



Industria y Comercio

SUPERINTENDENCIA

Delegatura de propiedad Industrial

División de Nuevas Creaciones

PCT
SOLICITUD

PATENTE DE INVENCION

07-12646

21. EXPEDIENTE No.

54. TÍTULO

MARCATALLAS DENTADO

51. CLASIFICACIÓN INTERNACIONAL

71. SOLICITANTE

MAINETTI S.p.A.

DOMICILIO

CASTELGOMBERTO, ITALIA

74. APODERADO

EMILIO FERRERO

C.C. 438.019 de Usaquén

22. BOGOTÁ, D. C.,



Industria y Comercio
SUPERINTENDENCIA

PETITORIO

CLIPERFORMA DE 78 LETRAS Y COMERCIO
Rad. 07-012646-00000-0003
PCT: 2005-03-03 17:50:31 042.2020 AUSENCIAS
TIO 11 PATENTE.YI
EJE 78 FASE NACIONAL
MCA 11 REPRESENTACIÓN FASE 23

FORMULARIO UNICO DE SOLICITUD DE PATENTE PCT ENTRADA EN FASE NACIONAL

SOLICITUD DE:

1

☒ Patente de Invención.

☐ Patente de Modelo de Utilidad.

☒ Capítulo I.

☐ Capítulo II.

2

SOLICITANTE
(71)

Nombre: MAINETTI S.P.A.
sociedad constituida y existente bajo las leyes
de Italia.

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36070 Castelgomberto,
Italia

Domicilio: Castelgomberto,
Italia

IDENTIFICACIÓN

C.C.

☐

NIT

☐

C.E.

☐

Otro

☐

Cual

Número

3

REPRESENTANTE
APODERADO

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IDENTIFICACIÓN

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NIT

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C.E.

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Otro

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Cual

Número 438.019 T.P 31.928

4

INVENTOR (ES)
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5

PCT (86)

Solicitud Internacional No. PCT/EP2005/007172Fecha: 2 de julio de 2005Publicación Internacional No. WO 2006/005467 A1Fecha: 19 de enero de 2006

6

TÍTULO (54)

MARCATALLAS DENTADO

7

Clasificación Internacional (51) A47G 001/014

8

Prioridad

SI ☒ NO ☐

(33) País de Origen

IT
IT

(32) Fecha

9 de julio de 2004
14 de enero de 2005

(31) Número de Solicitud

VI2004A000168
VI2005A000007

9

Comprobante de pago No.: 06-99-166Fecha: 27 de diciembre de 200507- 8.04529 de enero de 200707- 8.04429 de enero de 2007

