leak in a fluid-containing conduit is provided. The method comprises providing a high voltage to the fluid contained in the conduit, and sensing for leakage of electrical current from the conduit. An apparatus for use in such a method is also provided.

**Classifications:**

**International (IPC 8-9):** F17D5/06 G01M3/00 G01M3/16 G01M3/18 G01M3/40 (Advanced/Invention)

**CPC:** E03B7/003 G01M3/18 G01M3/40 F17D5/06 G01M3/00 G01M3/16 G01M3/165



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB201817462 A0     | 20181212         | GB20180017462      | 20181026         |
| GB201817497 A0     | 20181212         | GB20180017497      | 20181026         |
| GB201905008 A0     | 20190522         | GB20190005008      | 20190409         |
| GB2578494 A1       | 20200513         | GB20190005008      | 20190409         |
| WO20084278 A1      | 20200430         | WO2019GB52903      | 20191011         |

**Priority:**

GB20180017462 20181026 GB20180017497 20181026 GB20190005008 20190409

**Probable Assignee:** LEAK SEEKER LTD

**Assignee(s):** (std): LEAK SEEKER LTD

**Inventor(s):** (std): BAYLEY DEREK LEWIS ; DEREK LEWIS BAYLEY

**Agent(s):** ABEL AND IMRAY

**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 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

**Legal status (INPADOC)**

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| Patent        | Date recorded | Event group | Code | Event                | Details |
|---------------|---------------|-------------|------|----------------------|---------|
| GB2578494 A1  | 20200513      | LSPB        | +    | published / reissued |         |
| WO20084278 A1 | 20200430      | LSPB        | +    | published / reissued |         |

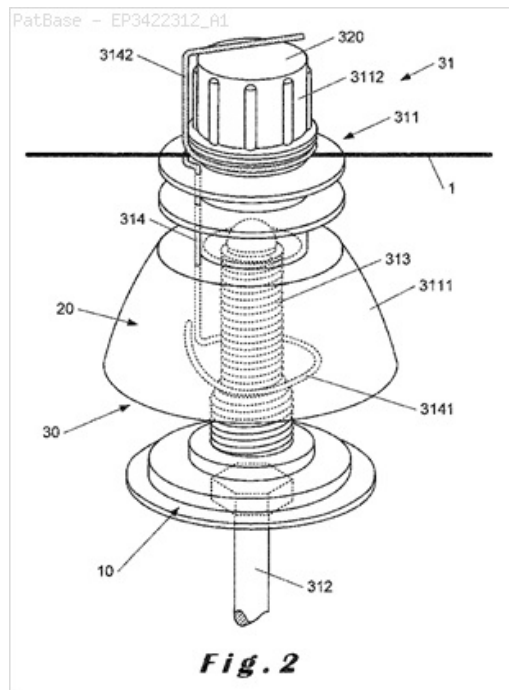
**Title:** **ELECTRIC FENCE** SYSTEM WITH SMART PROTECTION SYSTEME DE CLOTURE ELECTRIQUE DE PROTECTION INTELL

**Abstract:** Source: EP3422312A1 [FR] L'invention concerne un systeme de cloture electrique de protection intelligente. Le systeme comprend un troncon de fil de cloture electrique (1) dispose le long d'au moins une partie dudit perimetre, alimente electriquement et soutenu par un guide (31). Ce guide (31) comporte un isolateur creux (311), un element elastique (313) conducteur electrique place au moins partiellement a l'interieur de l'isolateur (311) et un element conducteur (314) en contact electrique avec le troncon de fil de cloture electrique (1) et entourant au moins partiellement l'element elastique (313) tout en etant a un potentiel electrique different de celui-ci. L'element elastique (313) peut se flechir lorsqu'un effort determine est exerce sur le troncon de fil de cloture electrique (1), engendrant ainsi un contact electrique avec l'element conducteur (314). Ce contact electrique peut alors etre capte par un systeme de detection. **Machine translation:** The invention relates to a system for intelligent protection electrical closure. The system includes a frustum of a wire electrical closing (1) disposed along at least a part of said perimeter electrically powered, and supported by a guide (31). This guide (31) comprises a hollow **insulator** (311), an elastic element (313) electrical conductor disposed at least partially within the **insulator** (311) and a conductive element (314) in electrical contact with the frustum of electrical wire closing (1) and at least partially surrounding the elastic element (313) while being at a different electric potential thereto. The elastic element (313) may be bend when a force is exerted on the frustum of closing wire determines electrical (1), thus giving rise electrical contact with the conductive member (314). This electrical contact can then be picked up by a detection system.

**Classifications:**

**International (IPC 8-9):** G08B13/12 (Advanced/Invention)

**CPC:** G08B13/122 G08B13/12



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| BE1025350 AB       | 20190129         | BE20170005467      | 20170630         |
| BE1025350 BB       | 20190205         | BE20170005467      | 20170630         |
| DE602018003219 D1  | 20200416         | DE201860003219T    | 20180607         |
| EP3422312 A1       | 20190102         | EP20180176459      | 20180607         |
| EP3422312 B1       | 20200325         | EP20180176459      | 20180607         |
| EP3422312 B8       | 20200506         | EP20180176459      | 20180607         |

**Priority:**

BE20170005467 20170630 EP20180176459 20180607

**Probable Assignee:** EUROCLOTURE SPRL

**Assignee(s):** (std): EUROCLOTURE SPRL

**Inventor(s):** (std): WINDERS MARC

**Agent(s):** GEVERS PATENTS

**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

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code | Event                  | Details         |
|--------------|---------------|-------------|------|------------------------|-----------------|
| BE1025350 AB | 20190129      | LSGT        | +    | granted / extensions   | (spc, cpc, pte) |
| BE1025350 AB | 20370630      | PEXP        |      | Calculated Patent Term | Expiry          |

|                   |          |      |       |                                         |                                                                                                                                                                                                                      |
|-------------------|----------|------|-------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BE1025350 BB      | 20190205 | LSGT | +     | granted / extensions<br>(spc, cpc, pte) |                                                                                                                                                                                                                      |
| BE1025350 BB      | 20190225 | LSGT | +FG   | PATENT GRANTED                          | EFFECTIVE DATE : 20190205                                                                                                                                                                                            |
| BE1025350 BB      | 20370630 | PEXP |       | Calculated Patent Term<br>Expiry        |                                                                                                                                                                                                                      |
| DE602018003219 D1 | 20200323 | LSAS | R081  | CHANGE OF<br>APPLICANT/PATENTEE         | PARTYTYPE : OWNER<br>OLDPARTY : EUROCLOTURE<br>SPRL, LIGNE, BE                                                                                                                                                       |
| EP3422312 A1      | 20190102 | LSPB | +     | published / reissued                    |                                                                                                                                                                                                                      |
| EP3422312 A1      | 20190710 | LSES | +17P  | REQUEST FOR<br>EXAMINATION FILED        | EFFECTIVE DATE : 20190603                                                                                                                                                                                            |
| EP3422312 A1      | 20191211 | LSGT | +INTG | INTENTION TO GRANT<br>ANNOUNCED         | EFFECTIVE DATE : 20191114                                                                                                                                                                                            |
| EP3422312 B1      | 20200325 | LSGT | +     | granted / extensions<br>(spc, cpc, pte) |                                                                                                                                                                                                                      |
| EP3422312 B1      | 20200325 | LSGT | REG   | REFERENCE TO A<br>NATIONAL CODE         | REF COUNTRY CODE : GB<br>REF LEGAL EVENT CODE :<br>FG4D<br>TEXT : NOT ENGLISH                                                                                                                                        |
| EP3422312 B1      | 20200408 | LSAS | RAP2  | RIGHTS OF A PATENT<br>TRANSFERRED       | PARTYTYPE : OWNER<br>OWNER : EUROCLOTURE SPRL                                                                                                                                                                        |
| EP3422312 B1      | 20200415 | LSRE | REG   | REFERENCE TO A<br>NATIONAL CODE         | REF COUNTRY CODE : CH<br>REF LEGAL EVENT CODE : PK<br>TEXT : RECTIFICATION B8                                                                                                                                        |
| EP3422312 B1      | 20200415 | LSNP | REG   | REFERENCE TO A<br>NATIONAL CODE         | REF COUNTRY CODE : AT<br>REF LEGAL EVENT CODE : REF<br>REF DOCUMENT NUMBER :<br>1249461<br>COUNTRY OF REF DOCUMENT<br>: AT<br>KIND CODE OF REF<br>DOCUMENT : T<br>DESIGNATED STATE(S) :<br>EFFECTIVE DATE : 20200415 |
| EP3422312 B1      | 20200416 | LSPB | REG   | REFERENCE TO A<br>NATIONAL CODE         | REF COUNTRY CODE : DE<br>REF LEGAL EVENT CODE :<br>R096<br>REF DOCUMENT NUMBER :<br>602018003219<br>COUNTRY OF REF DOCUMENT<br>: DE                                                                                  |
| EP3422312 B1      | 20380607 | PEXP |       | Calculated Patent Term<br>Expiry        |                                                                                                                                                                                                                      |

Title: **ELECTRIC FENCE** EXTENDER

**Abstract:** The present disclosure is directed to a stand-off device which may be coupled to an already existing fence with out requiring tools for installation or removal for purposes of running an electrically charged wire at a spaced point inside the fence perimeter to keep livestock from approaching and laying against the fence to break it down. The extender is a substantially Y shaped member having fence attaching eyes at the free ends of the arms and an **insulator** at the free end of the elongated leg member of the Y-shape.

**Classifications:**

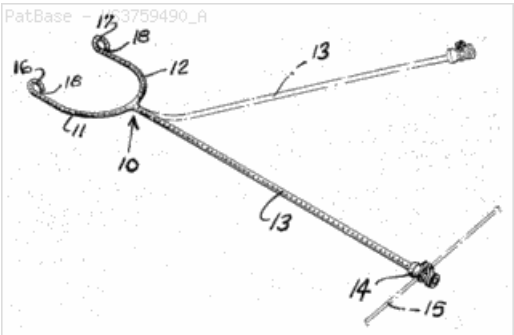
**International (IPC 8-9):** E04H17/24 (Advanced/Invention);  
E04H17/14 (Core/Invention)

**International (IPC 1-7):** E04H17/06

**CPC:** E04H17/24

**European:** E04H17/24

**US:** 174/158F 256/10



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US3759490 A        | 19730918         | US19720247309      | 19720425         |

**Priority:**

US19720247309 19720425

**Probable Assignee:**

HEUBERGER C

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

HEUBERGER C

**Assignee(s):**

HEUBERGER C US

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

HEUBERGER C

**Inventor(s):**

HEUBERGER C US

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US3759490 A | 19730918      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

Title: **ELECTRIC FENCE**

**Abstract:** 1. The combination with an **electric fence** wire of means for supplying an alternating potential, and means including a capacitor and a saturable core reactor connected to said supply means and said fence wire for producing a periodically varying potential whose frequency is less than the frequency of said supply means.

**Classifications:**

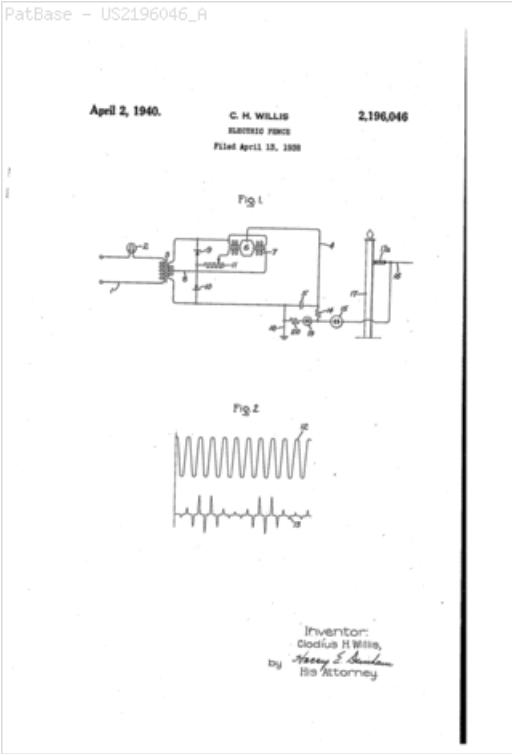
**International (IPC 8-9):** H05C1/02 (Advanced/Invention);

H05C1/00 (Core/Invention)

**CPC:** H05C1/02

**European:** H05C1/02

**US:** 256/10 307/107 307/108 307/150 315/129 315/201 315/205 315/232 315/243 315/245 315/284 363/170



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2196046 A        | 19400402         | US19380201775      | 19380413         |

**Priority:**

US19380201775 19380413

**Probable Assignee:** GEN ELECTRIC

**Assignee(s):** (std): GEN ELECTRIC

**Assignee(s):** GENERAL ELECTRIC CO ; GENERAL ELECTRIC COMPANY

**Inventor(s):** (std): WILLIS CLODIUS H

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US2196046 A | 19400402      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** MODULAR **ELECTRIC FENCE** SYSTEM AND ASSEMBLY

**Abstract:** A modular **insulator** system and assembly for attaching a conductor to a support member. The modular **insulator** assembly includes an **insulator** body attachable to a support member. A conductor retainer is attachable to the **insulator** body in a manner that forms a conductor passage between the conductor retainer and the **insulator** body. The modular **insulator** system includes an **insulator** body selected from a top-mount **insulator** body, a support passage **insulator** body, an **insulator** body including an extended neck, a surface mount **insulator** body and a combination surface/T-post mount **insulator** body the **insulator** body attachable to the support member and a conductor retainer selected from a group of conductor retainers including a bare conductive wire retainer, a narrow gage conductive tape retainer and a wide gage conductive tape retainer, the selected **insulator** body attachable to a support member and the selected conductor retainer attachable to the selected **insulator** body.

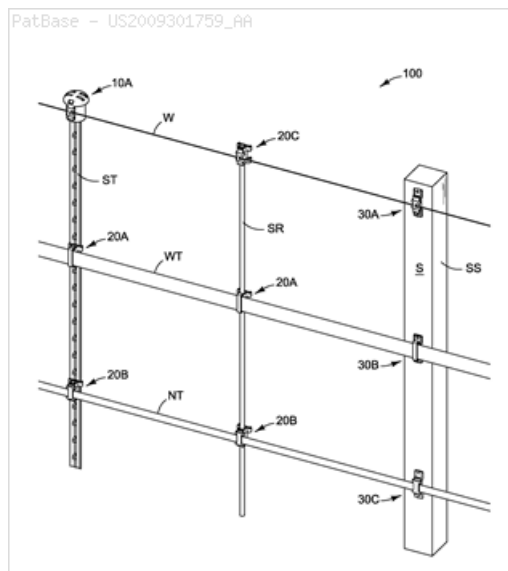
**Classifications:**

**International (IPC 8-9):** H01B17/00 (Advanced/Invention);  
H01B17/00 (Core/Invention)

**CPC:** H01B17/145 H01B17/22 A01K3/005

**European:** H01B17/22

**US:** 174/138.00G 174/138G 174/154 174/158.00F 174/158F 174/163.00R  
174/163R 174/168 248/72 256/10 258/72



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2009301759 AA    | 20091210         | US20080134628      | 20080606         |
| US7968797 BB       | 20110628         | US20080134628      | 20080606         |

**Priority:**

US20080134628 20080606

**Probable Assignee:**

WILLIAMS JAMES L

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

WILLIAMS JAMES L

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

WILLIAMS JAMES L

**Agent(s):**

HOLLAND LAW OFFICE PLLC

**Legal status (INPADOC)**

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| Patent          | Date recorded | Event group | Code  | Event                                                                   | Details                                                                        |
|-----------------|---------------|-------------|-------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| US2009301759 AA | 20091210      | LSPB        | +     | published / reissued                                                    |                                                                                |
| US7968797 BB    | 20110628      | LSGT        | +     | granted / extensions (spc, cpc, pte)                                    |                                                                                |
| US7968797 BB    | 20150628      | LSLE        | -LAPS | LAPSE FOR FAILURE TO PAY MAINTENANCE FEES                               |                                                                                |
| US7968797 BB    | 20150727      | LSLE        | -PEX1 | Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362 |                                                                                |
| US7968797 BB    | 20150727      | LSLE        | -STCH | INFORMATION ON STATUS: PATENT DISCONTINUATION                           | TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362 |
| US7968797 BB    | 20150818      | LSLE        | -FP   | EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE                           | EFFECTIVE DATE : 20150628                                                      |
| US7968797 BB    | 20300218      | PEXP        |       | Calculated Patent Term Expiry (PTA 622 days)                            |                                                                                |

Title: **ELECTRIC FENCE** SUPPORT

**Abstract:** (Claim 1) What is claimed is: An **electric fence** wire support adapted to be connected to an upri,-ht post comprising; a normally horizontal supporting arm, means pivotally connectin.- one ciid of said S7,ipportin- arm to an ti \_pright post, an insu\_lating r\_iember connected to an - opposite end of said arm, said insulating member bein,- - idapted to carry an intermittitly cbar.-ed **electric fence** Nvire, a normally dia,-Onally extending brace, means pivotally connectin.- one end of said brace to said arm substantially adjacent said insulatiii.a member, said brac-.

**Classifications:**

**International (IPC 8-9):** H01B17/14 (Advanced/Invention);

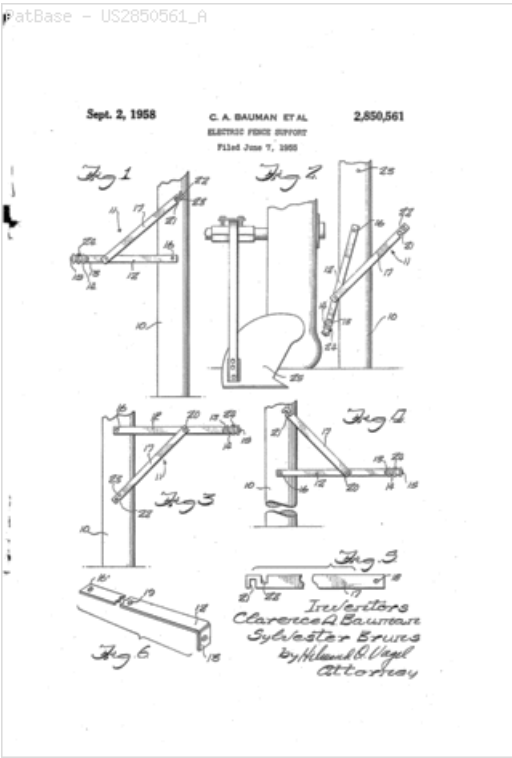
H01B17/14 (Core/Invention)

**International (IPC 1-7):** E04H17/20

**CPC:** H01B17/145

**European:** H01B17/14B

**US:** 174/161F 174/166R 248/240.4



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2850561 A        | 19580902         | US19550513878      | 19550607         |

**Priority:**

US19550513878 19550607

**Probable Assignee:** BAUMAN CLARENCE A

**Assignee(s):** (std): BAUMAN CLARENCE A ; SYLVESTER BRUNS

**Inventor(s):** (std): BAUMAN CLARENCE A ; SYLVESTER BRUNS

**Inventor(s):** BRUNS SYLVESTER

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US2850561 A | 19580902      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** ISOLATEUR-SUPPORT DE LIGNES ELECTRIQUES POUR CLOTURES ELECTRIQUES, LIGNES TELEPHONIQUES, DE DISTRIBUTION ELECTRIQUES OU AUTRES ISOLATEUR-SUPPORT POWER LINES FOR **ELECTRIC FENCES**, TELEPHONE LINES, OR OTHER ELECTRICAL DISTRIBUTION (Machine translation)

**Abstract:** Source: FR1531314A [FR] (Claim 1) 1 Au moins deux crochets a ouvertures oppo sees ou alternees;

**Machine translation:** (Claim 1) At least one has two hooks or alternate openings oppo Sees

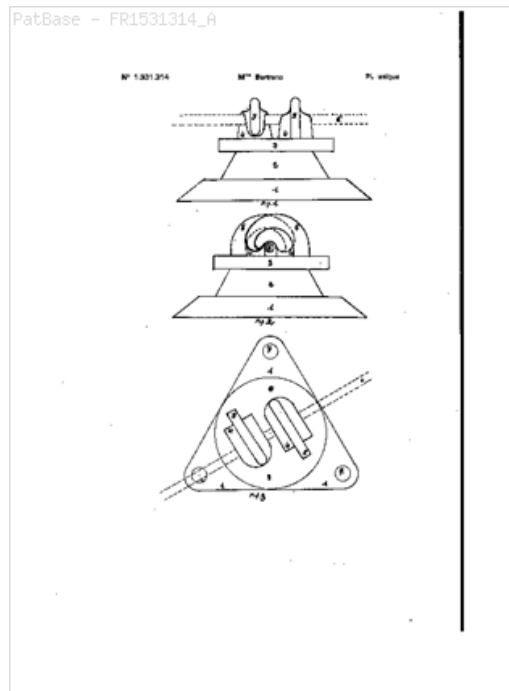
**Classifications:**

**International (IPC 8-9):** H01B17/14 (Advanced/Invention);  
H01B17/14 (Core/Invention)

**International (IPC 1-7):** H01B17/14

**CPC:** H01B17/145

**European:** H01B17/14B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR1531314 A        | 19680705         | FR19620908049      | 19620829         |

**Priority:**

FR19620908049 19620829

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

BERTRAND NICOLE

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| FR1531314 A | 19680705      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| FR1531314 A | 19820829      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** IMPROVEMENTS IN **INSULATORS** FOR ELECTRIC WIRES

**Abstract:** 682,715. **Insulators.** WOLSELEY SHEEP SHEARING MACHINE CO., Ltd., and MACNAMARA, H. J. June 6, 1951 [June 7, 1950; Nov. 16, 1950], Nos. 14182/50 and 20813/50. Class 36. An **insulator** 1 comprising a conical portion 2 and a headed shank 3 diametrically grooved at 4 to receive a wire 5, is provided with a coil 6 mounted on shank 3 and retained between the shank head 9 and a shoulder 10. The wire 5 is laid in the top of the groove 4 and the coil 6 is turned so that the wire passes between its convolutions and is drawn down and held in the groove.

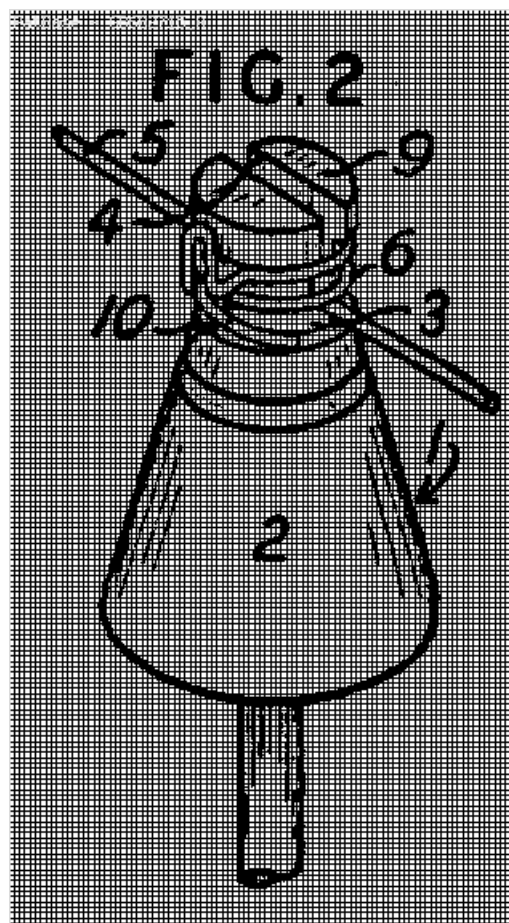
**Classifications:**

**International (IPC 8-9):** H01B17/14 (Advanced/Invention);  
H01B17/14 (Core/Invention)

**International (IPC 1-7):** H01B17/14 H01B17/24

**CPC:** H01B17/145

**European:** H01B17/14B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB682715 A         | 19521112         | GB19500014182      | 19500607         |

**Priority:**

GB19500014182 19500607

**Probable Assignee:** HUGH JOHN MACNAMARA

**Assignee(s):** (std): HUGH JOHN MACNAMARA ; WOLSELEY SHEEP SHEARING MACHIN ; WOLSELEY SHEEP SHEARING MACH

**Assignee(s):** WOLSELEY SHEEP SHEARING MACHINE CO LTD ; THE WOLSELEY SHEEP SHEARING MACHINE COMPANY LIMITED

**Legal status (INPADOC)**

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| Patent     | Date recorded | Event group | Code | Event                                | Details |
|------------|---------------|-------------|------|--------------------------------------|---------|
| GB682715 A | 19521112      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| GB682715 A | 19700607      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** GLOW IN THE DARK **ELECTRIC FENCEING** ACCESSORIES

**Abstract:** Glow in the dark accessories for an **electric fence**

**Classifications:**

**International (IPC 8-9):** A01K3/00 F21V9/30 H01B5/12 (Advanced/Invention)

**CPC:** A01K3/005 B29K2995/0035 H01B17/145

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2019100715 AD    | 20191212         | AU20190100715      | 20190806         |

**Priority:**

AU20190100715 20190806

**Probable Assignee:** DUNSTALLS CLEARANCE WAREHOUSE PTY LTD

**Assignee(s):** (std): DUNSTALLS CLEARANCE WAREHOUSE PTY LTD

**Assignee(s):** DUNSTALL S CLEARANCE WAREHOUSE PTY LTD

**Inventor(s):** (std): DUNSTALL BRENT

**Agent(s):** DUNSTALLS CLEARANCE WAREHOUSE PTY LTD

**Legal status (INPADOC)**

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| Patent          | Date recorded | Event group | Code | Event                                                | Details                   |
|-----------------|---------------|-------------|------|------------------------------------------------------|---------------------------|
| AU2019100715 AD | 20191212      | LSGT        | +    | granted / extensions (spc, cpc, pte)                 |                           |
| AU2019100715 AD | 20191107      | LSRE        | AMFD | AMENDMENT OF FILING DATE                             | EFFECTIVE DATE : 20190806 |
| AU2019100715 AD | 20191212      | LSGT        | +FGI | LETTERS PATENT SEALED OR GRANTED (INNOVATION PATENT) |                           |

**Abstract:** Source: DE8633072U1 [DE] (Claim 1) 1. Rundballensilo fuer Anweilksilage, gekennzeichnet durch je ein winklig ausgebildetes Lnkes (2) und rechtes Kopfstueck (3), ein oder mehrere kopf-und abschlusseiteige Erweiterungselemente (9), links und rechts verwendbare seitliche Erweiterungsstuecke (11) sowie Linke und rechte Abschlusselemente (12, 13), wobei alle Stuecke bzw. Elemente (2, 3, 9, 11, 12, 13) am oberen Rand eine Rinne (7) zum Einklemmen einer Abdeckfolie (17) aufweisen.

**Machine translation:** (Claim 1) 1 Rundballensilo for silage, characterized by a respective angular trained Lnkes (2) and right Kopfstueck (3), one or more head-and financial statements side extension elements (9), left and right side Erweiterungsstuecke (11) and left and right locking elements (12, 13), and all pieces or elements (2, 3, 9, 11, 12, 13) on top of a groove (7) for clamping a cover (17) have.