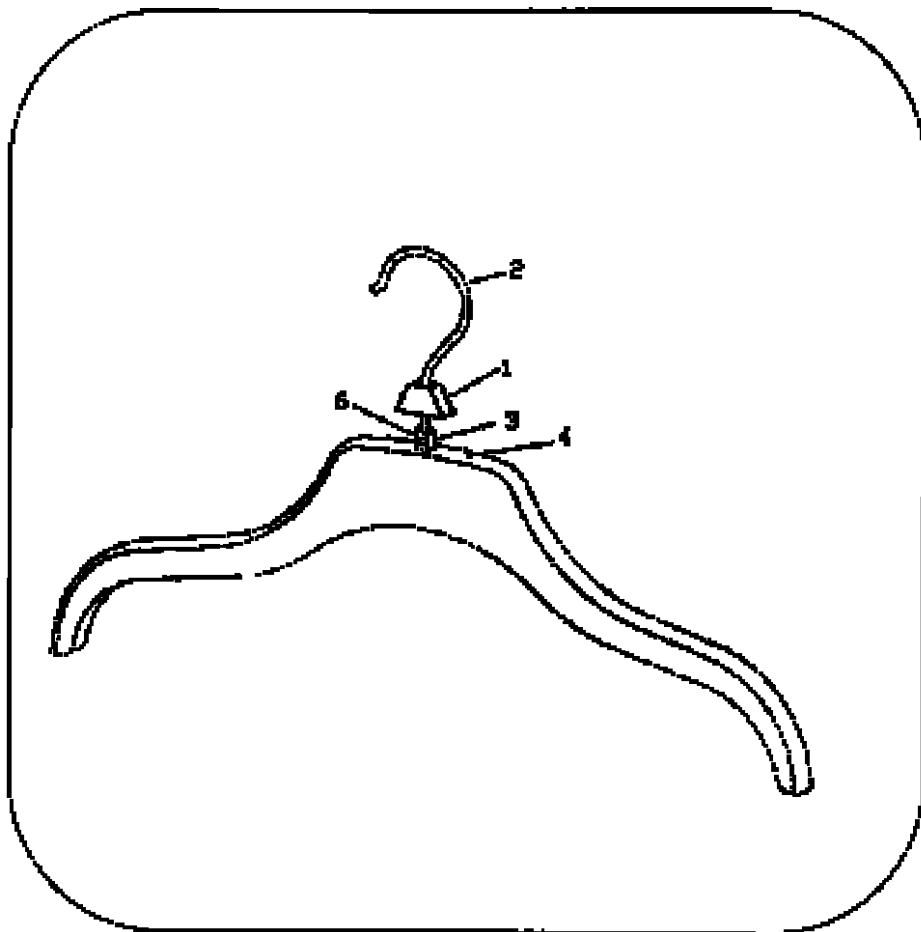
10

Anexos:

- ☒ Comprobante de pago de la tasa de presentación de la solicitud por \$ 482.000,00.
- ☐ Comprobante de pago por reivindicación de prioridad.
- ☒ Documento que acredite la existencia y representación legal cuando el solicitante sea persona jurídica.
- ☒ Poderes, si fuera el caso.
- ☐ Documento de cesión del inventor al solicitante o a su causante.
- ☒ Declaraciones.
- ☒ Copia de la solicitud internacional. (Resumen, descripción, reivindicaciones, dibujos)
- ☒ Traducción de la solicitud internacional al castellano. (Resumen, descripción, reivindicaciones, dibujos)
- ☐ Copia del examen preliminar efectuado por la IPEA.
- ☐ Traducción del examen preliminar efectuado por la IPEA.
- ☐ De ser el caso, copia del contrato de acceso.
- ☐ De ser el caso, documento que acredite la licencia o autorización de uso de conocimientos tradicionales de las comunidades indígenas.
- ☐ De ser el caso, certificado de depósito del material biológico.
- ☒ Arte final 12x12
- ☐ De ser el caso, información sobre otras solicitudes de patente o títulos obtenidos en el extranjero por el mismo titular o su causante, relacionadas parcial o totalmente con la invención de esta solicitud.
- ☒ Otros: VER HOJA DE DOCUMENTOS ANEXOS

11

FIGURA CARACTERÍSTICA



12

Solicito la concesión de la patente,

NOMBRE: EMILIO FERREROFIRMA: *Emilio Ferrero*

C.C. 438.019 de Usaquén T.P. 31.929

DOCUMENTOS ANEXOS

1. ☒ **Publicación Internacional WO 2006/005467 A1**

Descripción:

Páginas 8 en el idioma original

Páginas 5 en español

Reivindicaciones: Número (s) 19

Figuras: Número (s) 32

2. ☒ **Forma PCT/ISA/210. Informe de Búsqueda Internacional.**
3. ☒ **Forma PCT/IB/306. Notificación del Registro de Un cambio.**
4. ☒ **Forma PCT/RO/101. PCT Request.**
5. ☒ **Capítulo reivindicatorio modificado bajo el Artículo 19 compuesto por 18 reivindicaciones.**
6. ☒ **Extracto de publicación.**

**SE REALIZARON MODIFICACIONES EN LA FASE
INTERNACIONAL**

CAVELIER

ABOGADOS

EDIFICIO SISKI
CARRERA 4a N° 72-35
BOGOTÁ, D. C. - COLOMBIA

179

Representación y Poder con autenticación notarial y Apostilla para patentes, modelos de utilidad, diseños industriales, marcas de fábrica, nombres comerciales, enseñas, nombres de dominio, lemas comerciales, licencias.

Representation and Power-of-Attorney with notarial authentication and Apostille for patents, utility models, industrial designs, trademarks, commercial names, trade emblems, domain names, slogans, licenses.

REPRESENTACION Y PODER

REPRESENTATION AND POWER- F- ATTORNEY

Yo (nosotros), abajo firmado (s)/I (we), the undersigned
MAINETTI S.P.A.