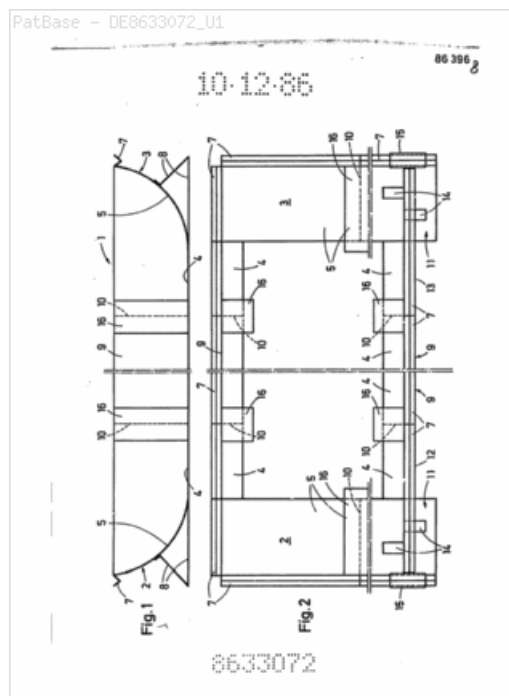
**Classifications:**

**International (IPC 8-9):** A01F25/14 A01F25/16 (Advanced/Invention); A01F25/14 A01F25/16 (Core/Invention)

**International (IPC 1-7):** A01F25/13 A01F25/16 B65D90/02 B65D90/08 B65D90/54

**CPC:** A01F25/166 A01F25/14

**European:** A01F25/14 A01F25/16F



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE8633072 U1       | 19870205         | DE19860033072U     | 19861210         |

**Priority:**

DE19860033072U 19861210

**Probable Assignee:** GIERSE CHRISTOPH 5779 ESLOHE DE

**Assignee(s):** GIERSE CHRISTOPH 5779 ESLOHE DE

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| DE8633072 U1 | 19870205      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Abstract:** ABSTRACT OF THE DISCLOSURE

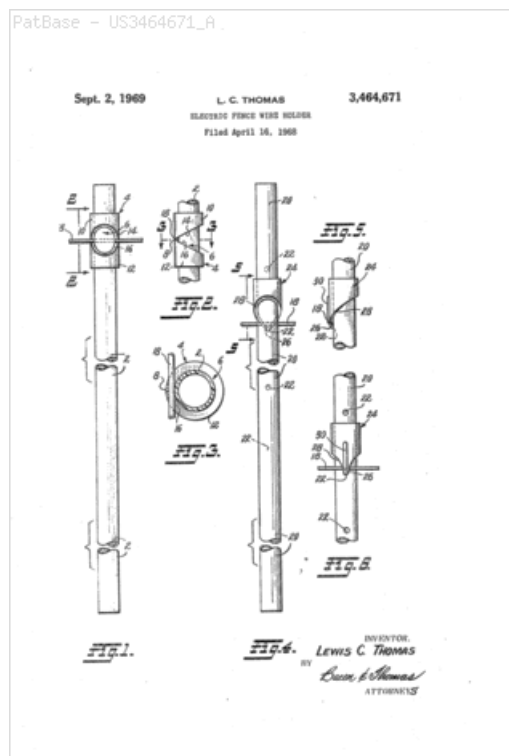
**Classifications:**

**International (IPC 1-7):** A01K3/00 H05C1/00

**CPC:** H01B17/145

**European:** H01B17/14B

**US:** 174/163F 256/10 256/48



| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US3464671 A        | 19690902         | US19680721868      | 19680416         |

US19680721868 19680416

**Assignee(s):** (std): LEWIS C THOMAS

**Inventor(s):** (std): THOMAS LEWIS C

**Inventor(s):** LEWIS C THOMAS

[View legal status timeline](#)

| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US3464671 A | 19690902      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

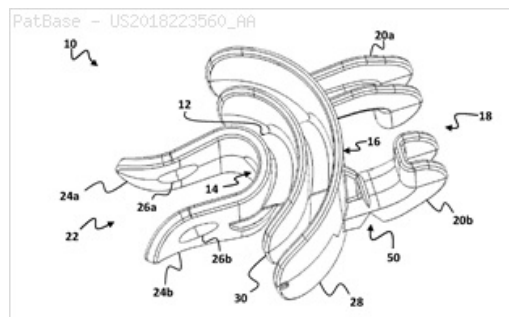
Title: AN **ELECTRIC FENCE INSULATOR**

**Abstract:** An **insulator** for an **electric fence** having at least one wire is described. The **insulator** includes a body having a first end and a second end, a post connector portion at the first end of the body for connecting the **insulator** to a fence post, a wire attachment portion at the second end of the body, and at least one shield surrounding and extending outwardly from the body at a position away from the connector portion towards the second end, the shield including lateral portions on either side of the body. The lateral portions of the shield angle away from the second end of the body towards the first end of the body, such that when installed a straight section of the wire cannot bear against respective edges of both lateral portions simultaneously, and pass along their entire lengths, without contacting the fence post.

**Classifications:****International (IPC 8-9):** A01K3/00 E04H17/04 E04H17/10 H01B17/00

H01B17/14 H01B17/32 H01B7/40 (Advanced/Invention);

G08B13/12 (Advanced/Non-invention)

**CPC:** A01K3/005 H01B17/145 E04H17/04 E04H17/10**US:** 1/1 256/10**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2016301091 AA    | 20180322         | AU20160301091      | 20160729         |
| CA3032297 AA       | 20190128         | CA20163032297      | 20160729         |
| CN108140459 A      | 20180608         | CN201680056982     | 20160729         |
| EP3329499 A1       | 20180606         | EP20160830908      | 20160729         |
| EP3329499 A4       | 20190320         | EP20160830908      | 20160729         |
| US2018223560 AA    | 20180809         | US20160749048      | 20160729         |
| WO17018892 A1      | 20170202         | WO2016NZ50122      | 20160729         |

**Priority:**

NZ20150710566 20150730 WO2016NZ50122 20160729

**Probable Assignee:** GALLAGHER GROUP LTD**Assignee(s):** (std): GALLAGHER GROUP LMTED ; GALLAGHER GROUP LTD**Assignee(s):** MALINS CRAIG DAVID**Inventor(s):** (std): MALINS CRAIG DAVID ; MALNS CRAG DAVD**Agent(s):** JAMES AND WELLS INTELLECTUAL PROPERTY; HICKS INTELLECTUAL PROPERTY LAW; SCILLETTA ANDREA; TUCK JASON 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

**Legal status (INPADOC)**

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| Patent          | Date recorded | Event group | Code  | Event                                               | Details                   |
|-----------------|---------------|-------------|-------|-----------------------------------------------------|---------------------------|
| AU2016301091 AA | 20180322      | LSPB        | +     | published / reissued                                |                           |
| CA3032297 AA    | 20190128      | LSPB        | +     | published / reissued                                |                           |
| CN108140459 A   | 20180608      | LSPB        | +     | published / reissued                                |                           |
| CN108140459 A   | 20180608      | LSPB        | PB01  | PUBLICATION                                         |                           |
| EP3329499 A1    | 20180606      | LSPB        | +     | published / reissued                                |                           |
| EP3329499 A1    | 20180606      | LSES        | +17P  | REQUEST FOR EXAMINATION FILED                       | EFFECTIVE DATE : 20180227 |
| EP3329499 A4    | 20190320      | LSES        | +A4   | SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED | EFFECTIVE DATE : 20190214 |
| EP3329499 A4    | 20191127      | LSGT        | +INTG | INTENTION TO GRANT ANNOUNCED                        | EFFECTIVE DATE : 20191031 |
| US2018223560 AA | 20180809      | LSPB        | +     | published /                                         |                           |

| reissued        |          |      |      |                                                |                                                                                                                                                                                                           |
|-----------------|----------|------|------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US2018223560 AA | 20190514 | LSAS | AS   | ASSIGNMENT                                     | PARTYTYPE : OWNER<br>OWNER : GALLAGHER GROUP LIMITED, NEW ZEALAND<br>OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;<br>ASSIGNOR:MALINS, CRAIG DAVID;<br>REEL/FRAME:049177/0326<br>EFFECTIVE DATE : 20190415 |
| WO17018892 A1   | 20170202 | LSPB | +    | published / reissued                           |                                                                                                                                                                                                           |
| WO17018892 A1   | 20180130 | LSNP | +WWE | WIPO INFORMATION:<br>ENTRY INTO NATIONAL PHASE | REF DOCUMENT NUMBER : 15749048<br>COUNTRY OF REF DOCUMENT : US                                                                                                                                            |
| WO17018892 A1   | 20180131 | LSNE | NENP | NON-ENTRY INTO THE NATIONAL PHASE IN:          | REF COUNTRY CODE : DE                                                                                                                                                                                     |
| WO17018892 A1   | 20180322 | LSNP | ENP  | ENTRY INTO THE NATIONAL PHASE                  | REF DOCUMENT NUMBER : 2016301091<br>COUNTRY OF REF DOCUMENT : AU<br>DATE OF REF DOCUMENT : 20160729<br>KIND CODE OF REF DOCUMENT : A<br>DESIGNATED STATE(S) :                                             |
| WO17018892 A1   | 20190128 | LSNP | ENP  | ENTRY INTO THE NATIONAL PHASE                  | REF DOCUMENT NUMBER : 3032297<br>COUNTRY OF REF DOCUMENT : CA                                                                                                                                             |

**Title:** LINEAR ELEMENT FOR AN **ELECTRIC FENCE**

**Abstract:** The invention relates to a linear element for an **electric fence**, comprising at least one electrical conductor which is built into at least one plastic support. The inventive linear element also comprises at least one textile yarn which is totally or partially built into the support, said conductor and said textile yarn forming a structural unit with the support. The aforementioned support is fully or partially made from a semiconducting plastic material. According to the invention, the support defines repellent areas at which an electrical contact can occur with any body or element external to said structural unit.

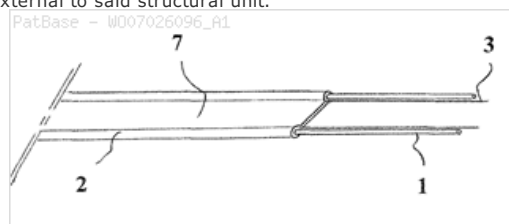
**Classifications:**

**International (IPC 8-9):** A01K3/00 H01B5/00 (Advanced/Invention);

A01K3/00 H01B5/00 (Core/Invention)

**CPC:** A01K3/005 H01B5/008

**European:** A01K3/00C H01B5/00D



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR2889905 A1       | 20070302         | FR20050008821      | 20050829         |
| FR2889905 B1       | 20071012         | FR20050008821      | 20050829         |
| WO07026096 A1      | 20070308         | WO2006FR50817      | 20060829         |

**Priority:**

FR20050008821 20050829

**Probable Assignee:** CIE GENERALE DES PLASTIQUES

**Assignee(s):** (std): BELLON JEAN MICHEL ; CIE GENERALE DES PLASTIQUES ; REY ALAIN

**Assignee(s):** JEAN MICHEL BELLON ; ALAIN REY ; DES PLASTIQUES COMP GEN ; COMPAGNIE GENERALE DES PLASTIQUES

**Inventor(s):** (std): BELLON JEAN MICHEL ; REY ALAIN

**Inventor(s):** JEAN MICHEL BELLON ; ALAIN REY

**Agent(s):** CABINET LAURENT ET CHARRAS

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

**Legal status (INPADOC)**

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| Patent        | Date recorded | Event group | Code  | Event                                           | Details                                                                                                                   |
|---------------|---------------|-------------|-------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| FR2889905 A1  | 20070302      | LSPB        | +     | published / reissued                            |                                                                                                                           |
| FR2889905 A1  | 20070525      | LSLI        | CL    | CONCESSION TO GRANT LICENCES                    |                                                                                                                           |
| FR2889905 B1  | 20071012      | LSGT        | +     | granted / extensions (spc, cpc, pte)            |                                                                                                                           |
| FR2889905 B1  | 20160830      | LSFE        | +PLFP | FEE PAYMENT                                     | YEAR OF FEE PAYMENT : 12                                                                                                  |
| FR2889905 B1  | 20180525      | LSLE        | -ST   | NOTIFICATION OF LAPSE                           | EFFECTIVE DATE : 20180430                                                                                                 |
| FR2889905 B1  | 20250829      | PEXP        |       | Calculated Patent Term Expiry                   |                                                                                                                           |
| WO07026096 A1 | 20070308      | LSPB        | +     | published / reissued                            |                                                                                                                           |
| WO07026096 A1 | 20080301      | LSNE        | NENP  | NON-ENTRY INTO THE NATIONAL PHASE IN:           | REF COUNTRY CODE : DE                                                                                                     |
| WO07026096 A1 | 20081015      | LSNE        | -122  | EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE | REF DOCUMENT NUMBER : 06808257<br>COUNTRY OF REF DOCUMENT : EP<br>KIND CODE OF REF DOCUMENT : A1<br>DESIGNATED STATE(S) : |

**Abstract:** Source: DE7507758U [DE] (Claim 1) 1. Isolatorstuetze fuer Federstahlpfaehle von Elektrozaunanlagen, bestehend aus einem U-foermigen Buegel, dessen Schenkel unter Klemmwirkung gegen den mit erhabenen Schraegrippen versehenen Pfahl zur Anlage zu bringen sind, indem eine Mutter auf einem Gewindeansatz angezogen word., der als Teil der Isolatorstuetze durch sich gegenueberliegende Loecher in den freien Enden der Klemmschenkel zu stecken ist, dadurch gekennzeichnet, dass vorzugsweise beide Klemmschenkel (5,6; 17,18) im Bereich ihrer Anlage mit dem Pfahl 1; 2o) mit mindestens einem auf den Pfahl- umfang gerichteten Vorsprung 12, 13; 21, 22) versehen sind, der zwischen zwei Schraegrippen (1a, 1b20a) fasst.

**Machine translation:** (Claim 1) 1 Put terminal **insulator** for **electric fencing** of Federstahlpfaehle, consisting of a U-shaped bracket, the legs under clamping action against a duly raised Schraegrippen post to the facility are by a nut on a threaded approach attracted word. is put as part of Isolatorstuetze through opposing holes in the free ends of the clamping arm, wherein preferably two clamping legs (5.6, 17.18) in the region of its contact with the pile 1; 2o) with at least one the extensive post-directed projection 12, 13, 21, 22) are provided, which can accommodate between two Schraegrippen (1a, 1b20a).

**Classifications:**

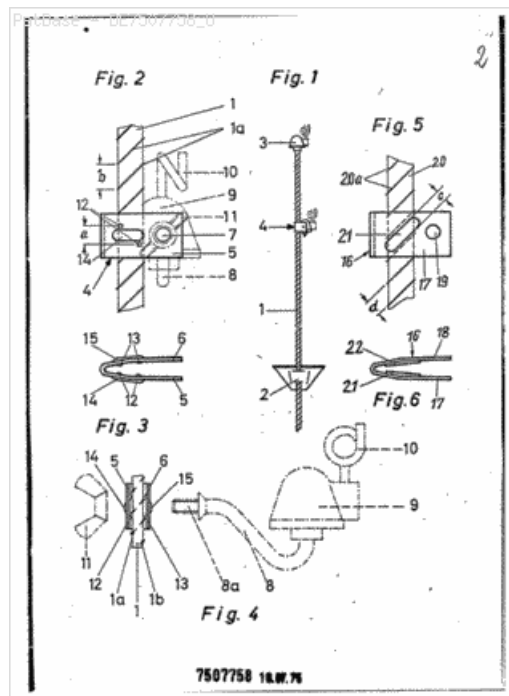
**International (IPC 8-9):** H01B17/24 (Advanced/Invention);

H01B17/00 (Core/Invention)

**International (IPC 1-7):** H01B17/24

**CPC:** H01B17/24

**European:** H01B17/24



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE7507758 U        | 19750710         | DE19750007758U     | 19750312         |

**Priority:**

DE19750007758U 19750312

**Probable Assignee:**

UTINA ELEKTROWERK GMBH

**Assignee(s):**

UTINA ELEKTROWERK GMBH

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| DE7507758 U | 19750710      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title: INSULATORS**

**Abstract:** 1512530 Wire support **insulator** AHI OPERATIONS LTD 30 Sept 1975 [1 Oct 1974] 39987/75 Heading H2C An insulating support comprises a part 4 slotted to receive a conductor and a sleeve 7 for insertion across the slot and for separating the fastener, e.g. nail 9, from part 4, the support being manufactured as a one-piece moulding, Fig. 1, and the sleeve being attached to the body by frangible sections 8. The body may have external corrugations. On striking the nail the frangible sections 8 fracture allowing the sleeve to enter the corresponding bore in the body, further blows completing the assembly as shown on Fig. 4,

**Classifications:**

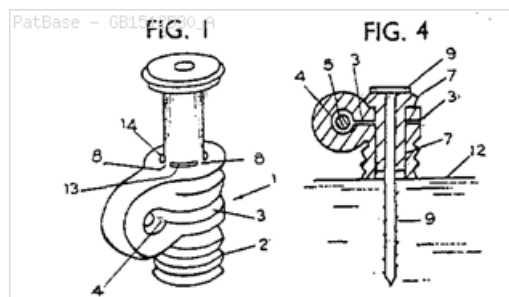
**International (IPC 8-9):** F16L3/123 H01B17/14 (Advanced/Invention);

F16L3/12 H01B17/14 (Core/Invention)

**International (IPC 1-7):** A01K3/00 H01B17/24

**CPC:** F16L3/1236 H01B17/145

**European:** F16L3/123C H01B17/14B

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU197585383 A1     | 19770407         | AU19750085383      | 19751001         |
| GB1512530 A        | 19780601         | GB19750039987      | 19750930         |
| IE41734 B          | 19800312         | IE19750002121      | 19750929         |
| IE41734 L          | 19760401         | IE19750002121      | 19750929         |
| NZ175576 A         | 19780428         | NZ19740175576      | 19741001         |

**Priority:**

NZ19740175576 19741001

**Probable Assignee:**

AHI OPERATIONS LTD

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

AHI OPERATION LTD ; AHI OPERATIONS LTD

**Assignee(s):**

ALEX HARVEY IND LTD

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

MILLAR T ; MILLAR THOMAS DOUGLAS

**Inventor(s):**

THOMAS DOUGLAS MILLAR

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent         | Date recorded | Event group | Code  | Event                                            | Details |
|----------------|---------------|-------------|-------|--------------------------------------------------|---------|
| AU197585383 A1 | 19770407      | LSPB        | +     | published / reissued                             |         |
| GB1512530 A    | 19780601      | LSGT        | +     | granted / extensions (spc, cpc, pte)             |         |
| GB1512530 A    | 19781004      | LSGT        | +PS   | PATENT SEALED                                    |         |
| GB1512530 A    | 19820506      | LSLE        | -PCNP | PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE |         |
| GB1512530 A    | 19950930      | PEXP        |       | Calculated Patent Term Expiry                    |         |
| IE41734 B      | 19800312      | LSGT        | +     | granted / extensions (spc, cpc, pte)             |         |
| IE41734 B      | 19950929      | PEXP        |       | Calculated Patent Term Expiry                    |         |
| NZ175576 A     | 19780428      | LSPB        | +     | published / reissued                             |         |

**Title:** **INSULATOR** SUPPORT

**Abstract:** (Claim 1) 1. An **electric fence**-wire **insulator** support com- for the mounting of an **insulator** at one end thereof, said bracket having a transverse slot adjacent its other end and a longitudinal slot leading into the transverse slot providing an angular aperture for receiving a fence post of angular cross section, and a snubbing lug struck out from the material of the bracket adjacent the aperture extending longitudinally of the bracket from the transverse slot with the edge of the lug adjacent 1,) the transverse slot adapted for snubbing engagement with the part of a fence post extending through the transverse slot.

**Classifications:**

**International (IPC 8-9):** H01B17/24 (Advanced/Invention);  
H01B17/00 (Core/Invention)

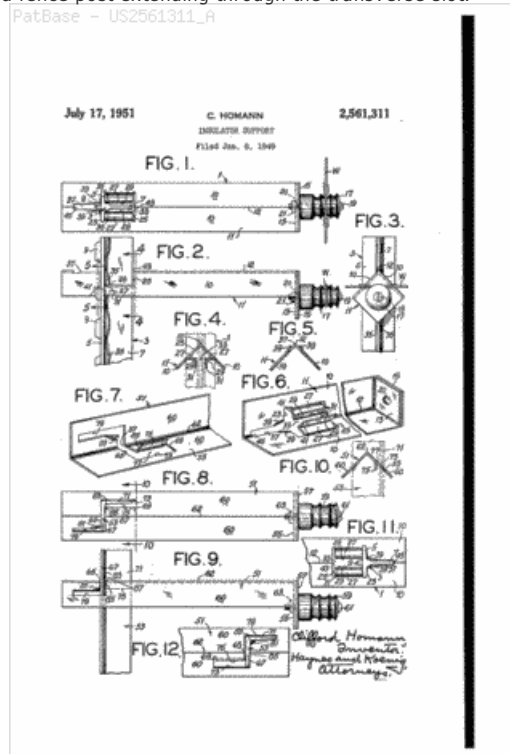
**International (IPC 1-7):** H01B17/22

**CPC:** H01B17/24

**European:** H01B17/24

**US:** 174/163F 248/73 47/46

PatBase - US2561311\_A

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2561311 A        | 19510717         | US19490069897      | 19490108         |

**Priority:**

US19490069897 19490108

**Probable Assignee:**

CLIFFORD HOMANN

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

CLIFFORD HOMANN

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

CLIFFORD HOMANN

**Inventor(s):**

HOMANN CLIFFORD

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US2561311 A | 19510717      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** **INSULATOR** WITH IMPROVED STRENGTH AND EASE OF INSTALLATION

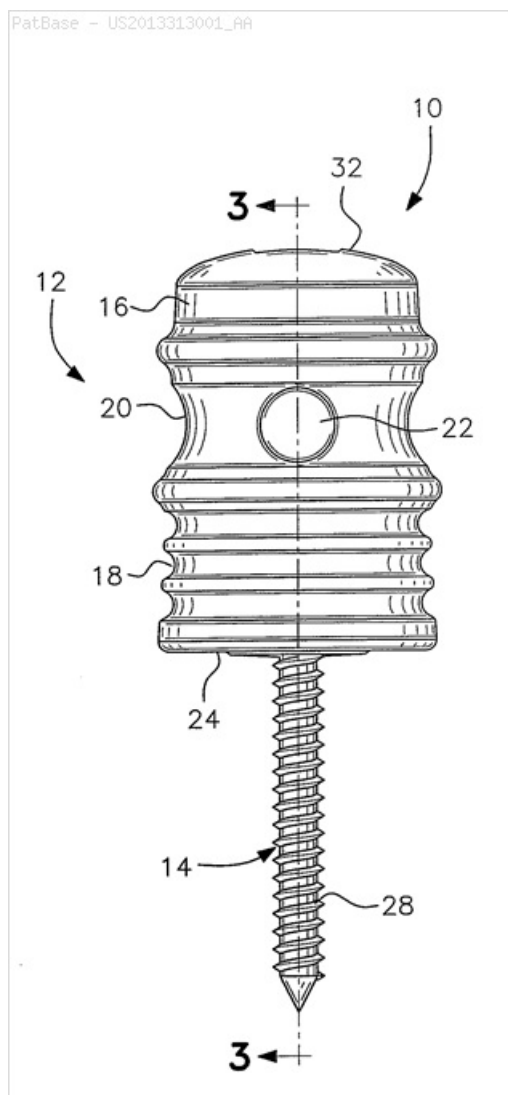
**Abstract:** An **insulator** with improved strength and ease of installation is provided for use with **electric fence** systems. The **insulator** has a body made of a high strength, high toughness polymer and a fastening element for securing the **insulator** to a fence post or other support member. The head of the body has a drivable structure, preferably a socket, by which the **insulator** may be installed using a power tool.

**Classifications:**

**International (IPC 8-9):** H01B17/14 (Advanced/Invention)

**CPC:** H01B17/145

**US:** 174/138R



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2013313001 AA    | 20131128         | US20120480889      | 20120525         |

**Priority:**

US20120480889 20120525

**Probable Assignee:** WOODSTREAM CORP

**Assignee(s):** (std): LUBIC MARKO K ; WOODSTREAM CORP

**Assignee(s):** GENERAL ELECTRIC CAPITAL ADMINISTRATIVE AGENT AS CORP

**Inventor(s):** (std): LUBIC MARKO K

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent          | Date recorded | Event group | Code | Event                | Details                                                                                                    |
|-----------------|---------------|-------------|------|----------------------|------------------------------------------------------------------------------------------------------------|
| US2013313001 AA | 20131128      | LSPB        | +    | published / reissued |                                                                                                            |
| US2013313001 AA | 20120525      | LSAS        | AS   | ASSIGNMENT           | PARTYTYPE : OWNER<br>OWNER : WOODSTREAM CORPORATION,<br>PENNSYLVANIA<br>OLDPARTY : ASSIGNMENT OF ASSIGNORS |

|                 |          |      |       |                                                                  |                                                                                                                                                                                                                                                       |
|-----------------|----------|------|-------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |          |      |       |                                                                  | INTEREST; ASSIGNOR:LUBIC, MARKO K.;<br>REEL/FRAME:028270/0981<br>EFFECTIVE DATE : 20120524                                                                                                                                                            |
| US2013313001 AA | 20130321 | LSAS | AS    | ASSIGNMENT                                                       | PARTYTYPE : OWNER<br>OWNER : GENERAL ELECTRIC CAPITAL<br>CORPORATION, AS ADMINISTR<br>OLDPARTY : SECURITY AGREEMENT;<br>ASSIGNOR:WOODSTREAM CORPORATION;<br>REEL/FRAME:030063/0055<br>EFFECTIVE DATE : 20130321                                       |
| US2013313001 AA | 20141110 | LSWD | -ABD3 | Abandoned -<br>- Failure to<br>Respond to<br>an Office<br>Action |                                                                                                                                                                                                                                                       |
| US2013313001 AA | 20170628 | LSAS | AS    | ASSIGNMENT                                                       | PARTYTYPE : OWNER<br>OWNER : WOODSTREAM CORPORATION,<br>PENNSYLVANIA<br>OLDPARTY : RELEASE OF SECURITY<br>INTEREST RECORDED AT REEL/FRAME<br>30063/0055; ASSIGNOR:ANTARES CAPITAL<br>CORPORATION; REEL/FRAME:043031/0146<br>EFFECTIVE DATE : 20150529 |

**Title:** SECURITY DEVICE

**Abstract:** A security device (9) for sensing deflection of a wire (3) of an **electric fence** relative to adjacent wires. The security device (9) including an electrically conductive contact element (10, 12, 13) or elements (10, 12, 13) mounted on a wire (3) or wires (3) and slidable along a non conductive guide tube (11), characterised in that where there is relative displacement of wires (3) towards each other, the contact element (10, 12, 13) comes into electrical contact with a wire (3) or an adjacent contact element (10, 12, 13) with substantially less deflection of the wires (3) than would otherwise be the case. The electrical contact between the contact elements (10, 12, 13) triggers an alarm indicating tampering of the **electric fence**.