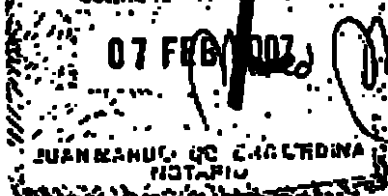
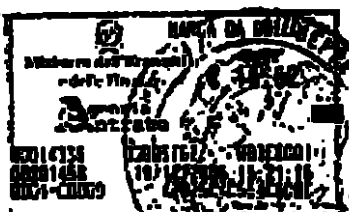
domiciliado (s) en/of Via Casaretta, 5a
38070 CASTELGOMBERTO (VI) ITALY

por el presente nombramos a EMILIO FERRERO, tpa. 31929; GONZALO PERDOMO, tpa. 831; LUZ CLEMENCIA DE PAEZ, tpa. 23555 y GERMAN CAVELIER, tpa. 832, domiciliados en la Carrera 4ª N° 72-35, Bogotá, Colombia, en obediencia a lo dispuesto en el parágrafo 1o del Artículo 343 del Código de Comercio, el primero como principal y los demás como suplentes, en su orden, como mis (nuestras) representantes en todos los asuntos de propiedad industrial con facultad para recibir notificaciones y admitir apoderados judiciales o extrajudiciales. El primer representante suplente reemplazará al principal en caso de ausencia o impedimento temporal o definitivo de aquél. La misma regla se aplicará cuando el segundo representante suplente haya de reemplazar al primero, o el tercero al segundo. En tales casos, el representante principal, o el primero, o segundo suplente, en su caso, o ambos, declararán su intención de no ejercer la representación mediante declaración autenticada por Notario Público en Colombia, o por Notario u otro Funcionario Público, o Cónsul de Colombia, en el extranjero; y si se tratare de impedimento, con el certificado respectivo. Si alguno de los nombrados faltare definitivamente, el siguiente tomará su lugar. Cuando cesare la ausencia o impedimento del representante principal, o de su primero o segundo suplentes, en su caso, podrán ejercer la representación, en su orden, uno u otros según el caso, asumiéndola por el solo hecho de ejercerla, cesando en ese momento el ejercicio de la representación por el primero, segundo o tercer suplente en su caso.

Además, confiero (conferimos) poder a los abogados arriba nombrados, para obtener la protección de mi (nuestra) propiedad industrial y contra la competencia desleal, a cuyo efecto autorizo (autorizamos) a los dichos apoderados para que me (nos) representen ante cualesquiera entidades o personas, ejerzan o no jurisdicción, especialmente ante las del Poder Judicial, administrativo, contencioso administrativo y judicial, así como los

In due compliance with the terms of paragraph 1st. of article 343 of the Commercial Code, do hereby appoint EMILIO FERRERO, tpa. 31929; GONZALO PERDOMO, tpa. 831; LUZ CLEMENCIA DE PAEZ, tp. 23555 and GERMAN CAVILIER, tpa. 832, domiciled at Carrera 4ª N° 72.35, Bogotá, Colombia, the first as principal and the others as alternates, in the order of their appointment, as our representatives for a industrial property matters with faculty to receive notifications and appoint attorneys in and out of Court. The first alternate shall replace the principal in case of his absence or of temporal or definitive impediment. The same rule will apply, when the second alternate representative is to replace the first one, or when the third is to replace the first or second alternates in their turn, or both of them, second. In such cases, the principal representative, or the first or second alternates in their turn, or both of them, shall state their intention not to act as representative through a declaration given before a Notary Public in Colombia, or before a Notary or another Public Official or a Colombian Consul abroad; and in case of impediment, the appropriate certificate shall suffice. If any of the appointees were to be definitely absent, the following alternate shall take his place. When the absence or impediment of the principal representative, or of the first or second alternate in their turn ceases, the representation can be taken again in their sequence, by the principal, the first or second alternate depending on case, and the mere fact of exercise will suffice. The exercise of the representation by the first second or third alternates in their turn shall end at such time.