**Classifications:**

**International (IPC 8-9):** A01K3/00 E04H17/10 (Advanced/Invention);

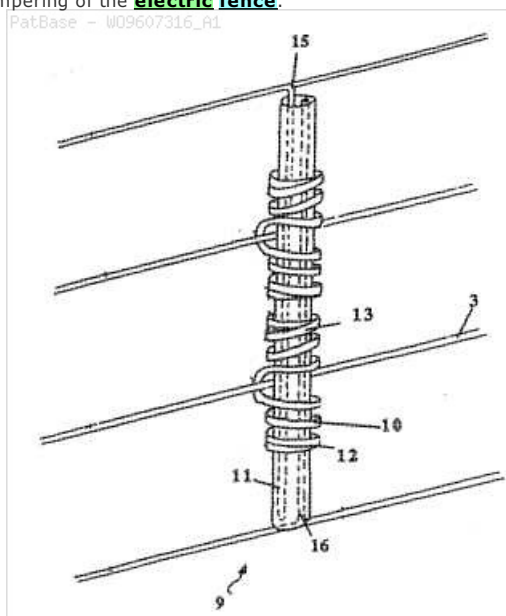
A01K3/00 E04H17/02 (Core/Invention);

A01K G08B (Subclass/Invention)

**International (IPC 1-7):** A01K A01K3/00 E04H17/02 E04H17/10 G08B G08B13/12

**CPC:** A01K3/005 E04H17/10

**European:** A01K3/00C E04H17/10



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU199534869 A1     | 19960327         | AU19950034869      | 19950831         |
| EP0699386 A1       | 19960306         | EP19950202387      | 19950904         |
| GB9502674 A0       | 19950329         | GB19950002674      | 19950211         |
| NL193925 B         | 20001101         | NL19940001438      | 19940902         |
| NL193925 C         | 20010302         | NL19940001438      | 19940902         |
| NL9401438 A        | 19960401         | NL19940001438      | 19940902         |
| WO9607316 A1       | 19960314         | WO1995NZ00080      | 19950831         |
| ZA9507536 A        | 19961004         | ZA19950007536      | 19950907         |

**Priority:**

NL19940001438 19940902 NL19949401438 19940902 GB19950002674 19950211  
WO1995NZ00080 19950831

**Probable Assignee:** VELDMAN AND DIJKSTRA BV

**Assignee(s):** (std): GALLAGHER GROUP LTD ; GALLAGHER SECURITY UK LIMITED ; HARPER GRAHAM ; VELDMAN JOHN ; VELDMAN AND DIJKSTRA BV ; VELDMAN AND DIJKSTRA B V

**Assignee(s):** GALLAGHER SECURITY UK LTD ; GALLAGHER GROUP LIMITED

**Inventor(s):** (std): VELDMAN JOHN ; HARPER GRAHAM ; VELDMAN JAN ANNE ; JOHN VELDMAN ; GRAHAM HARPER ; JAN ANNE VELDMAN

**Designated states:** AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IT JP KE KG KP KR KZ LK LR LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SI SK SN SZ TD TG TJ TT UA UG US UZ VN

**Legal status (INPADOC)**

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| Patent         | Date recorded | Event group | Code | Event                               | Details                   |
|----------------|---------------|-------------|------|-------------------------------------|---------------------------|
| AU199534869 A1 | 19960327      | LSPB        | +    | published / reissued                |                           |
| EP0699386 A1   | 19960306      | LSPB        | +    | published / reissued                |                           |
| EP0699386 A1   | 19961106      | LSES        | +17P | REQUEST FOR EXAMINATION FILED       | EFFECTIVE DATE : 19960905 |
| EP0699386 A1   | 19961120      | LSES        | +17Q | FIRST EXAMINATION REPORT DESPATCHED | EFFECTIVE DATE : 19961009 |
| EP0699386 A1   | 19990623      | LSDW        | -18D | APPLICATION DEEMED TO BE            | EFFECTIVE DATE :          |

|              |          |      |      |                                                 |                                                      |
|--------------|----------|------|------|-------------------------------------------------|------------------------------------------------------|
| WITHDRAWN    |          |      |      | 19981215                                        |                                                      |
| NL193925 B   | 20001101 | LSPB | +    | published / reissued                            |                                                      |
| NL193925 B   | 20140902 | PEXP |      | Calculated Patent Term Expiry                   |                                                      |
| NL193925 C   | 20010302 | LSGT | +    | granted / extensions (spc, cpc, pte)            |                                                      |
| NL193925 C   | 20060601 | LSLE | -V1  | LAPSED BECAUSE OF NON-PAYMENT OF THE ANNUAL FEE | EFFECTIVE DATE : 20060401                            |
| NL193925 C   | 20140902 | PEXP |      | Calculated Patent Term Expiry                   |                                                      |
| NL9401438 A  | 19960401 | LSPB | +    | published / reissued                            |                                                      |
| WO9607316 A1 | 19960314 | LSPB | +    | published / reissued                            |                                                      |
| WO9607316 A1 | 19970619 | LSWD | REG  | REFERENCE TO NATIONAL CODE                      | REF COUNTRY CODE : DE<br>REF LEGAL EVENT CODE : 8642 |
| WO9607316 A1 | 19971210 | LSNE | -122 | EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE | REF COUNTRY CODE : WO                                |
| WO9607316 A1 | 19980502 | LSNE | NENP | NON-ENTRY INTO THE NATIONAL PHASE IN:           | REF COUNTRY CODE : CA                                |
| ZA9507536 A  | 19961004 | LSGT | +    | granted / extensions (spc, cpc, pte)            |                                                      |
| ZA9507536 A  | 20150906 | PEXP |      | Calculated Patent Term Expiry                   |                                                      |



**Title:** ELECTRIC **INSULATOR** MOUNTING CLAMP

**Abstract:** (Claim 1) 1. An **insulator** mounting clamp comprising a plate for disposition at one side of a supporting post so as to have a side facing said post, said plate having at least two side edges at opposite sides of same with a threaded opening between them, two arm members which are in the form of sidewise open substantially flat-plane hook members extending outward from said side edges in substantially parallel planes at substantially right angles to the plane of said plate and adapted to be hooked sidewise onto a supporting post, both of said hook members being out-wardly disposed at the post-facing side of said plate, said hook members each comprising a portion integral with said plate and projecting outward from same in varying amounts with the maximum being from the same end of said post-facing side thereof, said post having a portion facing said plate and a portion facing away from said plate, a second portion integral with and projecting laterally from the outer end of each of said first arm portions and in the respective planes of each of same, said second portion of each of the first two portions of the hook members being substantially parallel to each other and disposed in opposed and substantially equally spaced apart relation with said post-facing side of said plate and each having a pair of symmetrically located post-engaging teeth projecting toward said plate to engage the side portion of the post which faces away from said plate, and a combined clamping and **insulator**-carrying screw threaded through and threadedly engaging the aforesaid opening of said plate for end contact with the post on the side of same faced by said plate, said opening in said plate being so located as to position said screw substantially centrally between the two substantially parallel planes in which said hook-ended arm members are disposed, said opening being also so located and centered with respect to the aforesaid pairs of teeth as to prohibit said screw from having a tendency to cant said plate about any of said teeth as said screw is tightened to clamp the post between said teeth and screw.

**Classifications:**

**International (IPC 8-9):** H01B17/14 (Advanced/Invention);

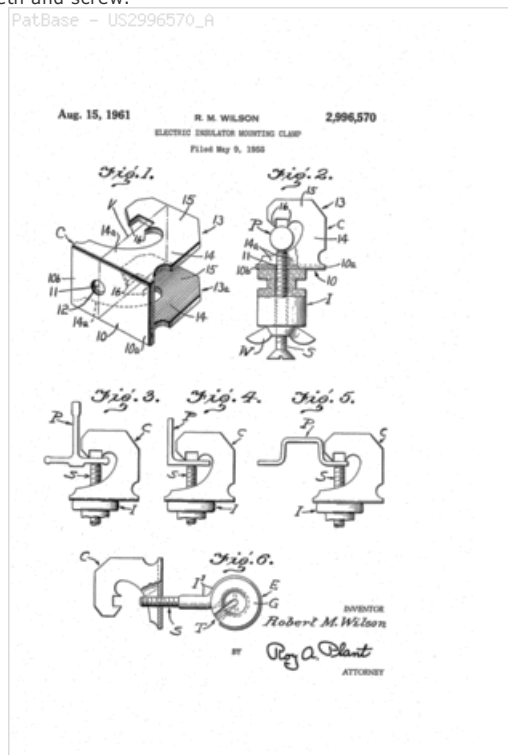
H01B17/14 (Core/Invention)

**CPC:** Y10S248/911 H01B17/145 Y10T24/44265

**European:** H01B17/14B

**US:** 174/163F 24/486 248/228.6 248/72 248/911

PatBase - US2996570\_A



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2996570 A        | 19610815         | US19580734361      | 19580509         |

**Priority:**

US19580734361 19580509

**Probable Assignee:**

DARE PRODUCTS INC

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

DARE PRODUCTS INC

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

WILSON ROBERT M

**Legal status (INPADOC)**

View legal status timeline

| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US2996570 A | 19610815      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

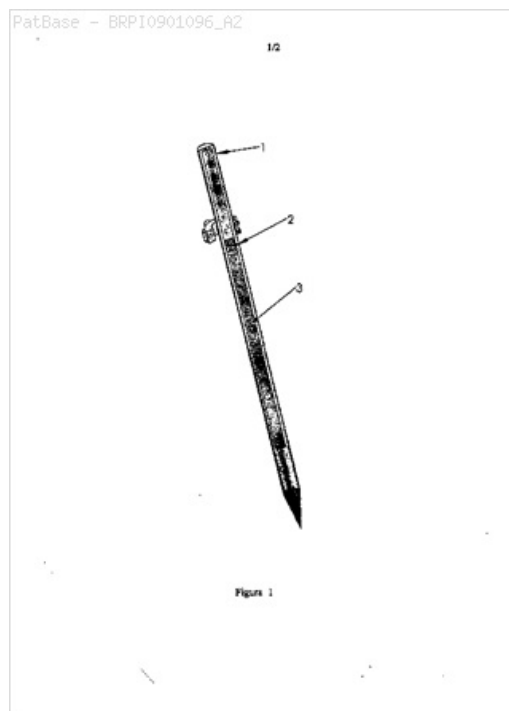
**Title:** poste multiuso Multipurpose post (Machine translation)

**Abstract:** Source: BRPI0901096A [PT] POSTE MULTIUSO. Podendo ser gerada nos mais diversos materiais e tecnicas de obtencao com o objetivo de gerar uma poste com aplicacoes multiplas, podendo ser usado como poste de sustentacao para cerca eletrica como tambem para estaqueamento de sustentacao de algumas culturas e ainda com variacoes de diametros e comprimentos podendo ser aplicado no posteamento de iluminacao, sinalizacao e comunicacao visual, possuindo uma construcao externa em material plastico, o que naturalmente e um isolante eletrico e material de facial higienizacao e desinfeccao alem de resistente a oxidacao e corrosao, possuindo um nucleo mecanico de sustentacao somado a uma solucao quimica de fixacao e expansao que gera uma rigidez ao conjunto montado, sua regiao de ponteira conica viabiliza sua introducao nos mais diferentes terrenos bem como o dispositivo para fixacao ou transpasse do condutor eletrico, quando usado, que podera ser regulado em alturas variadas -

**Machine translation:** MULTI POLE. Can be generated in various materials and techniques for attaining the goal of generating a pole with multiple applications and can be used as a support pole for **electric fence** as well as to support the piling some cultures and with variations of diameters and lengths can be applied in posteamento of lighting, signage and visual communication, having a foreign construction material in plastic, which of course is an electrical **insulator** material and facial cleaning and disinfection in addition to oxidation and corrosion resistant, has a core underlying machine plus a chemical solution that causes expansion and fixation rigidity to a gear assembly, its region of conical tip enables its introduction in many different lands and the horn fixation device for electric or place the driver, when used, which would be set to different heights -

**Classifications:**

**International (IPC 8-9):** E04H12/00 E04H12/08 (Advanced/Invention);  
E04H12/00 (Core/Invention)



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| BRPI0901096 A2     | 20100420         | BR2009PI01096      | 20090310         |

**Priority:**

BR2009PI01096 20090310

**Probable Assignee:**

BOLSI SERGIO

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

BOLSI SERGIO

**Assignee(s):**

SERGIO BOLSI

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

BOLSI SERGIO

**Inventor(s):**

SERGIO BOLSI

**Legal status (INPADOC)**

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| Patent         | Date recorded | Event group | Code  | Event                                                                                | Details |
|----------------|---------------|-------------|-------|--------------------------------------------------------------------------------------|---------|
| BRPI0901096 A2 | 20100420      | LSPB        | +     | published / reissued                                                                 |         |
| BRPI0901096 A2 | 20100420      | LSPB        | B03B  | PUBLICATION OF AN APPLICATION: ANTICIPATED PUBLICATION                               |         |
| BRPI0901096 A2 | 20120626      | LSRV        | -B11A | DISMISSAL ACC. ART.33 OF IPL - EXAMINATION NOT REQUESTED WITHIN 36 MONTHS OF FILING  |         |
| BRPI0901096 A2 | 20181218      | LSRV        | -B11Y | DEFINITIVE DISMISSAL ACC. ARTICLE 33 OF IPL - EXTENSION OF TIME LIMIT FOR REQUEST OF |         |



**Title:** Horse trailer and corral structure

**Abstract:** A horse trailer and corral structure which includes a horse trailer having opposed side walls and having doors at the rear side thereof. An electric power source is mounted on the trailer, as are brackets which support a plurality of **insulator**-carrying fence posts. The fence posts are demountably supported in the brackets on the trailer during transport of the trailer. A cable reel is mounted on the trailer and has an elongated electrical conductor reeled thereon for use in cooperation with the fence posts when a corral is to be set up using the fence posts.

**Classifications:**

**International (IPC 8-9):** A01K3/00 B60P3/04 (Advanced/Invention);

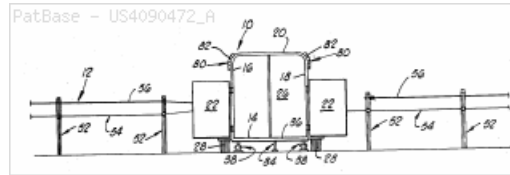
A01K3/00 B60P3/00 (Core/Invention)

**International (IPC 1-7):** A01K3/00

**CPC:** A01K3/005 B60P3/04

**European:** A01K3/00C B60P3/04

**US:** 119/20 119/502 256/10 256/41



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US4090472 A        | 19780523         | US19760737408      | 19761101         |

**Priority:**

US19760737408 19761101

**Probable Assignee:**

YORK LEON V

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

YORK LEON V

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

YORK LEON V

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US4090472 A | 19780523      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** Method and apparatus to meter forage

**Abstract:** A method and apparatus to define a forage feeding area in a field whereby animals are restrained from walking on forage in the feeding area. Inclined posts are adjustably secured to sleds and electrically charged wire is stretched between the posts forming a feeding area defined on one side by a plane extending downwardly from the uppermost strand of wire. The sleds are moveable across a field of forage to control feeding areas accessible to animals.

**Classifications:**

**International (IPC 8-9):** A01K3/00 A01K5/00  
A01K5/02 (Advanced/Invention);

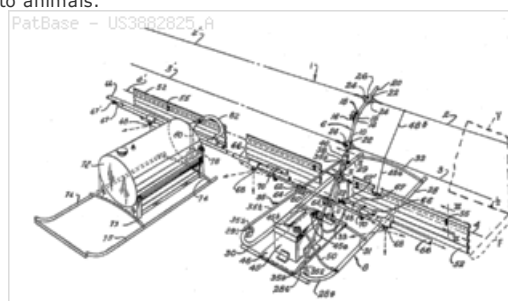
A01K3/00 A01K5/00 (Core/Invention)

**International (IPC 1-7):** A01K3/00

**CPC:** A01K3/005 A01K5/00 A01K5/0216

**European:** A01K3/00C A01K5/00 A01K5/02C

**US:** 119/20 119/502 256/21



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US3882825 A        | 19750513         | US19730367652      | 19730606         |

**Priority:**

US19730367652 19730606

**Probable Assignee:**

MCFADDEN VERGIL

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

MCFADDEN VERGIL

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

MCFADDEN VERGIL

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US3882825 A | 19750513      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** HIGH VOLTAGE SECURITY GRILLE

**Abstract:** A security grille for a glazed window or door comprises a first set of grille elements (2, 4, 6, 8) and a second set of grille elements (3, 5, 7, 9). The first and second sets of grille elements are electrically insulated from each other and electrically energised relative to each other. Conveniently, the first set of grille elements are at high voltage and the second set of grille elements are at earth potential. The first and second sets of grille elements are most preferably interdigitated such that alternate grille elements are at differing potentials. If an intruder breaks the glass of the door or window he contacts adjacent grille elements and receives a painful, but non-lethal, electric shock. One set can be electrically connected to a top rail and the other set can be electrically connected to a bottom rail. Insulating sockets 21 can be provided for extra strength.

**Classifications:**

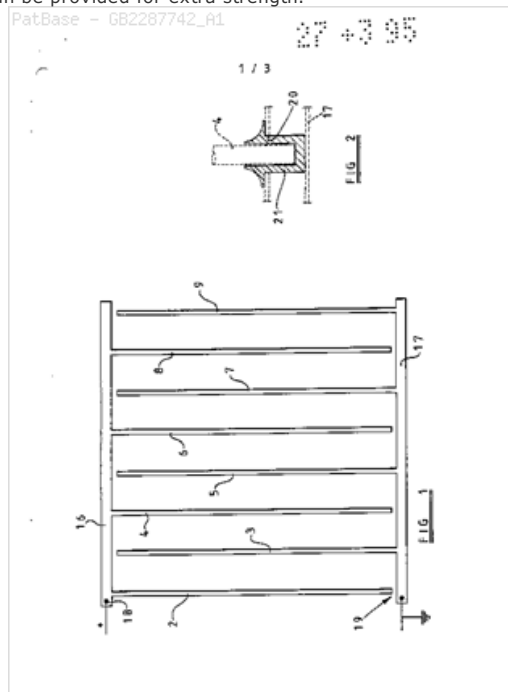
**International (IPC 8-9):** E06B9/01 (Advanced/Invention);

E06B9/01 (Core/Invention)

**International (IPC 1-7):** E06B9/01

**CPC:** E06B9/01

**European:** E06B9/01



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB2287742 A1       | 19950927         | GB19950005683      | 19950321         |
| GB2287742 B2       | 19970402         | GB19950005683      | 19950321         |
| GB9405654 A0       | 19940511         | GB19940005654      | 19940322         |
| GB9505683 A0       | 19950510         | GB19950005683      | 19950321         |

**Priority:**

GB19940005654 19940322

**Probable Assignee:** RUTLAND ELECTRIC FENCING COMPA

**Assignee(s):** (std): RUTLAND ELECTRIC FENCING COMPA

**Assignee(s):** RUTLAND ELECTRIC FENCING COMPANY LIMITED

**Inventor(s):** (std): DICKINSON LESLIE

**Inventor(s):** LESLIE DICKINSON

**Legal status (INPADOC)**

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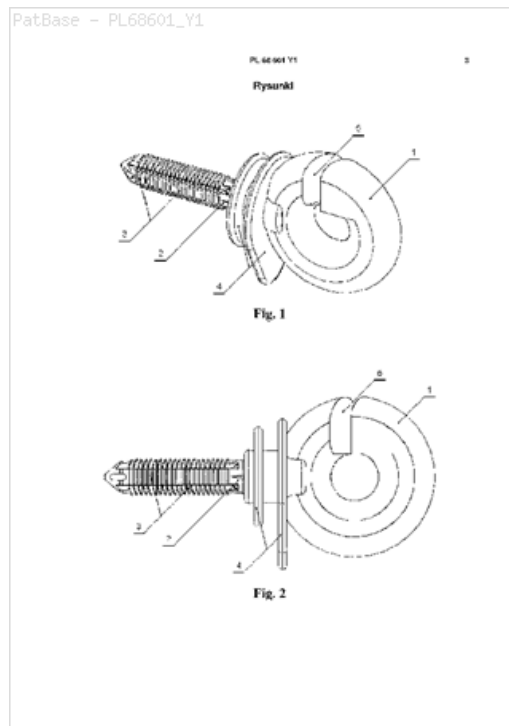
| Patent       | Date recorded | Event group | Code  | Event                                            | Details                   |
|--------------|---------------|-------------|-------|--------------------------------------------------|---------------------------|
| GB2287742 A1 | 19950927      | LSPB        | +     | published / reissued                             |                           |
| GB2287742 B2 | 19970402      | LSGT        | +     | granted / extensions (spc, cpc, pte)             |                           |
| GB2287742 B2 | 20131127      | LSLE        | -PCNP | PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE | EFFECTIVE DATE : 20130321 |
| GB2287742 B2 | 20150321      | PEXP        |       | Calculated Patent Term Expiry                    |                           |

**Title:** **INSULATOR**, ESPECIALLY FOR ELECTRIFIED FENCES

**Abstract:** Source: PL122664U [PL] Przedmiotem wzoru użytkowego jest izolator, zwłaszcza do przewodów ogrodzeń pod napięciem elektrycznym, charakteryzujący się tym, że zaczep (1) jest połączony z samokotwiącym trzpieniem (2). **Machine translation:** Subject of a utility model is an **insulator**, especially for wires under applied voltage **electric fencing**, characterized in that the hook (1) is with connecting samokotwiącym pin (2).

**Classifications:**

**International (IPC 8-9):** A01K3/00 H01B17/00 (Advanced/Invention)



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| PL122664 U1        | 20140609         | PL20130122664U     | 20131218         |
| PL68601 Y1         | 20161031         | PL20130122664U     | 20131218         |

**Priority:**

PL20130122664U 20131218

**Probable Assignee:** HORIZONT ROLOS SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA

**Assignee(s):** (std): HORIZONT ROLOS SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA

**Inventor(s):** (std): ZOCHOWSKI DOMINIK

**Legal status (INPADOC)**

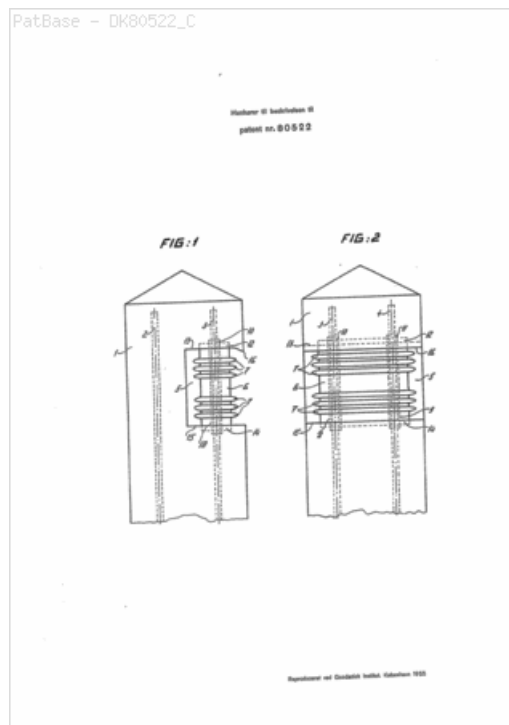
[View legal status timeline](#)

| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| PL122664 U1 | 20140609      | LSPB        | +    | published / reissued                 |         |
| PL68601 Y1  | 20161031      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** Pæl med en isolator til fastgoerelse af en elektrisk ledningstråd. Pole with isolator to the attachment of an electric wire traditional. (Machine translation)

**Abstract:** Source: DK80522C [DA] [Source: Claim 1] 1. Pæl med en isolator til fastgoerelse af en elektrisk ledningstråd, især bestemt til en elek- trisk hegnstråd, kendetegnet ved, at pælen har en sidefordybning, hvori isolatoren er an- bragt med sin længderetning i pælens længderet- ning. **Machine translation:** [Source: Claim 1] 1. Pole with isolator to the attachment of an electric wire traditional, especially intended for an elec- trisk fences traditional, characterized by the fact that the pole has a side recess in which the isolator is an- produced by its longitudinal direction in pælens længderet-.

#### Classifications:



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DK80522 C          | 19560213         | DK19530001589      | 19530513         |

#### Priority:

19520517

#### Probable Assignee:

KEMPF ANDRIES JOHAN GERRIT

#### Assignee(s): (std):

KEMPF ANDRIES JOHAN GERRIT

#### Assignee(s):

ANDRIES JOHAN GERRIT KEMPF

#### Inventor(s): (std):

KEMPF ANDRIES JOHAN GERRIT

#### Inventor(s):

ANDRIES JOHAN GERRIT KEMPF

#### Legal status (INPADOC)

[View legal status timeline](#)

| Patent    | Date recorded | Event group | Code | Event                                | Details |
|-----------|---------------|-------------|------|--------------------------------------|---------|
| DK80522 C | 19560213      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| DK80522 C | 19690513      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** CONNECTING WIRE FENCE TO POSTS

**Abstract:** Electric and non-**electric fence** is established by a plastics support on which the electric lines are supported. Holes in the support accommodate metal wire or rigid rods, or the gudgeons on which the lines are stowed. Preferably the support is of PVC and its colour does not change in the open air, it is non-corrosive.

**Classifications:**

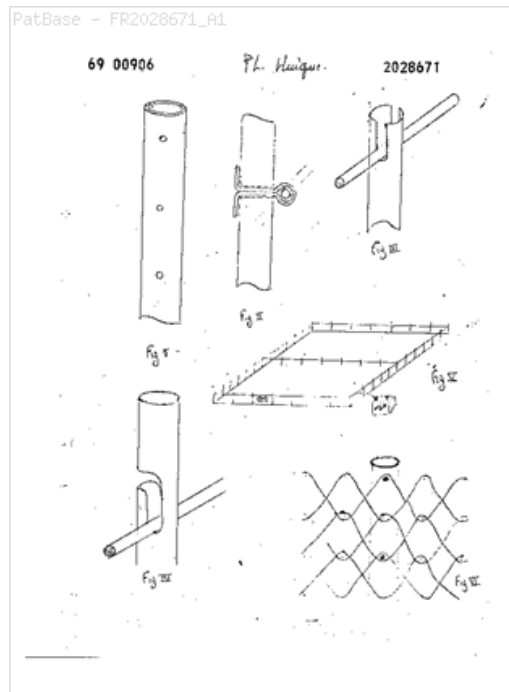
**International (IPC 8-9):** H01B17/14 (Advanced/Invention);

H01B17/14 (Core/Invention)

**International (IPC 1-7):** A01K3/00 E04H17/00 H01B17/24 H02G1/00

**CPC:** H01B17/145

**European:** H01B17/14B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR2028671 A1       | 19701016         | FR19690000906      | 19690120         |
| FR2028671 A5       | 19701016         | FR19690000906      | 19690120         |

**Priority:**

FR19690000906 19690120

**Probable Assignee:**

DALLE BERNARD

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

DALLE BERNARD

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| FR2028671 A1 | 19701016      | LSPB        | +    | published / reissued                 |         |
| FR2028671 A1 | 19720331      | LSLE        | -ST  | NOTIFICATION OF LAPSE                |         |
| FR2028671 A5 | 19701016      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** A POST MOUNTING SYSTEM AND APPARATUS

**Abstract:** An apparatus (10, 100) is disclosed for connection to a flange (52, 152) of a post. The flange comprises elongated apertures/holes (54, 154) therethrough. The apparatus comprises a body (12 or 112) having projections (14, 16 or 114, 116) that extend from the body to a distal end. A lug (18, 118) projecting laterally from a distal end of each projection has a profile configured such that it is able to nest in the elongated aperture of the flange when the apparatus is connected to the flange. The apparatus also comprises two locator elements (30, 32 or 130, 132) that extend out from the body separately to the projections. The elements are spaced so as to receive the post flange therebetween, whereby the elements locate on opposite sides of the flange when the apparatus is connected to the flange.