In addition, we grant a Power of Attorney in favor of the above named attorneys-at-law so that they may obtain the protection of my (our) industrial property and against the unfair competition, for which purpose (we) authorize the said attorneys to represent me (us) before any authorities or persons with or without jurisdiction, specially those of the judicial, administrative, contentious administrative and judicial, as well as before



68 6:1

COMO NOTARIO ENITO DEL CIRCULO
DE BOGOTA, HAGO CONSTAR QUE
FOTOGRAFIA QUINCE CON EL NOMBRE
QUE SE TIENE A LA VISTA
07 FEB 2007
FELIX ENIL COTENUT EDINA
NOTARIO
DES. ENIL COTENUT EDINA

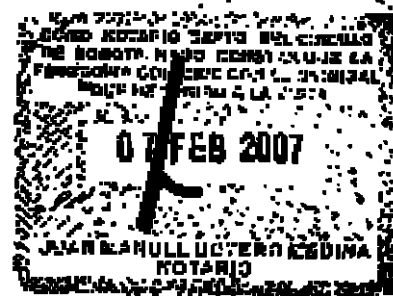
tribunales de arbitramento, en todo lo concerniente a los siguientes asuntos: a) Otorgamiento de patentes de invención, modelos de utilidad, y diseños industriales; al registro de marcas de fábrica, colectivas, defensivas, de servicio, marcas comerciales, marcas comerciales, marcas, nombres de dominio, variedades vegetales y denominaciones de origen; su renovación, traspaso, cambio de nombre o domicilio, cancelación voluntaria y el registro de licencias de uso de esos derechos; b) Las acciones de competencia desleal, protección del consumidor, oposiciones a observaciones, cancelación administrativa y judicial, nulidad, medidas cautelares, concesión de licencias, la tutela, la protección de secretos industriales, y en general los juicios civiles, penales, administrativos o contenciosos administrativos relacionados con estos derechos; acciones y procesos que promuevan o se nos promuevan. Y para que en todos los asuntos arriba determinados, puedan sustituir este mandato, transmitir, concluir, admitir los hechos del proceso, desistir, cancelar, recurrir, recurrir, y ratificar los actos de agentes oficiales.

Arbitration Court in all matters concerning the following: a) Otorgamiento of patents, utility models and industrial designs; the registration of trademarks, collective, defensive and service marks, slogans, commercial names, trade, emblems, domain names, vegetal varieties and denominations of origin; its renewal, assignment, change of name or domicile, voluntary cancellation and the registration of licenses of use of the above rights; b) Actions of unfair competition, protection to the consumer, oppositions or observations, administrative or Court cancellation, nullity, infringement, granting of licenses, the action for writ mandamus, the protection of trade secrets, and in general the civil, penal and administrative suits relating to those rights; actions and suits instituted by me (us) or against me (us). And that in all the above matters they may substitute this Power of Attorney, compromise, conclude, admit the facts of the case, desist, cancel, receive, assign, and ratify acts done by representatives without a power of attorney.

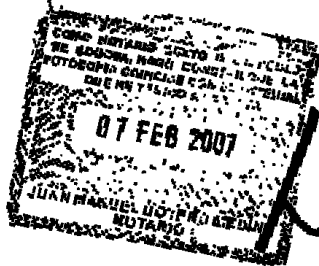
Dado y firmado hoy/ Given and signed this 26/12/2006
en/ in ARIGANDI (ITALY)
por/ by MAINETTI S.P.A.
Firma

Signature
Mainetti

[Handwritten signature]



CLL 2.



1

CERTIFICACION NOTARIAL (SOCIEDAD)

El infrascrito Notario Certifica: Que la firma que antecede de

es auténtica; que el signatario desempeña actualmente el cargo de

de la compañía

sociedad que actualmente existe y está organizada de acuerdo a las leyes de

que la dirección de dicha compañía es

y que el signatario tiene facultad para otorgar este documento.

Todos los hechos anteriores le constan por haber examinado los documentos respectivos y de todo ello da fe.

Dado y firmado en

El

NOTARIAL CERTIFICATION (COMPANY)

The undersigned Notary certifies: That the preceding signature of

MARIO MAINETTI

is authentic, that the signatory currently acts in the position of PRESIDENT OF BOARD

of the company MAINETTI SPA

a company currently existing and organized under the laws of ITALY

that the address is CASELGERBERIO (ITALY)
VIA CASARETTE n. 52

and that the signatory has the power to grant this document.

The Notary Public is aware and attests to the above facts upon examination of the corresponding documents.