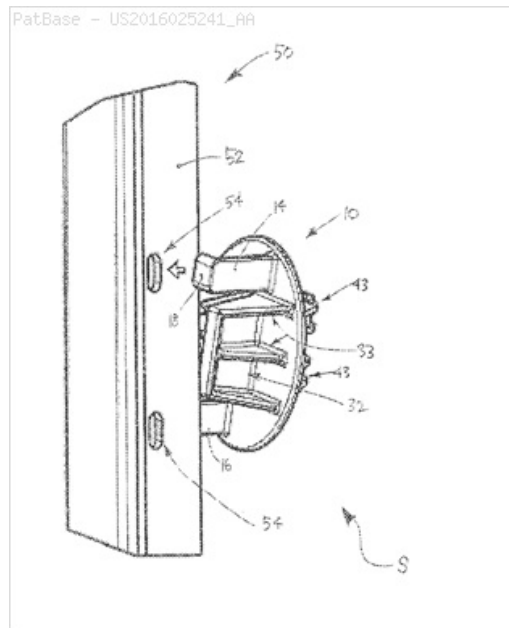
**Classifications:**

**International (IPC 8-9):** A01G17/04 A01K3/00 E01F9/03 E01F9/669 E04H17/00 E04H17/02 E04H17/08 E04H17/10 E04H17/12 E04H17/24 F16L3/06 H01B17/16 (Advanced/Invention);

A01G17/06 E04H17/14 H01B17/14 (Advanced/Non-invention)

**CPC:** A01G17/06 A01K3/005 E04H17/10 E04H17/24 H01B17/145 Y02A40/294 E04H2017/1447

**US:** 248/218.4 248/65



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2013204291 AA    | 20140925         | AU20130204291      | 20130412         |
| AU2013204291 BB    | 20150430         | AU20130204291      | 20130412         |
| CA2901634 AA       | 20150818         | CA20142901634      | 20140224         |
| CA2901634 C        | 20161115         | CA20142901634      | 20140224         |
| NZ710669 A         | 20171124         | NZ20140710669      | 20140224         |
| US2016025241 AA    | 20160128         | US20140773483      | 20140224         |
| US10428554 BB      | 20191001         | US20140773483      | 20140224         |
| WO14134660 A1      | 20140912         | WO2014AU00168      | 20140224         |

**Priority:**

AU20130900790 20130307 AU20130204291 20130412 WO2014AU00168 20140224

**Probable Assignee:** ONESTEEL WIRE PTY LTD

**Assignee(s):** (std): GALLAGHER GROUP LTD ; ONESTEEL WIRE PTY LTD

**Assignee(s):** WADE ROBERT ; JOHNS GRAHAM ; O TOOLE LAWRENCE ; FABIEN ROBERT

**Inventor(s):** (std): JOHNS GRAHAM ; O TOOLE LAWRENCE ; WADE ROBERT ; FABIEN ROBERT

**Agent(s):** GRIFFITH HACK; BORDEN LADNER GERVAIS LLP; MICHAEL BEST AND FRIEDRICH LLP

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

**Legal status (INPADOC)**

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| Patent          | Date recorded | Event group | Code | Event                                | Details |
|-----------------|---------------|-------------|------|--------------------------------------|---------|
| AU2013204291 AA | 20140925      | LSPB        | +    | published / reissued                 |         |
| AU2013204291 BB | 20150430      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| AU2013204291 BB | 20150827      | LSGT        | +FGA | LETTERS PATENT SEALED OR GRANTED     |         |

| (STANDARD PATENT) |          |       |        |                                      |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|----------|-------|--------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AU2013204291 BB   | 20180705 | LSAS  | PC     | ASSIGNMENT REGISTERED                | PARTYTYPE : OWNER<br>OWNER : ONESTEEL WIRE PTY LIMITED<br>OLDPARTY : FORMER OWNER(S):<br>ONESTEEL WIRE PTY LIMITED; GALLAGHER GROUP LIMITED                                                                                                                                                                                                                                  |
| AU2013204291 BB   | 20330412 | PEXP  |        | Calculated Patent Term Expiry        |                                                                                                                                                                                                                                                                                                                                                                              |
| CA2901634 AA      | 20150818 | LSPB  | +      | published / reissued                 |                                                                                                                                                                                                                                                                                                                                                                              |
| CA2901634 AA      | 20151030 | LSSES | +EEER  | EXAMINATION REQUEST                  | EFFECTIVE DATE : 20151020                                                                                                                                                                                                                                                                                                                                                    |
| CA2901634 C       | 20161115 | LSGT  | +      | granted / extensions (spc, cpc, pte) |                                                                                                                                                                                                                                                                                                                                                                              |
| CA2901634 C       | 20340224 | PEXP  |        | Calculated Patent Term Expiry        |                                                                                                                                                                                                                                                                                                                                                                              |
| NZ710669 A        | 20171124 | LSPB  | +      | published / reissued                 |                                                                                                                                                                                                                                                                                                                                                                              |
| NZ710669 A        | 20180323 | LSGT  | +PSEA  | PATENT SEALED                        |                                                                                                                                                                                                                                                                                                                                                                              |
| NZ710669 A        | 20180629 | LSAS  | ASS    | CHANGE OF OWNERSHIP                  | PARTYTYPE : OWNER<br>OWNER : ONESTEEL WIRE PTY LTD, NZ<br>EFFECTIVE DATE : 20180621                                                                                                                                                                                                                                                                                          |
| NZ710669 A        | 20190125 | LSFE  | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)      | TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 24 FEB 2020 BY GH SYD PAT<br>EFFECTIVE DATE : 20190124                                                                                                                                                                                                                                                                                |
| NZ710669 A        | 20200131 | LSFE  | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)      | TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 24 FEB 2021 BY GH MELB TM<br>EFFECTIVE DATE : 20200124                                                                                                                                                                                                                                                                                |
| US10428554 BB     | 20191001 | LSGT  | +      | granted / extensions (spc, cpc, pte) |                                                                                                                                                                                                                                                                                                                                                                              |
| US10428554 BB     | 20340224 | PEXP  |        | Calculated Patent Term Expiry        |                                                                                                                                                                                                                                                                                                                                                                              |
| US2016025241 AA   | 20160128 | LSPB  | +      | published / reissued                 |                                                                                                                                                                                                                                                                                                                                                                              |
| US2016025241 AA   | 20150909 | LSAS  | AS     | ASSIGNMENT                           | PARTYTYPE : OWNER<br>OWNER : GALLAGHER GROUP LIMITED, AUSTRALIA<br>OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:JOHNS, GRAHAM; WADE, ROBERT; FABIEN, ROBERT; AND OTHERS; SIGNING DATES FROM 20150727 TO 20150728; REEL/FRAME:036519/0148                                                                                                                           |
| US2016025241 AA   | 20150909 | LSAS  | AS     | ASSIGNMENT                           | PARTYTYPE : OWNER<br>OWNER : ONESTEEL WIRE PTY LIMITED, AUSTRALIA<br>OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:JOHNS, GRAHAM; WADE, ROBERT; FABIEN, ROBERT; AND OTHERS; SIGNING DATES FROM 20150727 TO 20150728; REEL/FRAME:036519/0148                                                                                                                         |
| US2016025241 AA   | 20151006 | LSAS  | AS     | ASSIGNMENT                           | PARTYTYPE : OWNER<br>OWNER : GALLAGHER GROUP LIMITED, NEW ZEALAND<br>OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE SECOND ASSIGNEE ADDRESS PREVIOUSLY RECORDED AT REEL: 036519 FRAME: 0148. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNORS:JOHNS, GRAHAM; WADE, ROBERT; FABIEN, ROBERT; AND OTHERS; SIGNING DATES FROM 20150727 TO 20150728; REEL/FRAME:037029/0904 |
| US2016025241 AA   | 20151006 | LSAS  | AS     | ASSIGNMENT                           | PARTYTYPE : OWNER<br>OWNER : ONESTEEL WIRE PTY LIMITED, AUSTRALIA<br>OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE SECOND ASSIGNEE ADDRESS PREVIOUSLY RECORDED AT REEL: 036519 FRAME: 0148. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT;                                                                                                                                    |

|                 |          |      |       |                                                                                                |                                                                                                                                                                                                         |
|-----------------|----------|------|-------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |          |      |       |                                                                                                | ASSIGNORS:JOHNS, GRAHAM; WADE, ROBERT; FABIEN, ROBERT; AND OTHERS; SIGNING DATES FROM 20150727 TO 20150728; REEL/FRAME:037029/0904                                                                      |
| US2016025241 AA | 20170227 | LSAS | AS    | ASSIGNMENT                                                                                     | PARTYTYPE : OWNER<br>OWNER : ONESTEEL WIRE PTY LIMITED, AUSTRALIA<br>OLDPARTY : ADDRESS CHANGE;<br>ASSIGNOR:ONESTEEL WIRE PTY LIMITED;<br>REEL/FRAME:041825/0452<br>EFFECTIVE DATE : 20170221           |
| US2016025241 AA | 20170307 | LSES | NFA1  | Non Final<br>Action Mailed                                                                     |                                                                                                                                                                                                         |
| US2016025241 AA | 20180404 | LSES | NFA1  | Non Final<br>Action Mailed                                                                     |                                                                                                                                                                                                         |
| US2016025241 AA | 20180705 | LSAS | AS    | ASSIGNMENT                                                                                     | PARTYTYPE : OWNER<br>OWNER : ONESTEEL WIRE PTY LIMITED, AUSTRALIA<br>OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GALLAGHER GROUP LIMITED; REEL/FRAME:046271/0768<br>EFFECTIVE DATE : 20180608 |
| US2016025241 AA | 20190709 | LSES | +NAM1 | Notice of<br>Allowance<br>Mailed --<br>Application<br>Received in<br>Office of<br>Publications |                                                                                                                                                                                                         |
| US2016025241 AA | 20190822 | LSFE | +PPV1 | Publications --<br>Issue Fee<br>Payment<br>Verified                                            |                                                                                                                                                                                                         |
| US2016025241 AA | 20190911 | LSGT | PAT1  | Patented Case                                                                                  |                                                                                                                                                                                                         |
| US2016025241 AA | 20190911 | LSGT | STCF  | INFORMATION<br>ON STATUS:<br>PATENT<br>GRANT                                                   | TEXT : PATENTED CASE                                                                                                                                                                                    |
| WO14134660 A1   | 20140912 | LSPB | +     | published /<br>reissued                                                                        |                                                                                                                                                                                                         |
| WO14134660 A1   | 20150818 | LSNP | ENP   | ENTRY INTO<br>THE NATIONAL<br>PHASE                                                            | REF DOCUMENT NUMBER : 2901634<br>COUNTRY OF REF DOCUMENT : CA                                                                                                                                           |
| WO14134660 A1   | 20150907 | LSNE | NENP  | NON-ENTRY<br>INTO THE<br>NATIONAL<br>PHASE IN:                                                 | REF COUNTRY CODE : DE                                                                                                                                                                                   |
| WO14134660 A1   | 20150908 | LSNP | +WWE  | WIPO<br>INFORMATION:<br>ENTRY INTO<br>NATIONAL<br>PHASE                                        | REF DOCUMENT NUMBER : 14773483<br>COUNTRY OF REF DOCUMENT : US                                                                                                                                          |
| WO14134660 A1   | 20160330 | LSNE | -122  | EP: PCT<br>APPLICATION<br>NON-ENTRY IN<br>EUROPEAN<br>PHASE                                    | REF DOCUMENT NUMBER : 14759675<br>COUNTRY OF REF DOCUMENT : EP<br>KIND CODE OF REF DOCUMENT : A1<br>DESIGNATED STATE(S) :                                                                               |

**Abstract:** Source: DE8909269U1 [DE] (Claim 1) 1. Zusatzvorrichtung fuer einen Zaunpfahl fuer elektrische Weidezaeune, dadurch gekennzeichnet, dass sie aus einem am Oberende des Zaunpfahles (8) herkoemmlicher Laenge loesbar befestigbaren Verlaengerungspfahl (1) besteht, der mit wenigstens einem Isolator (3) fuer eine stromfuehrende Einzaeunungsleitung versehen oder ausruestbar ist.

**Machine translation:** (Claim 1) 1 Additional device for for a fence post electric Weidezaeune, characterized in that it made one at the upper end of the fence post (8) conventional length releasably secured Verlaengerungspfahl (1) is that provided with at least one **insulator** (3) for one stromfuehrende Einzaeunungsleitung or equipped is.

**Classifications:**

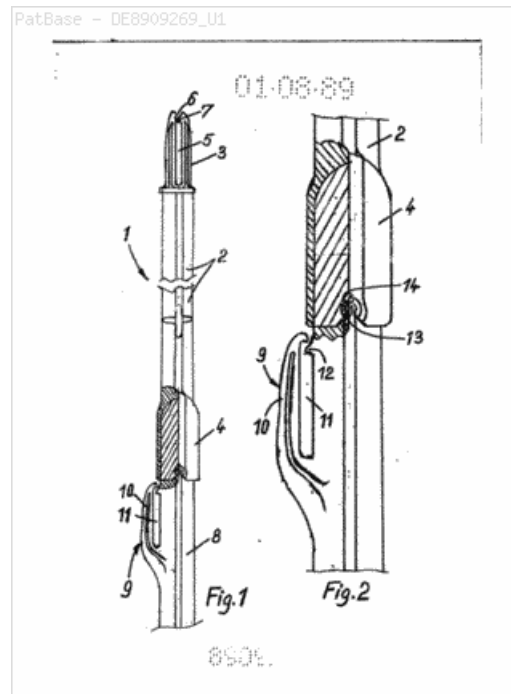
**International (IPC 8-9):** A01K3/00 H05C1/02 (Advanced/Invention);

A01K3/00 H05C1/00 (Core/Invention)

**International (IPC 1-7):** A01K3/00 H05C1/02

**CPC:** A01K3/005 H05C1/02

**European:** A01K3/00C H05C1/02



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE8909269 U1       | 19891102         | DE19890009269U     | 19890801         |

**Priority:**

DE19890009269U 19890801

**Probable Assignee:** EIDER LANDGERAETE ING HEINRICH JUERGENS 2240 HEIDE DE KG

**Assignee(s):** EIDER LANDGERAETE ING HEINRICH JUERGENS 2240 HEIDE DE KG ; EIDER LANDGERAETE KG ING HEINRICH JUERGENS 2240 HE ; EIDER LANDGERAETE KG ING HEINRICH JUERGENS 2240 HEIDE DE

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| DE8909269 U1 | 19891102      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| DE8909269 U1 | 19990801      | PEXP        |      | Calculated Patent Term Expiry        |         |

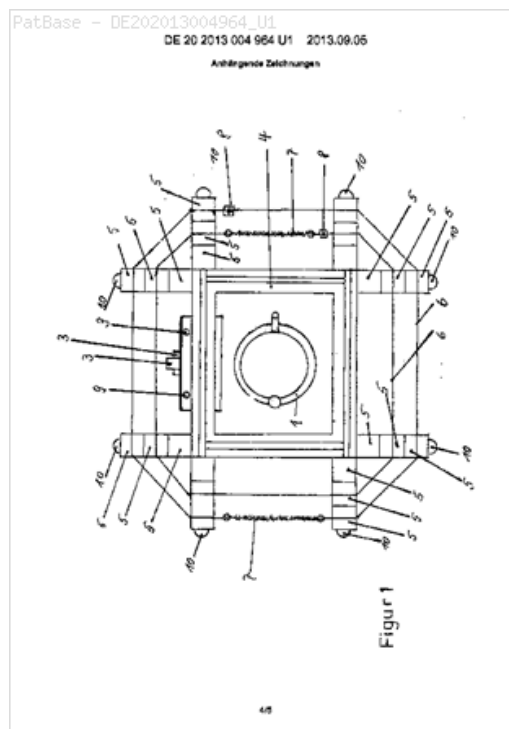
**Title:** ELEKTRISCHER MARDERABWEHRZAUN FÜR FALLROHR DER DACHRINNEN AN GEBÄUDEN MARTEN DEFENSE FOR **ELECTRIC FENCE** PIPE CASE OF GUTTERS on buildings (Machine translation)

**Abstract:** Source: DE202013004964U1 [DE] Drahtzaunmatten aus Gitterzaun verhindern, dass der Marder das Dach besteigt. Dies ist eine zusätzliche mechanische Absicherung bei Spannungsausfall, da Marder sich nicht auf gitterartigen Geweben bewegen. **Machine translation:** Prevent mats from fence wire fence that the raccoon climbs the roof. This is an additional mechanical protection in case of power failure, because martens Supervisory not move on grid-like tissues.

**Classifications:**

**International (IPC 8-9):** A01M29/24 (Advanced/Invention)

**CPC:** A01M29/24



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE202013004964 U1  | 20130905         | DE201320004964U    | 20130529         |

**Priority:**

DE201320004964U 20130529

**Probable Assignee:**

POLET HARTMUT

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

POLET HARTMUT

**Assignee(s):**

POLET

**Legal status (INPADOC)**

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| Patent            | Date recorded | Event group | Code  | Event                                | Details                   |
|-------------------|---------------|-------------|-------|--------------------------------------|---------------------------|
| DE202013004964 U1 | 20130905      | LSGT        | +     | granted / extensions (spc, cpc, pte) |                           |
| DE202013004964 U1 | 20130905      | LSGT        | R207  | UTILITY MODEL SPECIFICATION          | EFFECTIVE DATE : 20130905 |
| DE202013004964 U1 | 20161201      | LSLE        | -R156 | LAPSE OF IP RIGHT AFTER 3 YEARS      |                           |
| DE202013004964 U1 | 20230529      | PEXP        |       | Calculated Patent Term Expiry        |                           |

**Title:** Broadband **insulator** with quick-locking mechanism

**Abstract:** Source: DE29505725U1 [DE] (Claim 1) N. Schuller Auf der Alm 28 77743 Neuried Aktenzeichen 295 05 725.4 Breitbandisolator mit Schnellverschluss Schutzansprüche Schnellverschluss des Breitbandisolators der einen Buegel aufweist, dadurch gekennzeichnet, dass der Buegel mit Hilfe eines Schraubenziehers nach oben zum Oeffnen des Isolators bzw.

**Machine translation:** (Claim 1) N. Schuller On the Alm 28 77743 295 05 725.4 Neuried Aktenzeichen broadband isolator with quick Schutzansprüche quick broadband isolator has one of the ironing, characterized in that the bracket with a screwdriver up to the **insulator** or oeffnen

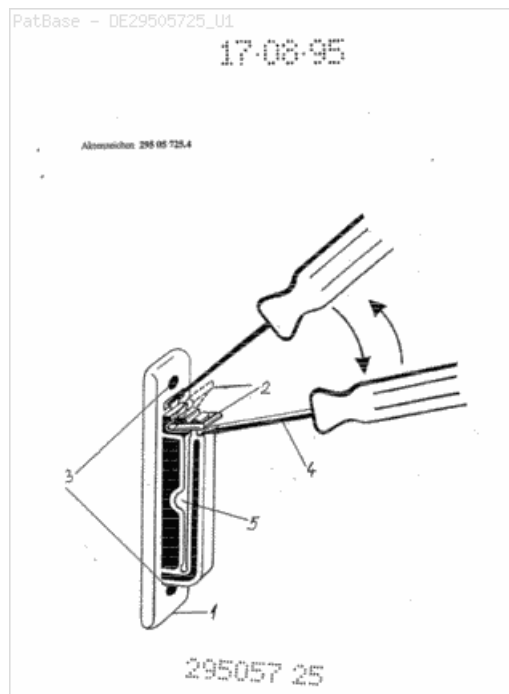
**Classifications:**

**International (IPC 8-9):** H01B17/14 (Advanced/Invention); H01B17/14 (Core/Invention)

**International (IPC 1-7):** H01B17/24

**CPC:** H01B17/145

**European:** H01B17/14B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE29505725 U1      | 19960314         | DE19952005725U     | 19950403         |

**Priority:**

DE19952005725U 19950403

**Probable Assignee:** SCHULLER NIKOLAUS

**Assignee(s): (std):** SCHULLER NIKOLAUS

**Assignee(s):** SCHULLER NIKOLAUS 77743 NEURIED DE

**Legal status (INPADOC)**

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| Patent        | Date recorded | Event group | Code  | Event                                                                             | Details                   |
|---------------|---------------|-------------|-------|-----------------------------------------------------------------------------------|---------------------------|
| DE29505725 U1 | 19960314      | LSGT        | +     | granted / extensions (spc, cpc, pte)                                              |                           |
| DE29505725 U1 | 19960314      | LSGT        | R207  | UTILITY MODEL SPECIFICATION                                                       | EFFECTIVE DATE : 19960314 |
| DE29505725 U1 | 19990401      | LSGT        | +R150 | UTILITY MODEL MAINTAINED AFTER PAYMENT OF FIRST MAINTENANCE FEE AFTER THREE YEARS | EFFECTIVE DATE : 19990125 |
| DE29505725 U1 | 20020627      | LSLE        | -R157 | LAPSE OF IP RIGHT AFTER 6 YEARS                                                   | EFFECTIVE DATE : 20020201 |
| DE29505725 U1 | 20050403      | PEXP        |       | Calculated Patent Term Expiry                                                     |                           |

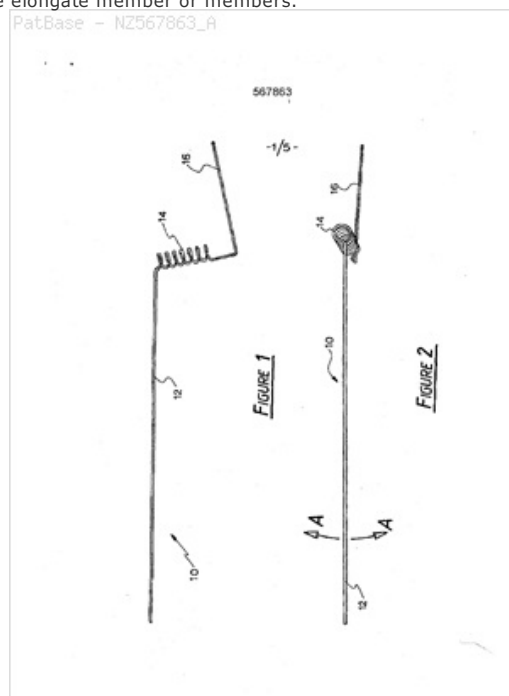
**Title:** Fence gate

**Abstract:** A fence gate for use in a gateway, the fence gate comprising one or more gate members that each have: an electrifiable elongate member that can extend at least partially across the gateway; a biasing member that supports the elongate member, biases the elongate member toward a neutral position, and allows the elongate member to be deflected from the neutral position; and a mount for mounting the biasing member relative to a fence post; wherein, when the neutral position of the, or each, gate member is in the neutral position, the gateway is closed by the elongate member or members.

**Classifications:**

**International (IPC 8-9):** A01K3/00 E04H17/00 E06B11/00 E06B11/02 E06B11/04 (Advanced/Invention);

A01K3/00 E04H17/00 E06B11/00 (Core/Invention)



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2008100268 AD    | 20080508         | AU20080100268      | 20080326         |
| NZ567863 A         | 20091127         | NZ20080567863      | 20080501         |

**Priority:**

AU20080100268 20080326

**Probable Assignee:** FISHER DAIRIES PTY LTD  
**Assignee(s):** (std): FISHER DAIRIES PTY LTD  
**Inventor(s):** (std): FISHER ANDREW  
**Inventor(s):** ANDREW FISHER  
**Agent(s):** GRIFFITH HACK

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent          | Date recorded | Event group | Code   | Event                                                                            | Details                                   |
|-----------------|---------------|-------------|--------|----------------------------------------------------------------------------------|-------------------------------------------|
| AU2008100268 AD | 20080508      | LSGT        | +      | granted / extensions (spc, cpc, pte)                                             |                                           |
| AU2008100268 AD | 20080508      | LSGT        | +FGI   | LETTERS PATENT SEALED OR GRANTED (INNOVATION PATENT)                             |                                           |
| AU2008100268 AD | 20160414      | LSLE        | -MK22  | PATENT CEASED SECTION 143A(D), OR EXPIRED - NON PAYMENT OF RENEWAL FEE OR EXPIRY |                                           |
| AU2008100268 AD | 20280326      | PEXP        |        | Calculated Patent Term Expiry                                                    |                                           |
| NZ567863 A      | 20091127      | LSPB        | +      | published / reissued                                                             |                                           |
| NZ567863 A      | 20100326      | LSGT        | +PSEA  | PATENT SEALED                                                                    |                                           |
| NZ567863 A      | 20120427      | LSFE        | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)                                                  |                                           |
| NZ567863 A      | 20150327      | LSFE        | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)                                                  | TEXT : PATENT RENEWED FOR 1 YEAR UNTIL 01 |

|            |          |      |        |                                    |  |                                                                                                              |
|------------|----------|------|--------|------------------------------------|--|--------------------------------------------------------------------------------------------------------------|
|            |          |      |        |                                    |  | MAY 2016 BY CPA<br>GLOBAL<br>EFFECTIVE DATE :<br>20150320                                                    |
| NZ567863 A | 20160331 | LSFE | +RENEW | RENEWAL (RENEWAL FEES<br>ACCEPTED) |  | TEXT : PATENT RENEWED<br>FOR 1 YEAR UNTIL 01<br>MAY 2017 BY CPA<br>GLOBAL<br>EFFECTIVE DATE :<br>20160330    |
| NZ567863 A | 20170331 | LSFE | +RENEW | RENEWAL (RENEWAL FEES<br>ACCEPTED) |  | TEXT : PATENT RENEWED<br>FOR 1 YEAR UNTIL 01<br>MAY 2018 BY GRIFFITH<br>HACK<br>EFFECTIVE DATE :<br>20170302 |
| NZ567863 A | 20180427 | LSFE | +RENEW | RENEWAL (RENEWAL FEES<br>ACCEPTED) |  | TEXT : PATENT RENEWED<br>FOR 1 YEAR UNTIL 01<br>MAY 2019 BY GRIFFITH<br>HACK<br>EFFECTIVE DATE :<br>20180424 |
| NZ567863 A | 20190531 | LSFE | +RENEW | RENEWAL (RENEWAL FEES<br>ACCEPTED) |  | TEXT : PATENT RENEWED<br>FOR 1 YEAR UNTIL 01<br>MAY 2020 BY GH MELB TM<br>EFFECTIVE DATE :<br>20190429       |
| NZ567863 A | 20200424 | LSFE | +RENEW | RENEWAL (RENEWAL FEES<br>ACCEPTED) |  | TEXT : PATENT RENEWED<br>FOR 1 YEAR UNTIL 01<br>MAY 2021 BY GH MELB<br>PAT<br>EFFECTIVE DATE :<br>20200423   |

**Title:** Combined reel and wire strainer for use with an electric wire fencing

**Abstract:** 749,206. Wire strainers. WOLSELEY ENGINEERING, Ltd., [formerly WOLSELEY SHEEP SHEARING MACHINE CO., Ltd.], and MACNAMARA, H. J. Dec. 3, 1954 [Sept. 15, 1953], No. 25419/53. Class 45. A combined reel and wire strainer comprises a reel 6 which is operated by a handle 10 and is journaled in side plates 1a interconnected by rods 2, 3, 4, 5, riveted thereto. The flanges 12 of the reel are provided with registering apertures 13 for the insertion of a locking-rod 14, 15. The rods 4, 5 are sheathed with rubber or thermo-plastic material 18 and have a bracket 19 secured thereto, see also Fig. 2 (not shown). The bracket is provided with a clamp 21 having an entry gap 22 or a hole for receiving the ground post 24. The handle is provided with a projection 11 for use as an abutment for a tommy bar.

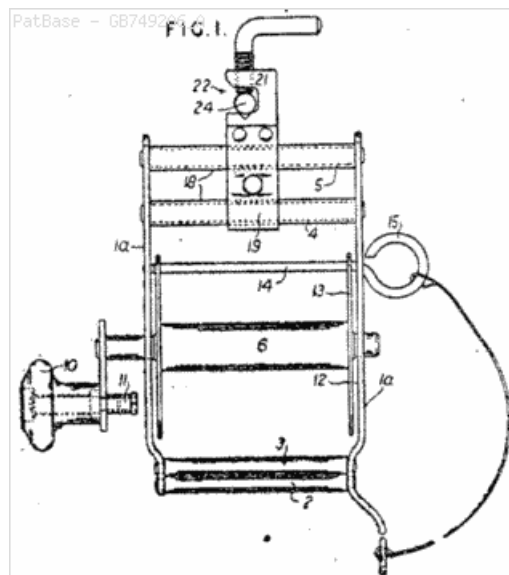
**Classifications:**

**International (IPC 8-9):** B65H75/40 F16G11/12 (Advanced/Invention)

**International (IPC 1-7):** A01K3/00

**CPC:** B65H75/40 B65H2701/364 F16G11/12

**European:** B65H75/40 F16G11/12 L65H701/364



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB749206 A         | 19560523         | GB19530025419      | 19530915         |

**Priority:**

GB19530025419 19530915

**Probable Assignee:** HUGH JOHN MACNAMARA

**Assignee(s): (std):** HUGH JOHN MACNAMARA ; WOLSELEY ENGINEERING LTD

**Assignee(s):** WOLSELEY ENGINEERING LIMITED

**Legal status (INPADOC)**

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| Patent     | Date recorded | Event group | Code | Event                                | Details |
|------------|---------------|-------------|------|--------------------------------------|---------|
| GB749206 A | 19560523      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| GB749206 A | 19730915      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Abstract:** Source: FR1574696A [FR] (Claim 1) RESUME L'invention a pour objet un isolateur pour lignes de clotures electrifiees pouvant etre fixe, soit au sommet d'un piquet, soit a une hauteur quelconque le long de celui-ci, soit sur un piquet d'angle.

**Machine translation:** (Claim 1) SUMMARY The invention relates to an **insulator** for **electric fencing** lines may be fixed or atop a pole, or has any height along it, or on a corner post.

**Classifications:**

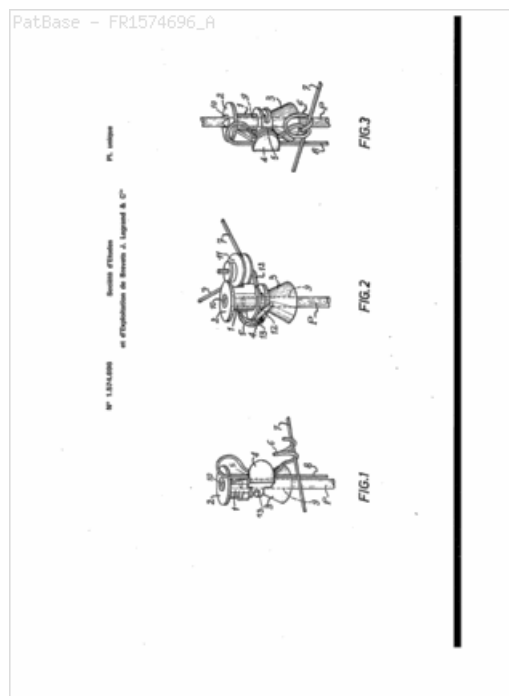
**International (IPC 8-9):** A01K3/00 H01B17/14 (Advanced/Invention);

A01K3/00 H01B17/14 (Core/Invention)

**International (IPC 1-7):** H01B17/24

**CPC:** A01K3/005 H01B17/145

**European:** A01K3/00C H01B17/14B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR1574696 A        | 19690718         | FR19680138155      | 19680131         |

**Priority:**

FR19680138155 19680131

**Legal status (INPADOC)**

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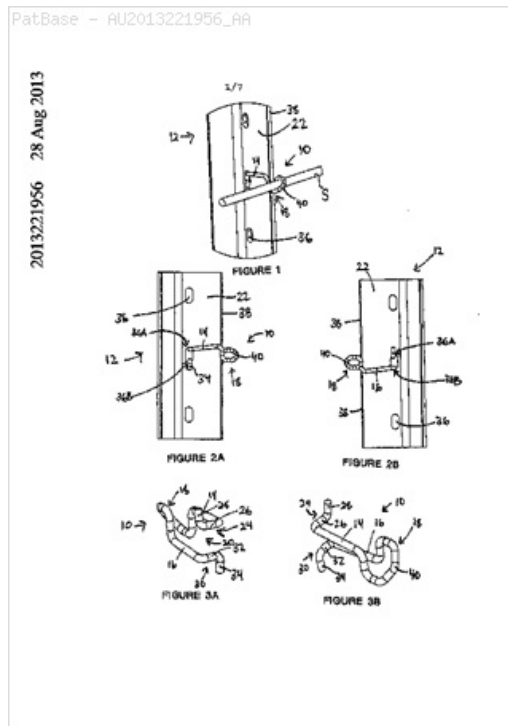
| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| FR1574696 A | 19690718      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| FR1574696 A | 19730406      | LSLE        | -ST  | NOTIFICATION OF LAPSE                |         |
| FR1574696 A | 19880131      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** APPARATUS, METHOD, SYSTEM AND DEVICE FOR SECURING ITEMS TO A POST

**Abstract:** An apparatus, method, system and device for securing at least one item to a post are disclosed herein. The apparatus comprises an elongate element having a retaining portion, and two projecting portions. In one form, ends of each projecting portion are configured to extend through, and interact with, apertures in a flange of the post. The apparatus, method, system and device find particular application in fencing to secure wire strands to a fence post, though they can be employed in applications such as demarcation, signage, retention, barricades etc. 46418051 (GHMatters) P90372.AU.1 28/08/13 3'13 Figure 1 22 3b Figure 2A Figure 2B FIGURE 3A Figure 3B

**Classifications:**

**International (IPC 8-9):** E04H17/06 E04H17/10 (Advanced/Invention)



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2013221956 AA    | 20140320         | AU20130221956      | 20130828         |

#### Priority:

AU20120903710 20120828 AU20130221956 20130828

**Probable Assignee:** ONESTEEL WIRE PTY LTD

**Assignee(s):** (std): ONESTEEL WIRE PTY LTD

**Inventor(s):** (std): TAYLOR BRAD

**Agent(s):** GRIFFITH HACK

#### Legal status (INPADOC)

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| Patent          | Date recorded | Event group | Code | Event                                                                               | Details |
|-----------------|---------------|-------------|------|-------------------------------------------------------------------------------------|---------|
| AU2013221956 AA | 20140320      | LSPB        | +    | published / reissued                                                                |         |
| AU2013221956 AA | 20180329      | LSLE        | -MK4 | APPLICATION LAPSED SECTION 142(2)(D) - NO CONTINUATION FEE PAID FOR THE APPLICATION |         |

Title: **ELECTRIC FENCE** WIRE SUPPORTING POST

**Abstract:** (Claim 1) 1. An **electric fence** post comprising a standard and an **insulator**, said standard comprising an upright rod having a right angularly bent terminal at its upper end adapted to be disposed parallel to a strand of **electric fence** wire to be supported by the fence post, said **insulator** comprising a body of electrical insulating material having a groove provided with a bed portion extending transversely through the **insulator** body, said groove having a reversed S-shaped upper portion opening Genually of the top surface of the **insulator** body and combining with said 'Led portion to form complementary oppositely extending projections which overlie portions of the bed of the groove, said **insulator** body having a slot, opening outwardly of the bottom and of a portion of the side thereof and extending inwardly from said side portion of the **insulator** body to beyond the center of the **insulator** body, in which the upper portion of the standard including the terminal is removably received, the plane of said slot being disposed crosswise to the axis of the groove, and said **insulator** body having a second slot disposed at a right angle to the first mentioned slot and communicating with the upper part of said first mentioned slot and receiving the angular terminal of the standard when the **insulator** is rotated in one direction on said standard and when the straight bed portion of the groove is disposed parallel to the standard terminal, said second slot opening outward of the side of the **insulator** body from an outer open end of the second slot to an inner closed end thereof, said slots having a common upper surface inclined downwardly and outwardly from the inner end of said first mentioned slot toward its open side and against which said standard terminal engages.

**Classifications:**

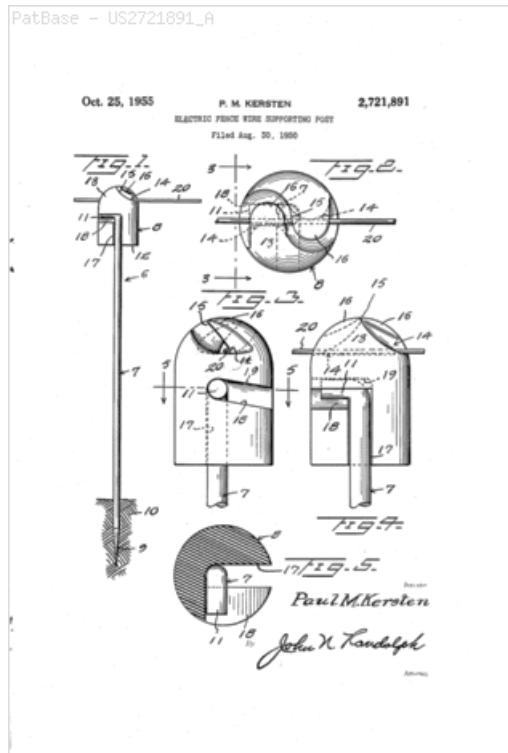
**International (IPC 8-9):** H01B17/14 (Advanced/Invention);  
H01B17/14 (Core/Invention)

**International (IPC 1-7):** H01B17/24

**CPC:** H01B17/145

**European:** H01B17/14B

**US:** 174/158F 174/164 174/165 248/156 248/353 248/49 256/10



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2721891 A        | 19551025         | US19500182307      | 19500830         |

**Priority:**

US19500182307 19500830

**Probable Assignee:**

KERSTEN PAUL M

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

KERSTEN PAUL M

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

KERSTEN PAUL M

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US2721891 A | 19551025      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** FIXING ELEMENT FOR **ELECTRIC FENCES** ETC.. - HAS POST WITH HORIZONTAL NOTCH FOR RECEIVING WIRE AND SLIDABLY MOUNTED COVER WITH SIMILAR, BUT VERTICAL, NOTCH FOR LOCKING WIRE

**Abstract:** The post (1) has a rectangular or square hollow section and is made from a synthetic plastic such as PVC, and is provided with a horizontal notch (2). The wire, bar or cable etc. is placed into the notch and secured by a fixing ring (4) which slides over the post and is also made from synthetic material and has notches (5) formed in the two appropriate sides. The ring and post are weather resistant and can be recovered and reused. In particular, the use of the post and ring in **electric fences** would remove the need to provide **insulators**.

**Classifications:**

**International (IPC 8-9):** A01K3/00 E04H17/12 F16B7/04

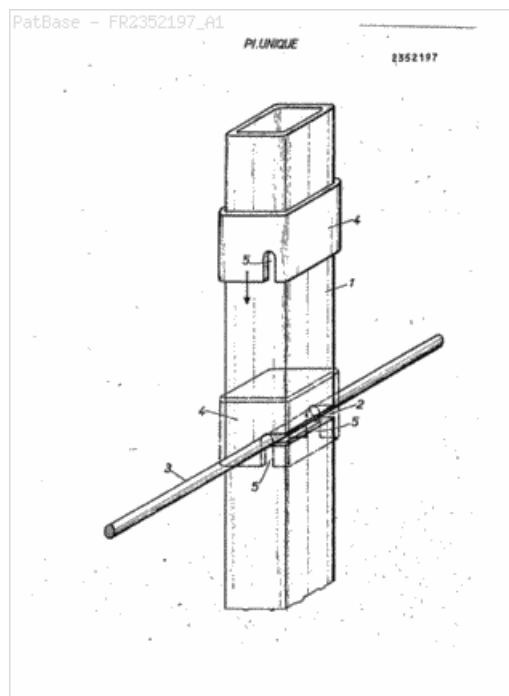
F16G11/00 (Advanced/Invention);

A01K3/00 E04H17/02 F16B7/04 F16G11/00 (Core/Invention)

**International (IPC 1-7):** A01K3/00 E04H17/12 F16B7/00 H05C1/00

**CPC:** A01K3/005 E04H17/12 F16B7/044 F16G11/00

**European:** A01K3/00C E04H17/12 F16B7/04D F16G11/00



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR2352197 A1       | 19771216         | FR19760014953      | 19760518         |

**Priority:**

FR19760014953 19760518

**Probable Assignee:**

PLASTIVAL

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

PLASTIVAL

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code | Event                 | Details |
|--------------|---------------|-------------|------|-----------------------|---------|
| FR2352197 A1 | 19771216      | LSPB        | +    | published / reissued  |         |
| FR2352197 A1 | 19780713      | LSLE        | -ST  | NOTIFICATION OF LAPSE |         |

**Title:** FENCING

**Abstract:** A wire fence accessory is provided including a connector configured to secure the accessory to a support post of a wire fence system; and a tension sensor configured to measure tension in a wire connected to the accessory and output a signal indicative of the tension, wherein the accessory includes an indicator configured to output, at the accessory, an indication of the tension in the wire according to the signal output by the tension sensor.

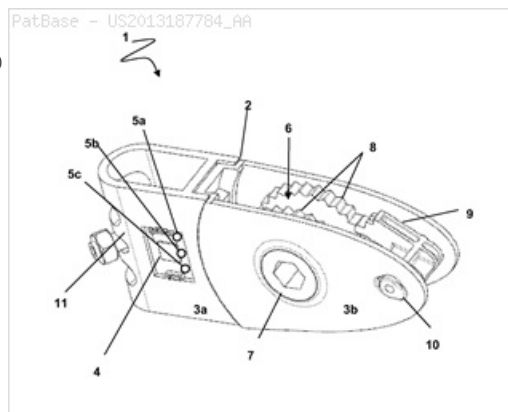
**Classifications:**

**International (IPC 8-9):** E04H E04H17/06 E04H17/10 E04H17/26 G01L G01L1/22 G01L5/04 G01L5/10 G08B13/12 G08B21/18 (Advanced/Invention)

**CPC:** E04H17/10 E04H17/261 G01L5/103 G08B13/122 G08B29/04 G08B21/182

**European:** E04H17/10

**US:** 1/1 340/668



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2011312984 AA    | 20120412         | AU20110312984      | 20110930         |
| AU2011312984 AA    | 20130314         | AU20110312984      | 20110930         |
| AU2011312984 AA    | 20120412         | AU20110312984      | 20110930         |
| AU2011312984 BB    | 20150514         | AU20110312984      | 20110930         |
| BR112013008112 A2  | 20160809         | BR20131108112      | 20110930         |
| CA2813707 AA       | 20130404         | CA20112813707      | 20110930         |
| CA2813707 C        | 20170620         | CA20112813707      | 20110930         |
| CN103261550 A      | 20130821         | CN201180048706     | 20110930         |
| CN103261550 B      | 20150826         | CN201180048706     | 20110930         |
| EP2625353 A1       | 20130814         | EP20110830977      | 20110930         |
| EP2625353 A4       | 20170215         | EP20110830977      | 20110930         |
| EP2625353 B1       | 20191120         | EP20110830977      | 20110930         |
| HK1188271 A1       | 20140425         | HK20140101234      | 20140211         |
| US2013187784 AA    | 20130725         | US20110878364      | 20110930         |
| US9064400 BB       | 20150623         | US20110878364      | 20110930         |
| WO12047117 A1      | 20120412         | WO2011NZ00204      | 20110930         |

**Priority:**

NZ20100588472 20101008 WO2011NZ00204 20110930

**Probable Assignee:** GALLAGHER GROUP LTD

**Assignee(s):** (std): GALLAGHER GROUP LTD ; GALLAGHER IAN STUART ; MALINS CRAIG DAVID

**Assignee(s):** GALLAGHER GROUP LIMITED

**Inventor(s):** (std): GALLAGHER IAN STUART ; MALINS CRAIG DAVID

**Inventor(s):** CRAIG DAVID MALINS ; IAN STUART GALLAGHER

**Agent(s):** JAMES AND WELLS INTELLECTUAL PROPERTY; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; EVENS PAUL JONATHAN; ECCLES AND LEE; GREER BURNS AND CRAIN LTD; TUCK JASON 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

**Legal status (INPADOC)**

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| Patent          | Date recorded | Event group | Code | Event                                | Details |
|-----------------|---------------|-------------|------|--------------------------------------|---------|
| AU2011312984 AA | 20120412      | LSPB        | +    | published / reissued                 |         |
| AU2011312984 AA | 20130314      | LSPB        | +    | published / reissued                 |         |
| AU2011312984 BB | 20150514      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| AU2011312984 BB | 20150910      | LSGT        | +FGA | LETTERS PATENT                       |         |

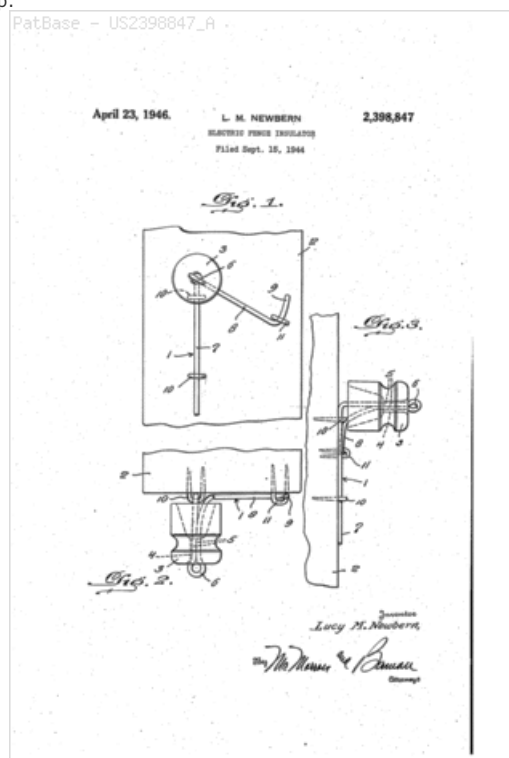
|                   |          |      |       |                                                                                             |                                                                                                                                                                                                                                                                    |
|-------------------|----------|------|-------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |          |      |       | SEALED OR GRANTED (STANDARD PATENT)                                                         |                                                                                                                                                                                                                                                                    |
| AU2011312984 BB   | 20310930 | PEXP |       | Calculated Patent Term Expiry                                                               |                                                                                                                                                                                                                                                                    |
| BR112013008112 A2 | 20160809 | LSPB | +     | published / reissued                                                                        |                                                                                                                                                                                                                                                                    |
| BR112013008112 A2 | 20160920 | LSFE | -B08F | APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW                         | TEXT : REFERENTE AS 4A E 5A ANUIDADES.                                                                                                                                                                                                                             |
| BR112013008112 A2 | 20170110 | LSLE | -B08K | LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87) | TEXT : EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2385 DE 20-09-2016 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013. |
| CA2813707 AA      | 20130404 | LSPB | +     | published / reissued                                                                        |                                                                                                                                                                                                                                                                    |
| CA2813707 AA      | 20160919 | LSES | +EEER | EXAMINATION REQUEST                                                                         | EFFECTIVE DATE : 20160909                                                                                                                                                                                                                                          |
| CA2813707 C       | 20170620 | LSGT | +     | granted / extensions (spc, cpc, pte)                                                        |                                                                                                                                                                                                                                                                    |
| CA2813707 C       | 20310930 | PEXP |       | Calculated Patent Term Expiry                                                               |                                                                                                                                                                                                                                                                    |
| CN103261550 A     | 20130821 | LSPB | +     | published / reissued                                                                        |                                                                                                                                                                                                                                                                    |
| CN103261550 A     | 20130821 | LSPB | +C06  | PUBLICATION                                                                                 |                                                                                                                                                                                                                                                                    |
| CN103261550 B     | 20150826 | LSGT | +     | granted / extensions (spc, cpc, pte)                                                        |                                                                                                                                                                                                                                                                    |
| CN103261550 B     | 20150826 | LSGT | +C14  | GRANT OF PATENT OR UTILITY MODEL                                                            |                                                                                                                                                                                                                                                                    |
| CN103261550 B     | 20310930 | PEXP |       | Calculated Patent Term Expiry                                                               |                                                                                                                                                                                                                                                                    |
| EP2625353 A1      | 20130814 | LSPB | +     | published / reissued                                                                        |                                                                                                                                                                                                                                                                    |
| EP2625353 A1      | 20130814 | LSES | +17P  | REQUEST FOR EXAMINATION FILED                                                               | EFFECTIVE DATE : 20130418                                                                                                                                                                                                                                          |
| EP2625353 A4      | 20170215 | LSES | +RA4  | SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED (CORRECTED)                             | EFFECTIVE DATE : 20170118                                                                                                                                                                                                                                          |
| EP2625353 A4      | 20190717 | LSGT | +INTG | INTENTION TO GRANT ANNOUNCED                                                                | EFFECTIVE DATE : 20190624                                                                                                                                                                                                                                          |
| EP2625353 B1      | 20191120 | LSGT | +     | granted / extensions (spc, cpc, pte)                                                        |                                                                                                                                                                                                                                                                    |
| EP2625353 B1      | 20191120 | LSGT | REG   | REFERENCE TO A NATIONAL CODE                                                                | REF COUNTRY CODE : GB<br>REF LEGAL EVENT CODE : FG4D                                                                                                                                                                                                               |
| EP2625353 B1      | 20191129 | LSNP | REG   | REFERENCE TO A NATIONAL CODE                                                                | REF COUNTRY CODE : CH<br>REF LEGAL EVENT CODE : EP                                                                                                                                                                                                                 |
| EP2625353 B1      | 20191211 | LSGT | REG   | REFERENCE TO A NATIONAL CODE                                                                | REF COUNTRY CODE : IE<br>REF LEGAL EVENT CODE : FG4D                                                                                                                                                                                                               |
| EP2625353 B1      | 20191212 | LSPB | REG   | REFERENCE TO A NATIONAL CODE                                                                | REF COUNTRY CODE : DE<br>REF LEGAL EVENT CODE : R096<br>REF DOCUMENT NUMBER : 602011063548<br>COUNTRY OF REF DOCUMENT : DE                                                                                                                                         |

|                 |          |      |       |                                                                                                 |                                                                                                                                                                                                                    |
|-----------------|----------|------|-------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EP2625353 B1    | 20191215 | LSNP | REG   | REFERENCE TO A NATIONAL CODE                                                                    | REF COUNTRY CODE : AT<br>REF LEGAL EVENT CODE : REF<br>REF DOCUMENT NUMBER : 1204355<br>COUNTRY OF REF DOCUMENT : AT<br>KIND CODE OF REF DOCUMENT : T<br>DESIGNATED STATE(S) :<br>EFFECTIVE DATE : 20191215        |
| EP2625353 B1    | 20200410 | LSRV | REG   | REFERENCE TO A NATIONAL CODE                                                                    | REF COUNTRY CODE : LT<br>REF LEGAL EVENT CODE : MG4D                                                                                                                                                               |
| EP2625353 B1    | 20200501 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO] | COUNTRY OF REF DOCUMENT : ES<br>NOTIFICATIONOFLAPSE : LAPSE<br>BECAUSE OF FAILURE TO SUBMIT A<br>TRANSLATION OF THE DESCRIPTION<br>OR TO PAY THE FEE WITHIN THE<br>PRESCRIBED TIME-LIMIT<br>LAPSED DATE : 20191120 |
| EP2625353 B1    | 20200501 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO] | COUNTRY OF REF DOCUMENT : NO<br>NOTIFICATIONOFLAPSE : LAPSE<br>BECAUSE OF FAILURE TO SUBMIT A<br>TRANSLATION OF THE DESCRIPTION<br>OR TO PAY THE FEE WITHIN THE<br>PRESCRIBED TIME-LIMIT<br>LAPSED DATE : 20200220 |
| EP2625353 B1    | 20200501 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO] | COUNTRY OF REF DOCUMENT : GR<br>NOTIFICATIONOFLAPSE : LAPSE<br>BECAUSE OF FAILURE TO SUBMIT A<br>TRANSLATION OF THE DESCRIPTION<br>OR TO PAY THE FEE WITHIN THE<br>PRESCRIBED TIME-LIMIT<br>LAPSED DATE : 20200221 |
| EP2625353 B1    | 20200501 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO] | COUNTRY OF REF DOCUMENT : LT<br>NOTIFICATIONOFLAPSE : LAPSE<br>BECAUSE OF FAILURE TO SUBMIT A<br>TRANSLATION OF THE DESCRIPTION<br>OR TO PAY THE FEE WITHIN THE<br>PRESCRIBED TIME-LIMIT<br>LAPSED DATE : 20191120 |
| EP2625353 B1    | 20200501 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO] | COUNTRY OF REF DOCUMENT : BG<br>NOTIFICATIONOFLAPSE : LAPSE<br>BECAUSE OF FAILURE TO SUBMIT A<br>TRANSLATION OF THE DESCRIPTION<br>OR TO PAY THE FEE WITHIN THE<br>PRESCRIBED TIME-LIMIT<br>LAPSED DATE : 20200220 |
| EP2625353 B1    | 20200501 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO] | COUNTRY OF REF DOCUMENT : LV<br>NOTIFICATIONOFLAPSE : LAPSE<br>BECAUSE OF FAILURE TO SUBMIT A<br>TRANSLATION OF THE DESCRIPTION<br>OR TO PAY THE FEE WITHIN THE<br>PRESCRIBED TIME-LIMIT<br>LAPSED DATE : 20191120 |
| EP2625353 B1    | 20200501 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO] | COUNTRY OF REF DOCUMENT : FI<br>NOTIFICATIONOFLAPSE : LAPSE<br>BECAUSE OF FAILURE TO SUBMIT A<br>TRANSLATION OF THE DESCRIPTION<br>OR TO PAY THE FEE WITHIN THE<br>PRESCRIBED TIME-LIMIT<br>LAPSED DATE : 20191120 |
| EP2625353 B1    | 20310930 | PEXP |       | Calculated Patent Term Expiry                                                                   |                                                                                                                                                                                                                    |
| HK1188271 A1    | 20140425 | LSPB | +     | published / reissued                                                                            |                                                                                                                                                                                                                    |
| US2013187784 AA | 20130725 | LSPB | +     | published / reissued                                                                            |                                                                                                                                                                                                                    |
| US2013187784 AA | 20150603 | LSGT | STCF  | INFORMATION ON STATUS: PATENT GRANT                                                             | TEXT : PATENTED CASE                                                                                                                                                                                               |
| US9064400 BB    | 20150623 | LSGT | +     | granted / extensions (spc, cpc, pte)                                                            |                                                                                                                                                                                                                    |

|               |          |      |       |                                                         |                                                                                                                                                                                                                                          |
|---------------|----------|------|-------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US9064400 BB  | 20130415 | LSAS | AS    | ASSIGNMENT                                              | PARTYTYPE : OWNER<br>OWNER : GALLAGHER GROUP LIMITED,<br>NEW ZEALAND<br>OLDPARTY : ASSIGNMENT OF<br>ASSIGNORS INTEREST;<br>ASSIGNORS:GALLAGHER, IAN STUART;<br>MALINS, CRAIG DAVID;<br>REEL/FRA:030213/0364<br>EFFECTIVE DATE : 20130328 |
| US9064400 BB  | 20150603 | LSGT | PAT1  | Patented Case                                           |                                                                                                                                                                                                                                          |
| US9064400 BB  | 20181203 | LSFE | +MAFP | MAINTENANCE<br>FEE PAYMENT                              | YEAR OF FEE PAYMENT : 4                                                                                                                                                                                                                  |
| US9064400 BB  | 20320117 | PEXP |       | Calculated<br>Patent Term<br>Expiry (PTA 109<br>days)   |                                                                                                                                                                                                                                          |
| WO12047117 A1 | 20120412 | LSPB | +     | published /<br>reissued                                 |                                                                                                                                                                                                                                          |
| WO12047117 A1 | 20130314 | LSNP | ENP   | ENTRY INTO THE<br>NATIONAL<br>PHASE                     | REF DOCUMENT NUMBER :<br>2011312984<br>COUNTRY OF REF DOCUMENT : AU<br>DATE OF REF DOCUMENT : 20110930<br>KIND CODE OF REF DOCUMENT : A<br>DESIGNATED STATE(S) :                                                                         |
| WO12047117 A1 | 20130404 | LSNP | ENP   | ENTRY INTO THE<br>NATIONAL<br>PHASE                     | REF DOCUMENT NUMBER : 2813707<br>COUNTRY OF REF DOCUMENT : CA                                                                                                                                                                            |
| WO12047117 A1 | 20130404 | LSNP | +WWE  | WIPO<br>INFORMATION:<br>ENTRY INTO<br>NATIONAL<br>PHASE | REF DOCUMENT NUMBER :<br>2011830977<br>COUNTRY OF REF DOCUMENT : EP                                                                                                                                                                      |
| WO12047117 A1 | 20130408 | LSNE | NENP  | NON-ENTRY<br>INTO THE<br>NATIONAL<br>PHASE IN:          | REF COUNTRY CODE : DE                                                                                                                                                                                                                    |
| WO12047117 A1 | 20130408 | LSNP | +WWE  | WIPO<br>INFORMATION:<br>ENTRY INTO<br>NATIONAL<br>PHASE | REF DOCUMENT NUMBER : 13878364<br>COUNTRY OF REF DOCUMENT : US                                                                                                                                                                           |
| WO12047117 A1 | 20160809 | LSNP | ENP   | ENTRY INTO THE<br>NATIONAL<br>PHASE                     | REF DOCUMENT NUMBER :<br>112013008112<br>COUNTRY OF REF DOCUMENT : BR<br>KIND CODE OF REF DOCUMENT : A2<br>DESIGNATED STATE(S) :<br>EFFECTIVE DATE : 20130404                                                                            |

**Abstract:** 1. A device of the class described comprising a bracket formed from a single length of resilient wire and including a pair of horizontal, parallel legs, one of said legs terminating in a depending end portion, a substantially lateral, resilient arm on one end of the other leg, a hook on the free end of said arm, a loop joining the other ends of the legs, and a substantially tubular insulator mounted on the legs and having one end engaged with the loop.

**US:** 174/158F 248/205.1



| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2398847 A        | 19460423         | US19440554292      | 19440915         |

US19440554292 19440915

**Inventor(s):** (std): NEWBERN LUCY M

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US2398847 A | 19460423      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** **Electric fence** post standard

**Abstract:** A portable **electric fence** post is disclosed for supporting a conventional **electric fence** wire to provide an enclosure for livestock which is easily moved and stored, said portable **electric fence** post includes a vehicle tire casing which lays on a side wall to form a ground support, two support members formed of concrete reinforcing rod having lower ends bent transverse to the main portion of the support member and having upper ends which are bent outwardly relative to the lower ends thereof, a post member similar to the support members except the upper end thereof is longer than the upper ends of the support members and forms the post which supports the **electric fence** wire, and a rubber sleeve whereby the portable **electric fence** post is formed by inserting the lower ends of the support members and the post member at equally spaced apart positions into the upper side wall of the tire casing and bringing the upper ends of the members together to form a tripod with the rubber sleeve surrounding a portion of the upper ends of the members with the upper end of the post member extending above the sleeve thereby providing a portable post to which the **electric fence** wire may be attached by any desired means.

**Classifications:**

**International (IPC 8-9):** A01K3/00 (Advanced/Invention);

A01K3/00 (Core/Invention)

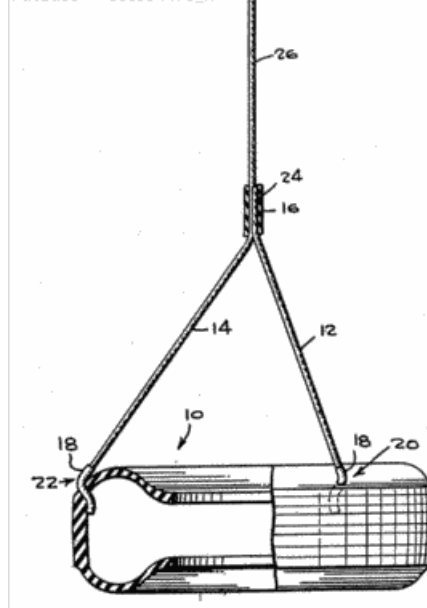
**International (IPC 1-7):** A01K3/00

**CPC:** A01K3/005

**European:** A01K3/00C

**US:** 174/158F 256/1 256/10

PatBase - US3994478\_R



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US3994478 A        | 19761130         | US19750600525      | 19750730         |

**Priority:**

US19750600525 19750730

**Probable Assignee:**

SPECHT WILLIAM

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

SPECHT WILLIAM

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

SPECHT WILLIAM

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US3994478 A | 19761130      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** Improvements in or relating to **electric fencing**

**Abstract:** 974,791. Electrified fencing. E. S. PATEY. Oct. 30, 1963 [Dec. 14, 1962], No. 47274/62. Heading E1B. [Also in Division H2]. Electrified fencing comprises posts in the form of two braced uprights 1a, 1b of different heights each supporting an electrified wire 4a or 4b. The uprights are each provided with a plastic covered pig-tail at their upper ends, a wire coil optionally covering the plastic of the pig-tail to prevent the fence wire cutting into it. The posts may be provided with struts or stays 6 having pegs 7 driven into the ground.

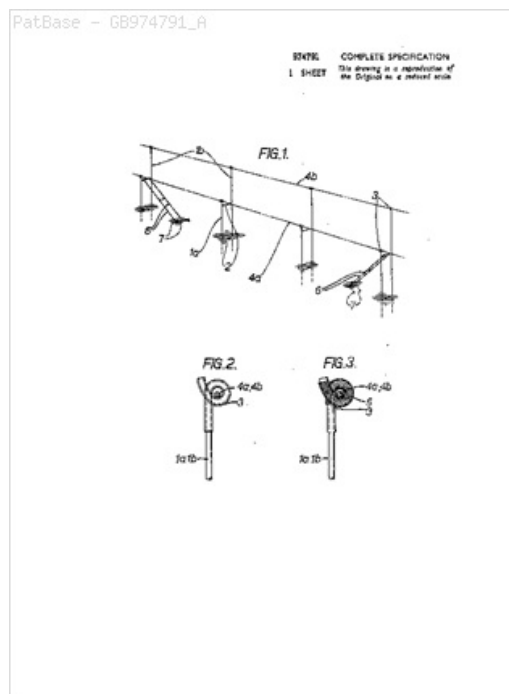
**Classifications:**

**International (IPC 8-9):** H01B17/14 (Advanced/Invention);  
H01B17/14 (Core/Invention)

**International (IPC 1-7):** H05C1/00

**CPC:** H01B17/145

**European:** H01B17/14B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB974791 A         | 19641111         | GB19620047274      | 19621214         |

**Priority:**

GB19620047274 19621214

**Probable Assignee:** EDWARD SAMUEL PATEY

**Assignee(s):** (std): EDWARD SAMUEL PATEY

**Legal status (INPADOC)**

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| Patent     | Date recorded | Event group | Code | Event                                | Details |
|------------|---------------|-------------|------|--------------------------------------|---------|
| GB974791 A | 19641111      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| GB974791 A | 19821214      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** WEIDEZAUNISOLATOR. PASTURE FENCE **INSULATOR**. (Machine translation)

**Abstract:** Source: DE1906075U [DE] (Claim 1) 1.Schutzanspruch: Anspruch 1: Weidezaunisulator mit Drahtstift und Isolatorkopf, dadurch gekennzeichnet, dass das Drahtstiftende (3) etwa U-förmig gebogen und in Isolatorwerkstoff eingebettet ist und dass ein Schenkel (5) des Isolatorkopfes () oesenartig das offene Maul des U-förmigen Drahtstiftendes unter Freilassung eines Einlegespaltes (6) ueberspannt. Anspruch 2: Weidezaunisulator nach Anspruch 1, dadurch gekennzeichnet, dass das Drahtstiftende (3) zunaechst etwa unter 450 und sodann unter Bildung von drei Rechteckseiten abgebogen ist. Anspruch 3: Weidezaunisulator nach Anspruch 2, gekennzeichnet durch einen im Kantenbereich angeordneten, schraeg zur oesenachse verlaufenden Einlegschlitz (6). Anspruch 4: WAidezaunisulator nach einem der Ansprueche 1 bis 3, gekennzeichnet durch eine kreisfoermige oese (7).

**Machine translation:** (claim 1) 1.Schutzanspruch: Claim 1: **electric fence insulator** with wire pin and **insulator** head, characterized in that the wire pin end (3) approximately U-shaped and surrounded by insulating material, and that one leg (5) the **insulator** head () eyelets the open mouth of the U-shaped wire pin end, leaving an insertion slot (6) over-stressed. Claim 2: **electric fence insulator** according to claim 1, characterized in that the wire pin end (3) is initially approximately at 450 and then bent to form three sides of the rectangle is. Claim 3: **electric fence insulator** according to claim 2, characterized by an edge portion disposed obliquely to the ear axis extending Einlegschlitz (6). Claim 4: WAidezaunisulator characterized according to any one of claims 1 to 3, by a kreisfoermige eye (7) .

**Classifications:**

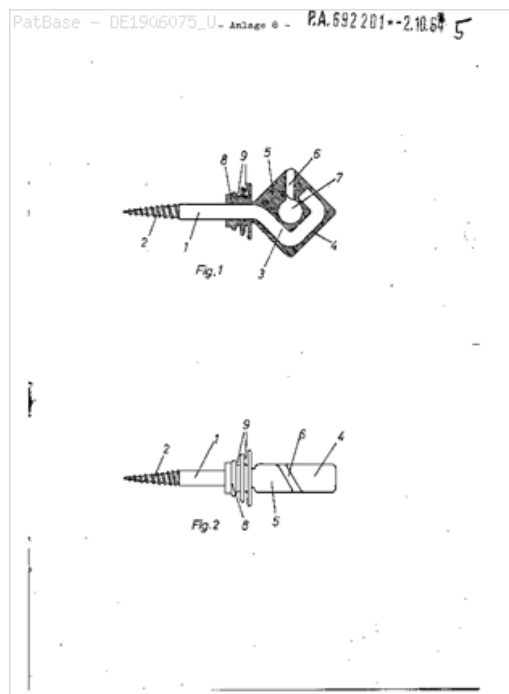
**International (IPC 8-9):** H01B17/34 (Advanced/Invention);

H01B17/00 (Core/Invention)

**International (IPC 1-7):** H01B17/24

**CPC:** H01B17/34

**European:** H01B17/34



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE1906075 U        | 19641210         | DE1964G030900U     | 19641002         |

**Priority:**

DE1964G030900U 19641002

**Probable Assignee:** WALTER GESSLER ELEKTROTECHNISC

**Assignee(s):** (std): WALTER GESSLER ELEKTROTECHNISC

**Assignee(s):** WALTER GESSLER ELEKTROTECHNISCHE FABRIK

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| DE1906075 U | 19641210      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

Title: **ELECTRIC FENCE** STAR POST **INSULATOR**

**Abstract:** A flange which locks the **insulator** into the hole of a star post whilst allowing wire to pass through the centre of the **insulator**.

**Classifications:**

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU313470 S         | 20070327         | AU20060013986F     | 20060904         |

**Priority:**

AU20060013986F 20060904

**Legal status (INPADOC)**

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| Patent     | Date recorded | Event group | Code | Event                                | Details |
|------------|---------------|-------------|------|--------------------------------------|---------|
| AU313470 S | 20070327      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** Holder for **electric fencing** cables or bands has fastening foot adaptable to fence **insulator** and supporting head holder for cable

**Abstract:** The holder (1) has a fastening foot which can be adapted to a fence **insulator** and which supports at least one head holder (30) for the cable. The head holder has two restricting arms (32, 33) which are spaced from each other to form a socket chamber (31) the fastening foot can have wire slits. The socket chamber of the head holder can have a socket for bands and a socket for cables.

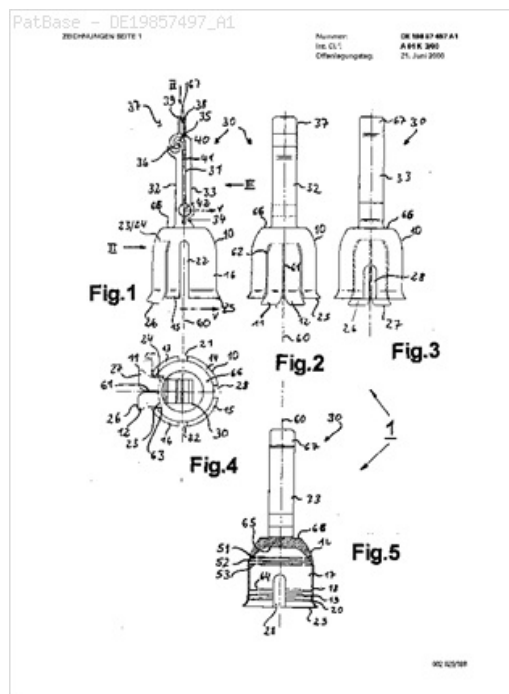
**Classifications:**

**International (IPC 8-9):** A01K3/00 (Advanced/Invention);  
A01K3/00 (Core/Invention)

**International (IPC 1-7):** A01K3/00 E04H17/10

**CPC:** A01K3/005

**European:** A01K3/00C



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE19857497 A1      | 20000621         | DE19981057497      | 19981214         |
| DE19857497 C2      | 20021128         | DE19981057497      | 19981214         |

**Priority:**

DE19981057497 19981214

**Probable Assignee:**

VOIT WALTER

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

VOIT WALTER

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

VOIT WALTER

**Legal status (INPADOC)**

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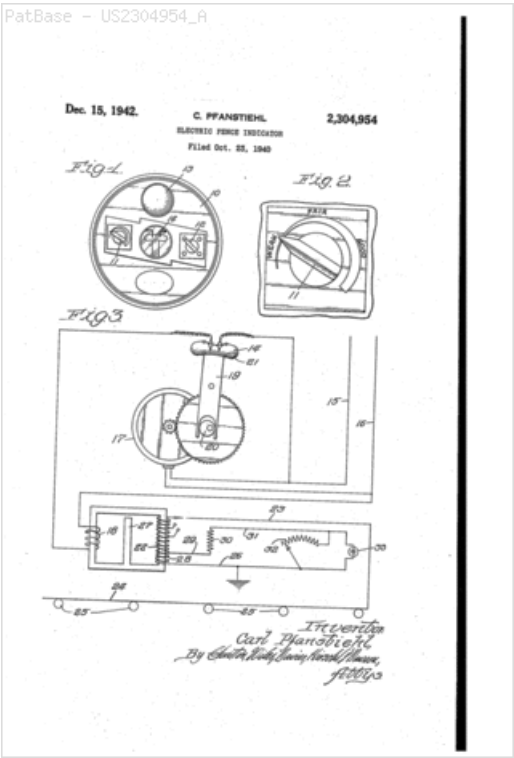
| Patent        | Date recorded | Event group | Code  | Event                                                 | Details |
|---------------|---------------|-------------|-------|-------------------------------------------------------|---------|
| DE19857497 A1 | 20000621      | LSPB        | +     | published / reissued                                  |         |
| DE19857497 A1 | 20000621      | LSSES       | +OP8  | REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW |         |
| DE19857497 C2 | 20021128      | LSGT        | +     | granted / extensions (spc, cpc, pte)                  |         |
| DE19857497 C2 | 20021128      | LSGT        | +D2   | GRANT AFTER EXAMINATION                               |         |
| DE19857497 C2 | 20030528      | LSGT        | +8364 | NO OPPOSITION DURING TERM OF OPPOSITION               |         |
| DE19857497 C2 | 20031009      | LSLE        | -8339 | CEASED/NON-PAYMENT OF THE ANNUAL FEE                  |         |
| DE19857497 C2 | 20181214      | PEXP        |       | Calculated Patent Term Expiry                         |         |

Title: **ELECTRIC FENCE** INDICATOR

**Abstract:** 1. Means for indicating the effectiveness of an **electric fence** comprising a, bare fence wire ODDnected to energizing means adapted to provide B. predetermined open-circuit voltage, including! means electrically coupled to the energizing means for providing an indicating voltage bearing a predetermined ratio to the voltage on the fence: 9. slow lamp adapted to be energized by the indicating voltage; and manually operable means for varying the voltage applied to tie glow lamp, said last mentioned means including indicating means. -

**Classifications:**

**International (IPC 8-9):** G08B13/02 H05C1/00 (Advanced/Invention);  
G08B13/02 H05C1/00 (Core/Invention)  
**CPC:** G08B13/02 H05C1/00  
**European:** G08B13/02 H05C1/00  
**US:** 256/10 324/72 340/650 340/660



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2304954 A        | 19421215         | US19400362455      | 19401023         |

**Priority:**

US19400362455 19401023

**Probable Assignee:** BABSON BROS CO  
**Assignee(s):** (std): BABSON BROS CO  
**Inventor(s):** (std): CODY PFANSTICHL CARYL  
**Inventor(s):** PFANSTICHL CARYL CODY

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| US2304954 A | 19421215      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** **Insulator** for **electric fencing**

**Abstract:** **Insulator** for **electric fencing** enabling conductors to be used, such as: - wire; - ribbon. The conductor can be stopped longitudinally, or left free to slide, according to whether it is wound in a certain manner around two columns which the isolator comprises, or whether it is simply passed between these columns. A cotter pin, which is made of plastic or made of metal wire and which can be locked (engaged) in a slot, and therefore is captive, enables the conductor to be trapped in the transverse direction.

**Classifications:**

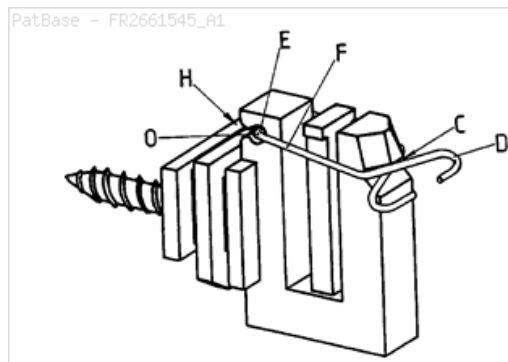
**International (IPC 8-9):** H01B17/14 (Advanced/Invention);

H01B17/14 (Core/Invention)

**International (IPC 1-7):** A01K3/00 H01B17/14 H01B17/14000

**CPC:** H01B17/145

**European:** H01B17/14B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR2661545 A1       | 19911031         | FR19900005246      | 19900425         |
| FR2661545 B1       | 19920710         | FR19900005246      | 19900425         |

**Priority:**

FR19900005246 19900425

**Probable Assignee:**

HAMM JEAN JACQUES

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

HAMM JEAN JACQUES

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

JEAN JACQUES HAMM

**Inventor(s):**

HAMM JEAN JACQUES

**Agent(s):**

LACME HOLDING

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code | Event                                | Details                   |
|--------------|---------------|-------------|------|--------------------------------------|---------------------------|
| FR2661545 A1 | 19911031      | LSPB        | +    | published / reissued                 |                           |
| FR2661545 A1 | 19920117      | LSAS        | TP   | TRANSMISSION OF PROPERTY             |                           |
| FR2661545 B1 | 19920710      | LSGT        | +    | granted / extensions (spc, cpc, pte) |                           |
| FR2661545 B1 | 20050114      | LSAS        | CD   | CHANGE OF NAME OR COMPANY NAME       |                           |
| FR2661545 B1 | 20100122      | LSLE        | -ST  | NOTIFICATION OF LAPSE                | EFFECTIVE DATE : 20091231 |
| FR2661545 B1 | 20100425      | PEXP        |      | Calculated Patent Term Expiry        |                           |

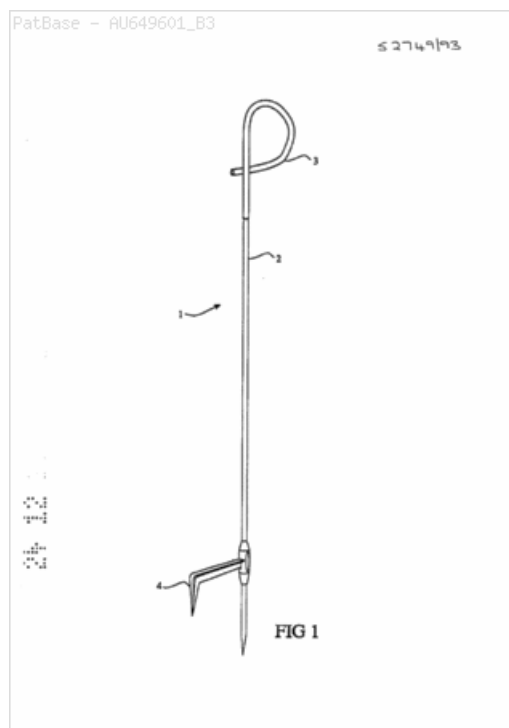
**Title:** Fence post

**Abstract:** 1. A support for an electric fence wire said support comprising an elongate post, a wire support at one end of the post and a stabilising tread at the other end of the post, said stabilising tread having a socket with a post socket engaging portion said socket including opposed wall openings the post being fixed to the socket by deforming the post so that it is keyed into at least one of the opposed openings.

**Classifications:**

**International (IPC 8-9):** E04H17/08 (Advanced/Invention);  
E04H17/02 (Core/Invention)

**International (IPC 1-7):** E04H17/08



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU649601 B1        | 19940526         | AU19930052749      | 19931224         |
| AU649601 B3        | 19940526         | AU19930052749      | 19931224         |

**Priority:**

AU19930052749 19931224

**Probable Assignee:** ALFA LAVAL AGRI NEW ZEALAND LTD

**Assignee(s):** (std): ALFA LAVAL AGRI NEW ZEALAND ; ALFA LAVAL AGRI NEW ZEALAND LI

**Assignee(s):** ALFA LAVAL AGRI NEW ZEALAND LIMITED ; ALFA LAVAL AGRI NEW ZEALAND LTD

**Inventor(s):** (std): STEWART MALCOLM JAMES

**Inventor(s):** MALCOLM JAMES STEWART

**Agent(s):** MADDERNS; MADDERNS PATENT AND TRADE MARK ATTORNEYS; MADDERNS PTY LTD

**Legal status (INPADOC)**

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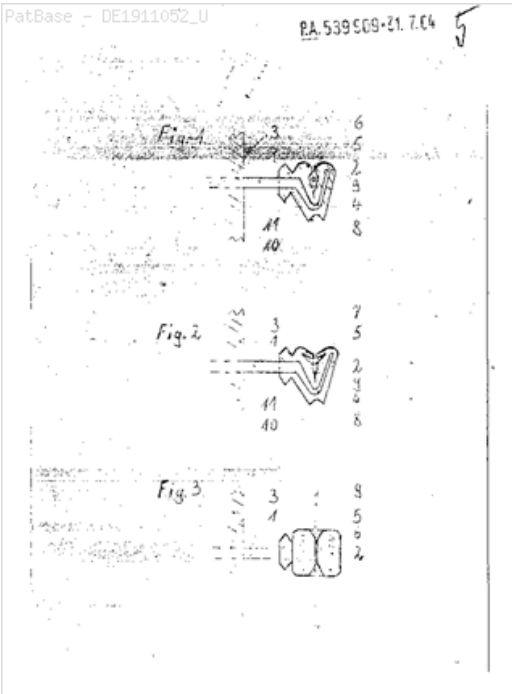
| Patent      | Date recorded | Event group | Code  | Event                                                          | Details |
|-------------|---------------|-------------|-------|----------------------------------------------------------------|---------|
| AU649601 B1 | 19940526      | LSGT        | +     | granted / extensions (spc, cpc, pte)                           |         |
| AU649601 B1 | 20131224      | PEXP        |       | Calculated Patent Term Expiry                                  |         |
| AU649601 B3 | 19940526      | LSGT        | +     | granted / extensions (spc, cpc, pte)                           |         |
| AU649601 B3 | 20000203      | LSLE        | -MK14 | PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED |         |
| AU649601 B3 | 20131224      | PEXP        |       | Calculated Patent Term Expiry                                  |         |

**Title:** ISOLATOR FUER WEIDEZAUN. ISOLATOR FOR PASTURE FENCE. (Machine translation)

**Abstract:** Source: DE1911052U [DE] (Claim 1) 1.) Schutzansprueche le) Isolator fuer Weidezaun gekeiwnzsichnet dadurch9 dass der Isolatorkoerper (2) zur Drahtbefestigung einen keilfoermigen Spalt (4) aufe@eist", an der Spaltoeffnung (5) elastische Sperrnocken (6) oder Sperrlappen (7) angebracht sind und der keilfoermiE; e Spalt (4) innerhalb dem Bereich vor. dem V-foermig gebogenem Ende (8) der I,olators u-ange 1 verlaeuft g

**Machine translation:** (claim 1) 1) Schutzansprueche le) **insulator** for **electric fences** gekeiwnzsichnet dadurch9 that the EIST Isolatorkoerper (2) for fixing a wire keilfoermigen gap (4) aufe @ "at the Spaltoeffnung (5) elastic locking cam (6) or locking lugs (7) are mounted and the keilfoermiE; e gap (4) within the area in front of the V-shaped curved end (8) of the I, olators u-1 runs in g .

**Classifications:**  
**International (IPC 8-9):** H01B17/34 (Advanced/Invention);  
H01B17/00 (Core/Invention)  
**International (IPC 1-7):** H01B17/24  
**CPC:** H01B17/34  
**European:** H01B17/34



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE1911052 U        | 19650304         | DE1964G030533U     | 19640731         |

**Priority:**

DE1964G030533U 19640731

|                            |            |
|----------------------------|------------|
| <b>Probable Assignee:</b>  | GAIL JOSEF |
| <b>Assignee(s):</b> (std): | GAIL JOSEF |
| <b>Assignee(s):</b>        | JOSEF GAIL |
| <b>Inventor(s):</b> (std): | GAIL JOSEF |
| <b>Inventor(s):</b>        | JOSEF GAIL |

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| DE1911052 U | 19650304      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** Waste gas flare igniter

**Abstract:** A waste gas flare igniter includes a pair of ignition tubes, each having a fuel line and an electrode extending therethrough to points near the ends of the tubes. The tubes are connected to an air distribution box which is slidably mounted on linear guides. A jackscrew and motor translate the air box and tubes between an extended position wherein the tubes connect with inwardly directed extensions passing through a heat shield at the end of the flare pipe for ignition of the waste gas and a retracted position spacing the tubes from the heat shield. The air box is connected by a telescoping duct to a blower, and the fuel line to a valve and pump to provide a fuel-air mixture which is ignited when the tubes are extended to ignite the waste gas.

**Classifications:**

**International (IPC 8-9):** E21B41/00 F23G7/08 (Advanced/Invention);

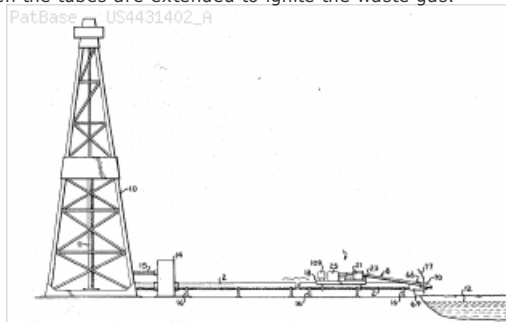
E21B41/00 F23G7/06 (Core/Invention)

**International (IPC 1-7):** F23D13/20

**CPC:** E21B41/0071 F23G7/08

**European:** E21B41/00M4 F23G7/08

**US:** 431/202 431/23 431/264 431/279 431/87



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US4431402 A        | 19840214         | US19820369972      | 19820419         |

**Priority:**

US19820369972 19820419

**Probable Assignee:**

HAMILTON LOUIS F

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

HAMILTON LOUIS F

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

HAMILTON LOUIS F

**Legal status (INPADOC)**

[View legal status timeline](#)

| Patent      | Date recorded | Event group | Code  | Event                                                                   | Details                                                                        |
|-------------|---------------|-------------|-------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| US4431402 A | 19840214      | LSGT        | +     | granted / extensions (spc, cpc, pte)                                    |                                                                                |
| US4431402 A | 19831214      | LSGT        | PAT1  | Patented Case                                                           |                                                                                |
| US4431402 A | 19870730      | LSFE        | +FPAY | FEE PAYMENT                                                             | YEAR OF FEE PAYMENT : 4                                                        |
| US4431402 A | 19920216      | LSLE        | -LAPS | LAPSE FOR FAILURE TO PAY MAINTENANCE FEES                               |                                                                                |
| US4431402 A | 19920421      | LSLE        | -FP   | EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE                           | EFFECTIVE DATE : 19920216                                                      |
| US4431402 A | 20180122      | LSLE        | -PEX1 | Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362 |                                                                                |
| US4431402 A | 20180122      | LSLE        | -STCH | INFORMATION ON STATUS: PATENT DISCONTINUATION                           | TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362 |

**Title:** FENCE **INSULATORS**

**Abstract:** (Claim 1) 1. In a fence insuiator of the class described, a non-conductive resinous plastic body having opposite ends each provided with an annular drip flange, a wire-receiv-ing passage extending transversely through said body, 50 a slot in the upper portion of said body through which a wire may be passed into or out of said wire-receiving passage, said slot being disposed at an -angle diagonal to the longitudinal axis of said body, said slot having axially disposed opposite non-yieldable wall portions projecting 55 inwardly over said passage and over a wire supported therein, and résilient elements coacting with said inwardiy projecting non-yieldable wall portions to normally par-tially obstruct passage of a wire through said slot to retain the wire in said passage. 60

**Classifications:**

**International (IPC 8-9):** H01B17/14 (Advanced/Invention);  
H01B17/14 (Core/Invention)

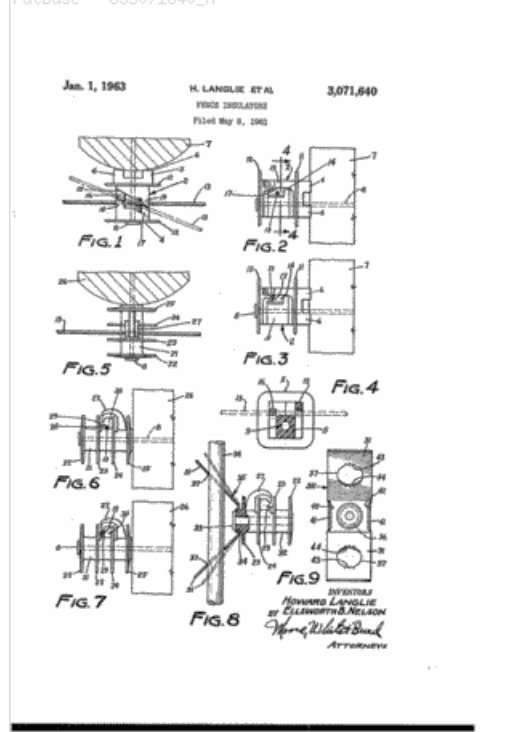
**International (IPC 1-7):** H01B17/24

**CPC:** H01B17/145

**European:** H01B17/14B

**US:** 174/158F 174/161F 174/175

PatBase - US3071640\_A

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US3071640 A        | 19630101         | US19610108329      | 19610508         |

**Priority:**

US19610108329 19610508

**Probable Assignee:** WATERS INSTRUMENTS INC

**Assignee(s):** (std): NORTH CENTRAL PLASTICS INC

**Assignee(s):** WATERS INSTRUMENTS INC

**Inventor(s):** (std): HOWARD LANGLEIE ; NELSON ELLSWORTH B

**Inventor(s):** LANGLEIE HOWARD

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details                                                                                                                                                                                    |
|-------------|---------------|-------------|------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US3071640 A | 19630101      | LSGT        | +    | granted / extensions (spc, cpc, pte) |                                                                                                                                                                                            |
| US3071640 A | 20010827      | LSAS        | AS   | ASSIGNMENT                           | PARTYTYPE : OWNER<br>OWNER : WATERS INSTRUMENTS, INC., MINNESOTA<br>OLDPARTY : MERGER; ASSIGNOR:NORTH CENTRAL PLASTICS, INCORPORATED;<br>REEL/FRA:012110/0163<br>EFFECTIVE DATE : 20010806 |

**Title:** SCHRAUBGERAET ZUM EINSCHRAUBEN VON WEIDEZAUNISOLATOREN Screwdriving BOLT FROM THE PASTURE FENCE **INSULATORS** (Machine translation)

**Abstract:** Source: DE8222154U1 [DE] (Claim 1) Selraubgeraet zum Einschrauben von Weidezaunisolatoren Ansprueche 1. Schraubgeraet zum Einschrauben von Weidezaunisolatoren mit einen oesenfoermigen Kopf, dadurch gekennzeichnet, dass eine huelsenfoermige rechteckige Aufnahme (5) vorgesehen ist, in die der Kopf (8) des Weidezaunisolatore formschluessig einsteckbar ist.

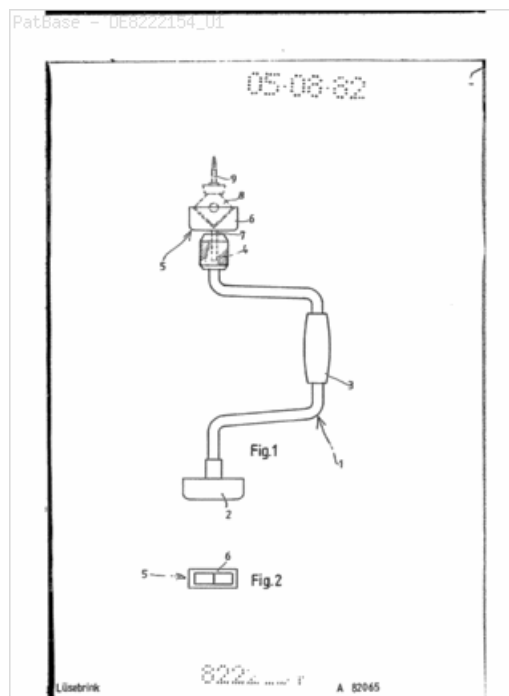
**Machine translation:** (Claim 1) Selraubgeraet for screwing claims of fence **insulators** first Torque tool for screwing fence **insulators** with one eye-shaped head, characterized in that a pretty edgy huelsenfoermige Up (5) is provided in which the head (8) of the pasture fence **insulator** is form-fitting inserted.

**Classifications:**

**International (IPC 8-9):** B25B13/48 (Advanced/Invention);

B25B13/00 (Core/Invention)

**International (IPC 1-7):** B25B13/48



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE8222154 U1       | 19830127         | DE19820022154U     | 19820805         |

**Priority:**

DE19820022154U 19820805

**Probable Assignee:** LUESEBRINK KARL OTTO 5277 MARIENHEIDE DE

**Assignee(s):** LUESEBRINK KARL OTTO 5277 MARIENHEIDE DE

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| DE8222154 U1 | 19830127      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** A CABLE REEL

**Abstract:** A Hand held Cable reel is provided comprising a central cable receiving core mounted between a pair of disc-like flanges having through holes for receiving cable which can then be anchored on the flange by, for example, wrapping it round one of the handles which are offset from the core and each other to facilitate the winding and unwinding of the cable. This invention features an electrically conductive elongate strip passing from the cable receiving core area of the Cable Reel to a point on the external surface of the Cable Reel and thus provide electrical continuity between an external electric pulse source to the partially unwound **electric fence** tape, wire or other conductive non insulated cable on the cable receiving core of the Cable Reel.

**Classifications:**

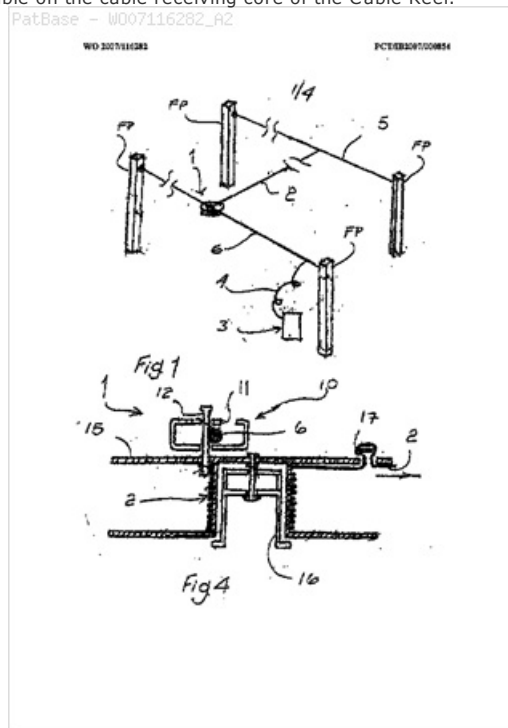
**International (IPC 8-9):** A01K3/00 B65H75/44

H02G11/02 (Advanced/Invention);

A01K3/00 B65H75/38 H02G11/00 (Core/Invention)

**CPC:** A01K3/005 B65H75/446 B65H2701/364 H02G11/02

**European:** A01K3/00C B65H75/44F2 H02G11/02 L65H701/364



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| EP2049426 A2       | 20090422         | EP20070734175      | 20070403         |
| WO07116282 A2      | 20071018         | WO2007IB00854      | 20070403         |
| WO07116282 A3      | 20071221         | WO2007IB00854      | 20070403         |

**Priority:**

WO2006IE00270 20060407 WO2007IB00854 20070403

**Probable Assignee:** FLEMING THOMAS WILLIAM

**Assignee(s):** (std): FLEMING THOMAS WILLIAM

**Inventor(s):** (std): FLEMING THOMAS WILLIAM

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

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code  | Event                                           | Details                   |
|--------------|---------------|-------------|-------|-------------------------------------------------|---------------------------|
| EP2049426 A2 | 20090422      | LSPB        | +     | published / reissued                            |                           |
| EP2049426 A2 | 20090422      | LSES        | +17P  | REQUEST FOR EXAMINATION FILED                   | EFFECTIVE DATE : 20090223 |
| EP2049426 A2 | 20090722      | LSES        | +17Q  | FIRST EXAMINATION REPORT DESPATCHED             | EFFECTIVE DATE : 20090617 |
| EP2049426 A2 | 20091007      | LSES        | +R17C | FIRST EXAMINATION REPORT DESPATCHED (CORRECTED) | EFFECTIVE DATE : 20090903 |
| EP2049426 A2 | 20100908      | LSDW        | -18D  | APPLICATION DEEMED TO BE WITHDRAWN              | EFFECTIVE DATE : 20100316 |

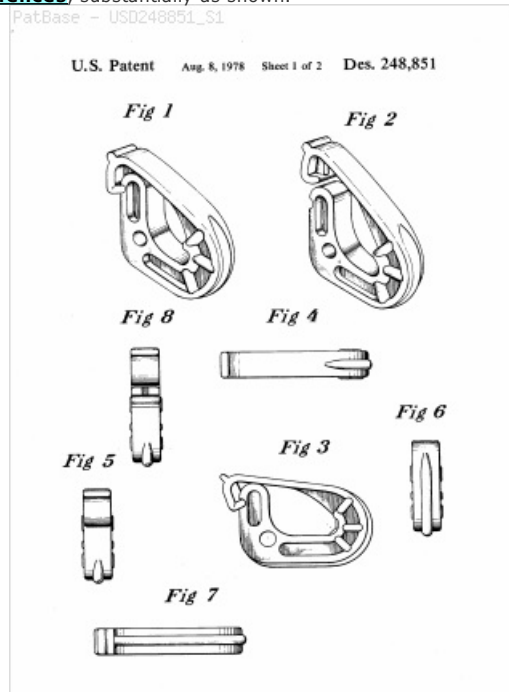
|               |          |      |      |                                                |                                                                        |
|---------------|----------|------|------|------------------------------------------------|------------------------------------------------------------------------|
| WO07116282 A2 | 20071018 | LSPB | +    | published / reissued                           |                                                                        |
| WO07116282 A3 | 20081008 | LSNE | NENP | NON-ENTRY INTO THE NATIONAL<br>PHASE IN:       | REF COUNTRY CODE :<br>DE                                               |
| WO07116282 A3 | 20090223 | LSNP | +WWE | WIPO INFORMATION: ENTRY INTO<br>NATIONAL PHASE | REF DOCUMENT<br>NUMBER : 2007734175<br>COUNTRY OF REF<br>DOCUMENT : EP |

Title: CORNER **INSULATOR** FOR **ELECTRIC FENCES**

**Abstract:** 1. The ornamental design for a corner **insulator** for **electric fences**, substantially as shown.

**Classifications:**

**US:** D13/132 D13/18



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| USD248851 S1       | 19780808         | US19760709884F     | 19760729         |

#### Priority:

US19760709884F 19760729

#### Probable Assignee:

BERG JR ALBERT T

#### Assignee(s): (std):

BERG JR ALBERT T ; LANGLIE HOWARD

#### Inventor(s): (std):

LANGLIE HOWARD ; BERG JR ALBERT T

#### Inventor(s):

BERG JR

#### Legal status (INPADOC)

[View legal status timeline](#)

| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| USD248851 S1 | 19780808      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| USD248851 S1 | 19920808      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** ELECTRIC WIRE **INSULATOR** AND SUPPORT BRACKET FOR METAL FENCE POSTS

**Abstract:** An electric wire **insulator** and support bracket for metal fence posts having a cylindrical bracket arm slotted along its length to receive and be mounted on a flange of a steel fence post. Tie holes are located at each side of the slot for positioning a tie member for securing the bracket to the post. Wire retention slots are located in each end of the arm for supporting **electric fence** wires and retention pins confine the wires in the slots.

**Classifications:**

**International (IPC 8-9):** A01K3/00 E04H17/10 H01B17/14 H01B17/58 (Advanced/Invention);

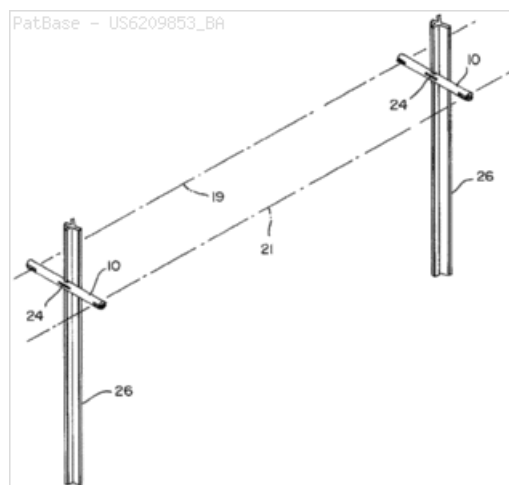
A01K3/00 E04H17/02 H01B17/14 H01B17/58 (Core/Invention)

**International (IPC 1-7):** E04H1/710 E04H17/10

**CPC:** A01K3/005 E04H17/10 H01B17/145 H01B17/58

**European:** A01K3/00C E04H17/10 H01B17/14B H01B17/58

**US:** 174/158F 256/10



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US6209853 BA       | 20010403         | US19980217597      | 19981221         |

**Priority:**

US19970068437P 19971222 US19980217597 19981221

**Probable Assignee:**

ROY DUANE L

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

ROY DUANE L

**Assignee(s):**

ROY LEWIS

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

ROY DUANE L ; ROY LEWIS

**Inventor(s):**

DUANE L ROY ; LEWIS ROY

**Agent(s):**

DOWREY AND ASSOCIATES

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code  | Event                                                                   | Details                                                                        |
|--------------|---------------|-------------|-------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| US6209853 BA | 20010403      | LSGT        | +     | granted / extensions (spc, cpc, pte)                                    |                                                                                |
| US6209853 BA | 20040503      | LSFE        | +FPAY | FEE PAYMENT                                                             | YEAR OF FEE PAYMENT : 4                                                        |
| US6209853 BA | 20090403      | LSLE        | -LAPS | LAPSE FOR FAILURE TO PAY MAINTENANCE FEES                               |                                                                                |
| US6209853 BA | 20090504      | LSLE        | -PEX1 | Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362 |                                                                                |
| US6209853 BA | 20090504      | LSLE        | -STCH | INFORMATION ON STATUS: PATENT DISCONTINUATION                           | TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362 |
| US6209853 BA | 20090526      | LSLE        | -FP   | EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE                           | EFFECTIVE DATE : 20090403                                                      |
| US6209853 BA | 20181221      | PEXP        |       | Calculated Patent Term Expiry                                           |                                                                                |

**Title:** ELEKTRISCHER WEIDEZAUN, INSBESONDERE WILDSCHUTZZAUN **Electric fence**, INCLUDING GAME PROTECTION FENCE (Machine translation)

**Abstract:** Source: DE8125546U1 [DE] (Claim 1) 1. Elektrischer Weidezaun, insbesondere Wildschutzzaun, mit mehreren in den Boden einsteckbaren Pfählen zur isolierenden Aufnahme mindestens eines an ein elektrisches Schaltgeräet angeschlossenen Drahtes, dadurch gekennzeichnet, dass der Boden unterhalb des Drahtes (8,9) mit einer aus elektrisch leitendem Werkstoff gebildeten oder be- schichteten Folien-oder wasserfesten Papierbahn (3) abgedeckt und die elektrisch leitende Schicht der Folien- oder Papierbahn (3) beispielsweise an den Nulleiter des Schaltgeräetes (10) anschliessbar ist.

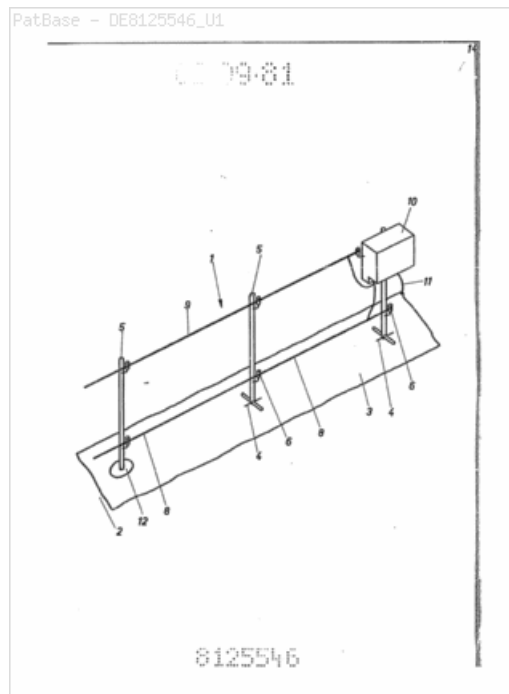
**Machine translation:** (Claim 1) 1 **Electric fence**, especially wildlife fence, with several insertable into the ground stilts for insulating receiving at least one of an electrical Schaltgeräet connected wire, characterized in that the soil below the wire (8.9) with an electrically conductive material formed or the coated film or waterproof paper web (3) covered, and the electrically conductive layer of foil or paper web (3) For example, the neutral conductor of the switching device (10) is connectable.

**Classifications:**

**International (IPC 8-9):** A01K3/00 E04H17/20 (Advanced/Invention);  
A01K3/00 E04H17/14 (Core/Invention)

**International (IPC 1-7):** A01K3/00 E04H17/20

**CPC:** A01K3/005



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE8125546 U1       | 19811210         | DE19810025546U     | 19810902         |

**Priority:**

DE19810025546U 19810902

**Probable Assignee:**

RISCHE KARL 5249 HAMM DE

**Assignee(s):**

RISCHE KARL 5249 HAMM DE

**Legal status (INPADOC)**

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| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| DE8125546 U1 | 19811210      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| DE8125546 U1 | 19910902      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** **ELECTRIC FENCE** SYSTEM AND COMPONENTS THEREOF

**Abstract:** An **electric fence** system including a control module and a separate monitoring module and/or an energiser module. The provision of at least one wireless communication link between modules provides electrical isolation. Providing the energiser and monitoring module as separate units overcomes isolation requirements for combined energiser/monitors. The control module may display status information for associated modules based on status information communicated by the associated module. There is also disclosed methods of monitoring pulses applied to an **electric fence** and for controlling interference.

**Classifications:**

**International (IPC 8-9):** A01K A01K3/00 G08B G08B25/04 H02M9/00

H04B H04B13/00 H04B3/00 H05C1/00 (Advanced/Invention);

A01K3/00 G08B25/01 H02M9/00 H04B13/00 H04B3/00

H05C1/00 (Core/Invention)

**CPC:** A01K3/005 G08B13/122

**European:** A01K3/00C G08B13/12F

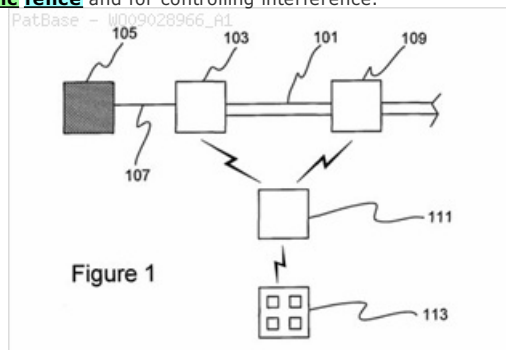


Figure 1

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2008293136 AA    | 20090305         | AU20080293136      | 20080822         |
| AU2008293136 BB    | 20131010         | AU20080293136      | 20080822         |
| AU2013273826 AA    | 20140116         | AU20130273826      | 20131223         |
| AU2013273826 BB    | 20161222         | AU20130273826      | 20131223         |
| AU2016266067 AA    | 20161222         | AU20160266067      | 20161202         |
| CL2008002496 A1    | 20100611         | CL20080002496      | 20080822         |
| NZ560968 A         | 20100625         | NZ20070560968      | 20070824         |
| NZ583589 A         | 20120224         | NZ20080583589      | 20080826         |
| WO09028966 A1      | 20090305         | WO2008NZ00221      | 20080822         |
| ZA201002005 A      | 20110525         | ZA20100002005      | 20100319         |

**Priority:**

NZ20070560968 20070824 AU20080293136 20080822 WO2008NZ00221 20080822  
 NZ20080583589 20080826 AU20130273826 20131223 AU20160266067 20161202

**Probable Assignee:** TRU TEST LTD

**Assignee(s):** (std): TRU TEST LTD ; TRU TRUST LTD ; WOODHEAD ROBERT CHARLES BRYAN ; DATAMARS SA

**Assignee(s):** TRU TEST LIMITED

**Inventor(s):** (std): WOODHEAD ROBERT CHARLES BRYAN ; ROBERT CHARLES BRYAN WOODHEAD

**Agent(s):** ELLIS TERRY; ALBAGLI ZALIASNIK AND CIA; DON HOPKINS AND ASSOCIATES ET AL

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

**Legal status (INPADOC)**

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| Patent          | Date recorded | Event group | Code | Event                                              | Details                                                                                      |
|-----------------|---------------|-------------|------|----------------------------------------------------|----------------------------------------------------------------------------------------------|
| AU2008293136 AA | 20090305      | LSPB        | +    | published / reissued                               |                                                                                              |
| AU2008293136 BB | 20131010      | LSGT        | +    | granted / extensions (spc, cpc, pte)               |                                                                                              |
| AU2008293136 BB | 20140206      | LSGT        | +FGA | LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT) |                                                                                              |
| AU2008293136 BB | 20190321      | LSAS        | PC   | ASSIGNMENT REGISTERED                              | PARTYTYPE : OWNER<br>OWNER : DATAMARS SA<br>OLDPARTY : FORMER<br>OWNER(S) : TRU-TEST LIMITED |
| AU2008293136 BB | 20280822      | PEXP        |      | Calculated Patent Term Expiry                      |                                                                                              |
| AU2013273826 AA | 20140116      | LSPB        | +    | published / reissued                               |                                                                                              |
| AU2013273826 BB | 20161222      | LSGT        | +    | granted / extensions (spc, cpc, pte)               |                                                                                              |

|                 |          |      |        |                                                                                             |                                                                                                                           |
|-----------------|----------|------|--------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| AU2013273826 BB | 20170420 | LSGT | +FGA   | LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)                                          |                                                                                                                           |
| AU2013273826 BB | 20190321 | LSAS | PC     | ASSIGNMENT REGISTERED                                                                       | PARTYTYPE : OWNER<br>OWNER : DATAMARS SA<br>OLDPARTY : FORMER<br>OWNER(S): TRU-TEST LIMITED                               |
| AU2013273826 BB | 20331223 | PEXP |        | Calculated Patent Term Expiry                                                               |                                                                                                                           |
| AU2016266067 AA | 20161222 | LSPB | +      | published / reissued                                                                        |                                                                                                                           |
| AU2016266067 AA | 20190321 | LSAS | PC1    | ASSIGNMENT BEFORE GRANT (SECT. 113)                                                         | PARTYTYPE : OWNER<br>OWNER : DATAMARS SA<br>OLDPARTY : FORMER<br>APPLICANT(S): TRU-TEST LIMITED                           |
| AU2016266067 AA | 20190328 | LSLE | -MK5   | APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED |                                                                                                                           |
| CL2008002496 A1 | 20100611 | LSPB | +      | published / reissued                                                                        |                                                                                                                           |
| NZ560968 A      | 20100625 | LSPB | +      | published / reissued                                                                        |                                                                                                                           |
| NZ560968 A      | 20101029 | LSGT | +PSEA  | PATENT SEALED                                                                               |                                                                                                                           |
| NZ560968 A      | 20120928 | LSFE | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)                                                             |                                                                                                                           |
| NZ560968 A      | 20140926 | LSFE | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)                                                             | TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 26 AUG 2021 BY PATENT + TRADE MARK RENEWAL SERVICES LTD EFFECTIVE DATE : 20140902 |
| NZ560968 A      | 20140926 | LSFE | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)                                                             | TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 26 AUG 2018 BY PATENT + TRADE MARK RENEWAL SERVICES LTD EFFECTIVE DATE : 20140902 |
| NZ560968 A      | 20140926 | LSFE | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)                                                             | TEXT : PATENT RENEWED FOR 7 YEARS UNTIL 26 AUG 2028 BY PATENT + TRADE MARK RENEWAL SERVICES LTD EFFECTIVE DATE : 20140902 |
| NZ560968 A      | 20190329 | LSAS | ASS    | CHANGE OF OWNERSHIP                                                                         | PARTYTYPE : OWNER<br>OWNER : DATAMARS SA, CH<br>EFFECTIVE DATE : 20190313                                                 |
| NZ583589 A      | 20120224 | LSPB | +      | published / reissued                                                                        |                                                                                                                           |
| NZ583589 A      | 20120629 | LSGT | +PSEA  | PATENT SEALED                                                                               |                                                                                                                           |
| NZ583589 A      | 20121026 | LSFE | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)                                                             |                                                                                                                           |
| NZ583589 A      | 20140926 | LSFE | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)                                                             | TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 26 AUG 2021 BY PATENT + TRADE MARK RENEWAL SERVICES LTD EFFECTIVE DATE : 20140902 |
| NZ583589 A      | 20140926 | LSFE | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)                                                             | TEXT : PATENT RENEWED FOR 7 YEARS UNTIL 26 AUG 2028 BY PATENT + TRADE MARK RENEWAL SERVICES LTD EFFECTIVE DATE : 20140902 |
| NZ583589 A      | 20140926 | LSFE | +RENEW | RENEWAL (RENEWAL FEES ACCEPTED)                                                             | TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 26 AUG 2018 BY PATENT + TRADE MARK RENEWAL SERVICES LTD EFFECTIVE DATE : 20140902 |
| NZ583589 A      | 20190329 | LSAS | ASS    | CHANGE OF OWNERSHIP                                                                         | PARTYTYPE : OWNER<br>OWNER : DATAMARS SA, CH<br>EFFECTIVE DATE : 20190313                                                 |
| WO09028966 A1   | 20090305 | LSPB | +      | published / reissued                                                                        |                                                                                                                           |
| WO09028966 A1   | 20100225 | LSNE | NENP   | NON-ENTRY INTO THE NATIONAL PHASE IN:                                                       | REF COUNTRY CODE : DE                                                                                                     |

|               |          |      |      |                                                     |                                                                                                                                                                           |
|---------------|----------|------|------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WO09028966 A1 | 20100318 | LSNP | +WWE | WIPO INFORMATION:<br>ENTRY INTO NATIONAL<br>PHASE   | REF DOCUMENT NUMBER :<br>2008293136<br>COUNTRY OF REF DOCUMENT<br>: AU                                                                                                    |
| WO09028966 A1 | 20100324 | LSNP | +WWE | WIPO INFORMATION:<br>ENTRY INTO NATIONAL<br>PHASE   | REF DOCUMENT NUMBER : PI<br>2010000817<br>COUNTRY OF REF DOCUMENT<br>: MY                                                                                                 |
| WO09028966 A1 | 20100408 | LSNP | ENP  | ENTRY INTO THE NATIONAL<br>PHASE                    | REF DOCUMENT NUMBER :<br>2008293136<br>COUNTRY OF REF DOCUMENT<br>: AU<br>DATE OF REF DOCUMENT :<br>20080822<br>KIND CODE OF REF<br>DOCUMENT : A<br>DESIGNATED STATE(S) : |
| WO09028966 A1 | 20100929 | LSNE | -122 | EP: PCT APPLICATION NON-<br>ENTRY IN EUROPEAN PHASE | REF DOCUMENT NUMBER :<br>08828789<br>COUNTRY OF REF DOCUMENT<br>: EP<br>KIND CODE OF REF<br>DOCUMENT : A1<br>DESIGNATED STATE(S) :                                        |
| ZA201002005 A | 20110525 | LSGT | +    | granted / extensions (spc,<br>cpc, pte)             |                                                                                                                                                                           |
| ZA201002005 A | 20300318 | PEXP |      | Calculated Patent Term<br>Expiry                    |                                                                                                                                                                           |

**Title:** Improvements in or relating to electric **insulators**

**Abstract:** 686,348. **Insulators**. NIELD, D. Nov. 1, 1951 [Nov. 15, 1950], No. 27883/50. Class 36. A moulded plastic **insulator** is formed with one or more deep grooves 1 having thin walls 2 which will flex under strain. An integral boss 4 spaces the **insulator** from a support 5 to which it is secured as by means of a screw or bolt 6.

**Classifications:**

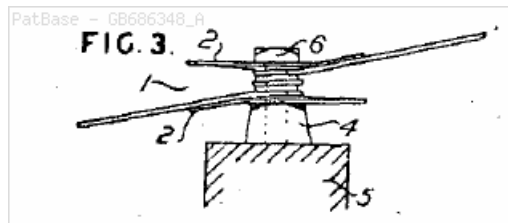
**International (IPC 8-9):** H01B17/14 (Advanced/Invention);

H01B17/14 (Core/Invention)

**International (IPC 1-7):** H01B17/24

**CPC:** H01B17/14

**European:** H01B17/14



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB686348 A         | 19530121         | GB19500027883      | 19501115         |

**Priority:**

GB19500027883 19501115

**Probable Assignee:**

DOUGLAS NIELD

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

DOUGLAS NIELD

**Legal status (INPADOC)**

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| Patent     | Date recorded | Event group | Code | Event                                | Details |
|------------|---------------|-------------|------|--------------------------------------|---------|
| GB686348 A | 19530121      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| GB686348 A | 19701115      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** ISOLATEUR **INSULATOR** (Machine translation)

**Abstract:** Source: FR1271237A [FR] (Claim 1) 1 Cet isolateur, utilisable notamment pour l'installation volante de clatures électriques, comprenant une embase destinée à venir en contact avec le support de l'isolateur, tel qu'un piquet, est caractérisé en ce que son embase comprend une gorge annulaire transversale, c'est-à-dire située dans un plan perpendiculaire à l'axe longitudinal de l'isolateur qui est perpendiculaire à la surface sur laquelle prend appui cet isolateur, cette gorge annulaire étant destinée à recevoir, lors de la fixation de l'isolateur, un fil de fer ou autre moyen analogue faisant tout le tour de l'isolateur. " L'invention est en outre caractérisée par les points suivants, considérés seuls ou en combinaison

**Machine translation:** (Claim 1) 1 This isolator, used especially for the in-stallation nomenclatures of flying electric, comprising a base adapted to come into contact with the support of the **insulator**, such as a picket, is characterized in that includes its base. an annular groove section, that is to say located in a plane perpendicular to the longitudinal axis of the insulation. for which is perpendicular to the surface on which rests this **insulator**, this groove CIRCULAIRE being designed to receive, when fixing the **insulator**, a wire or other means analogous around of the **insulator**. 'The invention is further characterized by the following points. Regarded singly or in combination

**Classifications:**

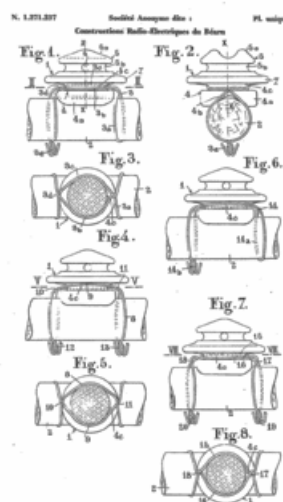
**International (IPC 8-9):** H01B17/14 (Advanced/Invention);  
H01B17/14 (Core/Invention)

**International (IPC 1-7):** H01B17/22

**CPC:** H01B17/145

**European:** H01B17/14B

PatBase - FR1271237\_A



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR1271237 A        | 19610908         | FR19600834415      | 19600729         |

**Priority:**

FR19600834415 19600729

**Probable Assignee:** CONST RADIO ELECTR DU BEARN

**Assignee(s): (std):** CONST RADIO ELECTR DU BEARN

**Assignee(s):** CONSTRUCTIONS RADIO ELECTRIQUES DU BEARN

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code | Event                                | Details |
|-------------|---------------|-------------|------|--------------------------------------|---------|
| FR1271237 A | 19610908      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |
| FR1271237 A | 19800729      | PEXP        |      | Calculated Patent Term Expiry        |         |

**Title:** **Electric fence insulator** adaptor and fence **insulator** combined therewith

**Abstract:** An adaptor for converting an **electric fence** post **insulator** from a wire electric conductor support to a tape conductor support. The adaptor connects to the wire holding fingers of the **insulator**.

**Classifications:**

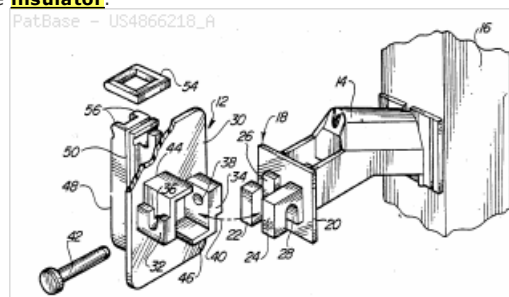
**International (IPC 8-9):** H01B17/14 (Advanced/Invention);  
H01B17/14 (Core/Invention)

**International (IPC 1-7):** A01K3/00 H01B17/16

**CPC:** H01B17/145

**European:** H01B17/14B

**US:** 174/158F 174/171 256/10



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US4866218 A        | 19890912         | US19880251291      | 19880930         |

**Priority:**

US19880251291 19880930

**Probable Assignee:** DARE PRODUCTS INC A CORP OF MI

**Assignee(s):** (std): DARE PRODUCTS INC

**Assignee(s):** DARE PRODUCTS INC A CORP OF MI

**Inventor(s):** (std): WILSON JR ROBERT M

**Legal status (INPADOC)**

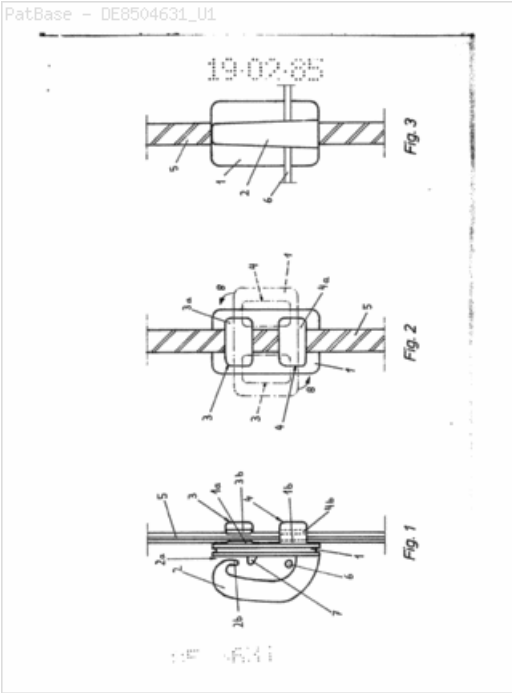
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| Patent      | Date recorded | Event group | Code  | Event                                                                   | Details                                                                                                                                                                                                                      |
|-------------|---------------|-------------|-------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US4866218 A | 19890912      | LSGT        | +     | granted / extensions (spc, cpc, pte)                                    |                                                                                                                                                                                                                              |
| US4866218 A | 19880930      | LSAS        | AS    | ASSIGNMENT                                                              | PARTYTYPE : OWNER<br>OWNER : DARE PRODUCTS, INC., 860 BETTERLY RD. P.O. BOX 157<br>OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.;<br>ASSIGNOR: WILSON, ROBERT M. JR.;<br>REEL/FRAME: 004957/0603<br>EFFECTIVE DATE : 19880923 |
| US4866218 A | 19880930      | LSAS        | AS    | ASSIGNMENT                                                              | PARTYTYPE : OWNER<br>OWNER : DARE PRODUCTS, INC., A CORP. OF MI, MICHIGAN<br>OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;<br>ASSIGNOR: WILSON, ROBERT M. JR.;<br>REEL/FRAME: 004957/0603<br>EFFECTIVE DATE : 19880923        |
| US4866218 A | 19890802      | LSGT        | PAT1  | Patented Case                                                           |                                                                                                                                                                                                                              |
| US4866218 A | 19921109      | LSFE        | +FPAY | FEE PAYMENT                                                             | YEAR OF FEE PAYMENT : 4                                                                                                                                                                                                      |
| US4866218 A | 19970914      | LSLE        | -LAPS | LAPSE FOR FAILURE TO PAY MAINTENANCE FEES                               |                                                                                                                                                                                                                              |
| US4866218 A | 19971125      | LSLE        | -FP   | EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE                           | EFFECTIVE DATE : 19970917                                                                                                                                                                                                    |
| US4866218 A | 20180129      | LSLE        | -PEX1 | Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362 |                                                                                                                                                                                                                              |
| US4866218 A | 20180129      | LSLE        | -STCH | INFORMATION ON STATUS: PATENT DISCONTINUATION                           | TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362                                                                                                                                               |

**Abstract:** Source: DE8504631U1 [DE] (Claim 1) 1. Haltevorrichtung fuer einen Draht eines Weide- zaunes, insbesondere eine als Isolator aus- gebildete Haltevorrichtung fuer einen Weidezaundraht d e k e n n z e i c h n e t, dass die Haltevorrichtung fuer den Draht (6) aus einem Traegererelement (1) besteht, das auf einer Seite vorzugsweise zwei klauenfoermige Klemm- elemente (3 und 4) und auf der anderen Seite eine oese (2) aufweist.

**Machine translation:** (Claim 1) 1 Holding device for a wire of a pasture fence, especially one as an **insulator** for in-formed retainer dgekennzeichnet an **electric fence** wire to the fixture for the wire (6) from a Traegererelement (1) is that on one side, preferably two klauenfoermige clamping elements (3 and 4) and on the other hand, one eye (2).

**Classifications:**  
**International (IPC 8-9):** H01B17/14 (Advanced/Invention); H01B17/14 (Core/Invention)  
**International (IPC 1-7):** A01K3/00 E04H17/10 H01B17/14  
**CPC:** H01B17/14  
**European:** H01B17/14



Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE8504631 U1       | 19850530         | DE19850004631U     | 19850219         |

Priority:

DE19850004631U 19850219

**Probable Assignee:** GOEBEL FRITZ 3542 WILLINGEN DE

**Assignee(s):** GOEBEL FRITZ 3542 WILLINGEN DE

Legal status (INPADOC)

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| Patent       | Date recorded | Event group | Code | Event                                | Details |
|--------------|---------------|-------------|------|--------------------------------------|---------|
| DE8504631 U1 | 19850530      | LSGT        | +    | granted / extensions (spc, cpc, pte) |         |

**Title:** Electrified fence gate

**Abstract:** An electrified fence gate including a tensioned flexible support wire extending horizontally across a fence gate opening, at a height greater than that of vehicles normally intended to pass through the opening, a series of spaced gate wires connected at their upper ends to the support wire and depending closely adjacent but not engaging the road surface, and a fence charger operable to charge the wires with a shocking electric charge. Vehicles, insulated from the ground by their rubber tires, may thus pass freely through the gate without stopping, merely deflecting the hanging wires, but any livestock attempting to pass through, being grounded, will receive an electric shock whenever they touch any of the hanging gate wires, and hence be driven away from the gate.

**Classifications:**

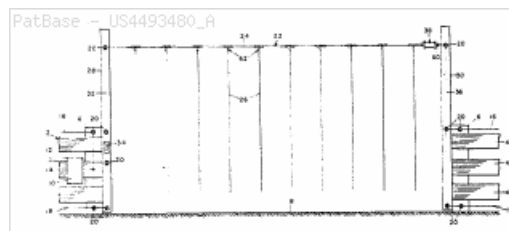
**International (IPC 8-9):** A01K3/00 (Advanced/Invention);  
A01K3/00 (Core/Invention)

**International (IPC 1-7):** A01K3/0

**CPC:** A01K1/0017 A01K3/005

**European:** A01K1/00A2 A01K3/00C

**US:** 256/10 256/23 49/59



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US4493480 A        | 19850115         | US19830531865      | 19830914         |

**Priority:**

US19830531865 19830914

**Probable Assignee:**

NICHOL BUD

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

NICHOL BUD

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

NICHOL BUD

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code  | Event                                                                   | Details                                                                        |
|-------------|---------------|-------------|-------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| US4493480 A | 19850115      | LSGT        | +     | granted / extensions (spc, cpc, pte)                                    |                                                                                |
| US4493480 A | 19890115      | LSLE        | -LAPS | LAPSE FOR FAILURE TO PAY MAINTENANCE FEES                               |                                                                                |
| US4493480 A | 19890115      | LSLE        | -PEX1 | Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362 |                                                                                |
| US4493480 A | 19890115      | LSLE        | -STCH | INFORMATION ON STATUS: PATENT DISCONTINUATION                           | TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362 |
| US4493480 A | 19890404      | LSLE        | -FP   | EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE                           | EFFECTIVE DATE : 19880115                                                      |

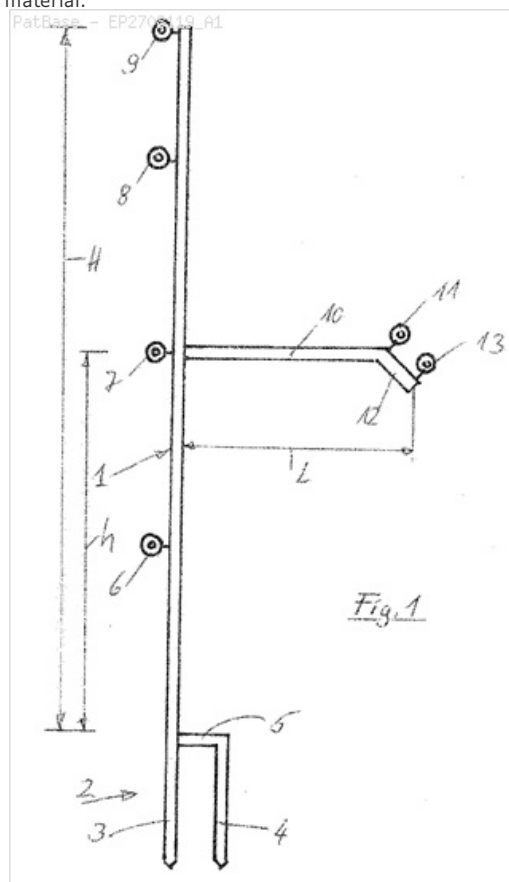
**Title:** FENCE POST FOR HOLDING OF **ELECTRIC FENCE** WIRES ON LIVESTOCK FIELDS PIQUET DE CLOTURE DESTINE A SUPPORTER DES FILS DE CLOTURE ELECTR

**Abstract:** The fence post (1) has **insulators** (6-9), and a projecting arms (10) that are extending along transverse direction. The **insulators** (11,13) are provided at free ends of the fence post main structure. The projecting arms are arranged approximately at half of the vertical height (h) of the fence post main structure. A metallic component is welded at the regions of projecting arms of the fence post main structure. The projecting arms are made of plastic material.

**Classifications:**

**International (IPC 8-9):** A01K3/00 E04H17/08 E04H17/10 E04H17/20 (Advanced/Invention)

**CPC:** E04H17/08 E04H17/10 A01K3/005



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| DE202012009353 U1  | 20130131         | DE201220009353U    | 20120913         |
| EP2708119 A1       | 20140319         | EP20130184083      | 20130912         |

**Priority:**

DE201220009353U 20120913

**Probable Assignee:** MAHIEDDINE TINO

**Assignee(s):** (std): MAHIEDDINE TINO

**Assignee(s):** MAHIEDDINE

**Inventor(s):** (std): MAHIEDDINE TINO

**Agent(s):** WABLAT LANGE KARTHAUS

**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

**Legal status (INPADOC)**

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| Patent            | Date recorded | Event group | Code  | Event                                                                             | Details                   |
|-------------------|---------------|-------------|-------|-----------------------------------------------------------------------------------|---------------------------|
| DE202012009353 U1 | 20130131      | LSGT        | +     | granted / extensions (spc, cpc, pte)                                              |                           |
| DE202012009353 U1 | 20130131      | LSGT        | R207  | UTILITY MODEL SPECIFICATION                                                       | EFFECTIVE DATE : 20130131 |
| DE202012009353 U1 | 20160302      | LSGT        | +R150 | UTILITY MODEL MAINTAINED AFTER PAYMENT OF FIRST MAINTENANCE FEE AFTER THREE YEARS |                           |

|                   |          |      |       |                                                                                        |                                 |
|-------------------|----------|------|-------|----------------------------------------------------------------------------------------|---------------------------------|
| DE202012009353 U1 | 20190308 | LSGT | +R151 | UTILITY MODEL MAINTAINED AFTER<br>PAYMENT OF SECOND MAINTENANCE FEE<br>AFTER SIX YEARS |                                 |
| DE202012009353 U1 | 20220913 | PEXP |       | Calculated Patent Term Expiry                                                          |                                 |
| EP2708119 A1      | 20140319 | LSPB | +     | published / reissued                                                                   |                                 |
| EP2708119 A1      | 20150624 | LSDW | -18D  | APPLICATION DEEMED TO BE WITHDRAWN                                                     | EFFECTIVE<br>DATE :<br>20140920 |

**Title:** TAPE SUPPORT

**Abstract:** This invention relates to a support means for tapes in general and **electric fence** tapes (9) in particular. The support means is comprised of two jaws (2,3) between which is a gripping means (8) made of a different material than the jaws (2,3) of the support means. The gripping means (8) is preferably more resilient and/or has a higher co-efficient of friction than the jaws (2,3), thereby providing a strong grip on the **electric fence** tape (9) without damaging the conductive wires therein.

**Classifications:**

**International (IPC 8-9):** A01K3/00 F16B2/06

H01B17/14 (Advanced/Invention);

F16B2/06 (Advanced/Non-invention);

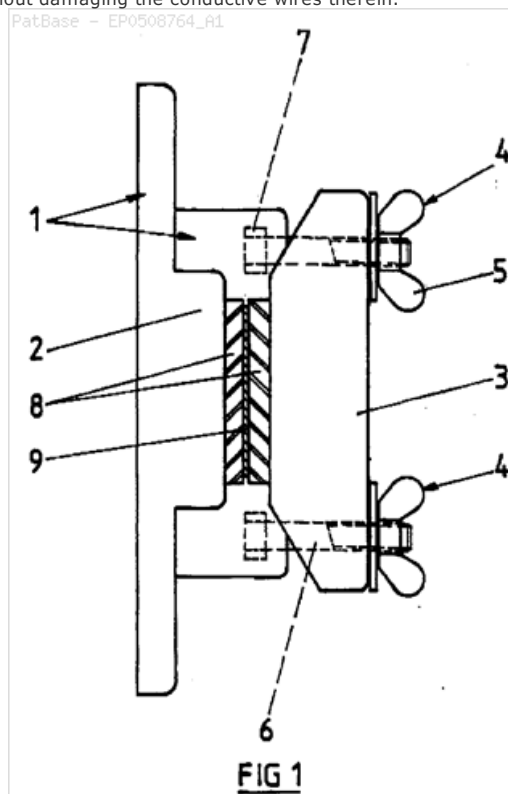
A01K3/00 H01B17/14 (Core/Invention);

F16B2/02 (Core/Non-invention)

**International (IPC 1-7):** A01K3/00 H01B17/14

**CPC:** A01K3/005 F16B2/065 H01B17/145

**European:** A01K3/00C H01B17/14B R16B2/06B



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU199214756 A1     | 19921015         | AU19920014756      | 19920409         |
| DE69200295 D1      | 19940908         | DE19926000295      | 19920409         |
| DE69200295 T2      | 19941124         | DE19926000295T     | 19920409         |
| EP0508764 A1       | 19921014         | EP19920303143      | 19920409         |
| EP0508764 B1       | 19940803         | EP19920303143      | 19920409         |

**Priority:**

NZ19910237768 19910409

**Probable Assignee:** GALLAGHER ELECTRONICS LTD

**Assignee(s):** (std): GALLAGHER ELECTRONICS LTD

**Assignee(s):** GALLAGHER ELECTRONICS LTD HAMILTON NZ ; GALLAGHER ELECTRONICS LIMITED

**Inventor(s):** (std): WALLEY JOHN LEONARD

**Inventor(s):** WALLEY JOHN LEONARD HAMILTON NZ ; JOHN LEONARD WALLEY

**Agent(s):** LORD AND CO

**Designated states:** BE DE FR GB LU NL

**Legal status (INPADOC)**

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| Patent         | Date recorded | Event group | Code  | Event                                   | Details |
|----------------|---------------|-------------|-------|-----------------------------------------|---------|
| AU199214756 A1 | 19921015      | LSPB        | +     | published / reissued                    |         |
| DE69200295 D1  | 19950831      | LSGT        | +8364 | NO OPPOSITION DURING TERM OF OPPOSITION |         |
| DE69200295 D1  | 19960411      | LSLE        | -8339 | CEASED/NON-PAYMENT OF THE ANNUAL FEE    |         |
| DE69200295 T2  | 19941124      | LSGT        | +     | granted / extensions (spc, cpc, pte)    |         |
| DE69200295 T2  | 20120409      | PEXP        |       | Calculated Patent Term Expiry           |         |

|              |          |      |       |                                                                                                          |                                                                                                                                           |
|--------------|----------|------|-------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| EP0508764 A1 | 19921014 | LSPB | +     | published / reissued                                                                                     |                                                                                                                                           |
| EP0508764 A1 | 19930505 | LSES | +17P  | REQUEST FOR EXAMINATION FILED                                                                            | EFFECTIVE DATE :<br>19930306                                                                                                              |
| EP0508764 A1 | 19930602 | LSES | +17Q  | FIRST EXAMINATION REPORT<br>DESPATCHED                                                                   | EFFECTIVE DATE :<br>19930419                                                                                                              |
| EP0508764 B1 | 19940803 | LSGT | +     | granted / extensions (spc, cpc,<br>pte)                                                                  |                                                                                                                                           |
| EP0508764 B1 | 19940803 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE<br>[ANNOUNCED VIA POSTGRANT<br>INFORMATION FROM NATIONAL<br>OFFICE TO EPO] | COUNTRY OF REF<br>DOCUMENT : BE<br>LAPSED DATE :<br>19940803                                                                              |
| EP0508764 B1 | 19950430 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE<br>[ANNOUNCED VIA POSTGRANT<br>INFORMATION FROM NATIONAL<br>OFFICE TO EPO] | COUNTRY OF REF<br>DOCUMENT : LU<br>NOTIFICATION OF LAPSE<br>: LAPSE BECAUSE OF<br>NON-PAYMENT OF DUE<br>FEES<br>LAPSED DATE :<br>19950430 |
| EP0508764 B1 | 19950726 | LSGT | +26N  | NO OPPOSITION FILED                                                                                      |                                                                                                                                           |
| EP0508764 B1 | 19951101 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE<br>[ANNOUNCED VIA POSTGRANT<br>INFORMATION FROM NATIONAL<br>OFFICE TO EPO] | COUNTRY OF REF<br>DOCUMENT : NL<br>LAPSED DATE :<br>19951101                                                                              |
| EP0508764 B1 | 19951229 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE<br>[ANNOUNCED VIA POSTGRANT<br>INFORMATION FROM NATIONAL<br>OFFICE TO EPO] | COUNTRY OF REF<br>DOCUMENT : FR<br>LAPSED DATE :<br>19951229                                                                              |
| EP0508764 B1 | 19960102 | LSLE | -NLV4 | NL: LAPSED OR ANULLED DUE TO<br>NON-PAYMENT OF THE ANNUAL FEE                                            | REF COUNTRY CODE :<br>EP<br>EFFECTIVE DATE :<br>19951101                                                                                  |
| EP0508764 B1 | 19960103 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE<br>[ANNOUNCED VIA POSTGRANT<br>INFORMATION FROM NATIONAL<br>OFFICE TO EPO] | COUNTRY OF REF<br>DOCUMENT : DE<br>LAPSED DATE :<br>19960103                                                                              |
| EP0508764 B1 | 19960329 | LSLE | REG   | REFERENCE TO A NATIONAL CODE                                                                             | REF COUNTRY CODE :<br>FR<br>REF LEGAL EVENT CODE<br>: ST                                                                                  |
| EP0508764 B1 | 19960409 | LSLE | -PG25 | LAPSED IN A CONTRACTING STATE<br>[ANNOUNCED VIA POSTGRANT<br>INFORMATION FROM NATIONAL<br>OFFICE TO EPO] | COUNTRY OF REF<br>DOCUMENT : GB<br>LAPSED DATE :<br>19960409                                                                              |
| EP0508764 B1 | 19961127 | LSLE | -GBPC | GB: EUROPEAN PATENT CEASED<br>THROUGH NON-PAYMENT OF<br>RENEWAL FEE                                      | REF COUNTRY CODE :<br>EP<br>EFFECTIVE DATE :<br>19960409                                                                                  |
| EP0508764 B1 | 20120409 | PEXP |       | Calculated Patent Term Expiry                                                                            |                                                                                                                                           |

**Title:** WIRE COLLECTING AND LAYING-OUT DEVICE

**Abstract:** 1504509 Paying out cables J H TAYLOR and E TAYLOR 27 March 1975 [1 April 1974] 14419/74 Heading B8M A device for paying out or collecting wire, especially wire for **electric fences**, comprises a tubular chassis supported by a ground wheel 4 the rotation of which drives a reel 11 through a shaft 7 carrying spokes which engage the periphery of wheel 4. The transmission ratio may be varied by adjusting the engagement of spokes of spider wheels 13, 14 with the wheel 4 through a lever 15 which adjusts the height of the shaft 7 above the wheel 4. One of the wheels 13 is axially adjustable along the shaft 7 and lockable in adjusted position by a pin 13a, Fig. 3 (not shown).

**Classifications:**

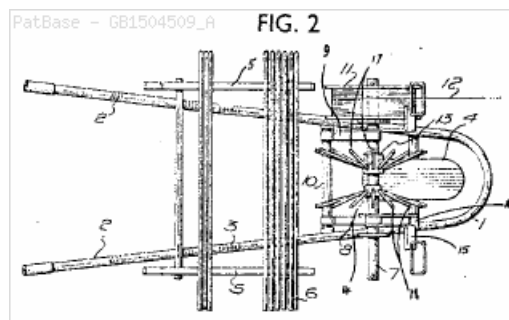
**International (IPC 8-9):** A01K3/00 B65H49/32

B65H75/40 (Advanced/Invention)

**International (IPC 1-7):** B65H75/40

**CPC:** A01K3/005 B62B2202/025 B65H49/32 B65H75/403 B65H75/4497  
B65H2701/363 B65H2701/533

**European:** A01K3/00C B65H49/32 B65H75/40A B65H75/44M8  
L62B202/025 L65H701/363 L65H701/533



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB1504509 A        | 19780322         | GB19740014419      | 19750327         |

**Priority:**

GB19740014419 19740401 GB19740014419 19750327

**Probable Assignee:** TAYLOR E

**Assignee(s):** (std): TAYLOR E ; TAYLOR J

**Legal status (INPADOC)**

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| Patent      | Date recorded | Event group | Code  | Event                                            | Details |
|-------------|---------------|-------------|-------|--------------------------------------------------|---------|
| GB1504509 A | 19780322      | LSGT        | +     | granted / extensions (spc, cpc, pte)             |         |
| GB1504509 A | 19780802      | LSGT        | +PS   | PATENT SEALED                                    |         |
| GB1504509 A | 19831116      | LSLE        | -PCNP | PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE |         |
| GB1504509 A | 19950327      | PEXP        |       | Calculated Patent Term Expiry                    |         |