Given and signed in AREIGLANDO (ITALY)

On 22nd of December 2006

El Notario Público
(Firma-notic)

The Notary Public
(Signature-seal)

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country: ITALIA

This public document

2. has been signed by MICHELE COCCO

3. acting in the capacity of NOTARIO IN APO

4. bears the seal/stamp of A. P. I. A.

Certified

5. at VICENZA 6. the 30 GEN 2007

7. by PACURATO RE DELLA REPUBBLICA

8. No. 85 R APO

9. Seal/stamp

10. Signature



NOTARIO DELLA APO

[Handwritten signature]



67
7

TRADUCCIÓN OFICIAL 036/2007 DE UN DOCUMENTO ESCRITO EN INGLÉS Y EN ESPAÑOL DE ACUERDO CON EL CUAL MAINETTI S.P.A, EMPRESA DOMICILIADA EN VIA CASARETTE, 58 36070 CASTELGOMBERTO (VI) ITALIA OTORGA PODER A EMILIO FERRERO, TPA 31929, GONZALO PERDOMO, TPA 831; LUZ CLEMENCIA DE PAEZ, TPA 23555 Y A GERMÁN CAVELIER, TPA 832. EXPEDIDO Y FIRMADO EL 22 DE DICIEMBRE DE 2006 EN ARRIGNANG, ITALIA POR MAINETTI S.P.A. FIRMADO: DOS FIRMAS ILEGIBLES.

CERTIFICACIÓN NOTARIAL EN INGLÉS Y EN ESPAÑOL, DE FECHA 22 DE DICIEMBRE DE 2006 PARA CERTIFICAR LA COMPARECENCIA DE MARIO MAINETTI, COMO PRESIDENTE DE LA JUNTA DE LA COMPAÑÍA MAINETTI SPA. EL DOMICILIO DE DICHA EMPRESA Y SU EXISTENCIA LEGAL DE ACUERDO CON LAS LEYES DE ITALIA

ARRIGNANO, ITALIA. FIRMADO: NOTARIO PÚBLICO, FIRMA ILEGIBLE.

FIRMADO MARSHA S. GREEN, NOTARIO PÚBLICO, ESTADO DE TEXAS.

APOSTILLA

(CONVENCIÓN DE LA HAYA DEL 5 DE OCTUBRE DE 1961)

1. PAÍS: ITALIA

Este documento público

2. ha sido firmado por MICHELE COLASANTO

3. quien actúa en su calidad de NOTARIO DE ARRIGNANO

4. y lleva el sello/estampilla al aceite.

CERTIFICADO

5. en VICENZA

6. el 30 de enero de 2007

7. por el procurador de la república

8. Número 35 r SFO

9. Sello: TRIBUNAL DE VICENZA, PROCURADURÍA DE LA REPÚBLICA

10. Firma: Paolo Pecori., procurador de la república

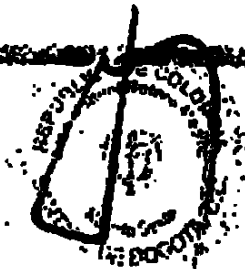
CCLO- 15718-841-001-1

WPC0026 ID 8532

Bogotá, 6 de febrero de 2007.

Eduardo Calado

COMO NOTARIO SEÑO DEL CIRCULO DE SANTAFE DE
BOGOTA, HAGO CONSTAR QUE LAS FIRMANAS DE
Rodrigo Leon
Calado Wogu
CONCIDE(N) CON LA FIRMA REGISTRADA POR
EL (EL LOS) EN ESTA NOTARIA
SANTAFE DE BOGOTA. 06 FEB 2007



NO. 15, 1500
2555

2025-12-12

53M034714J3A3E3

2025/05/21

[illegible]

07 FEB 2007

(19) World Intellectual Property Organization
International Bureau



INTERNATIONAL BUREAU OF PATENT COOPERATION
358, RUE DE LA FÉDÉRATION
CH-1202 GENEVE 2, SUISSE

(43) International Publication Date
19 January 2006 (19.01.2006)

PCT

(10) International Publication Number
WO 2006/005467 A1

(51) International Patent Classification: A47G 1/14

(21) International Application Number:
PCT/EP2005/07173

(22) International Filing Date: 2 July 2005 (02.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
VI2004A/00168 9 July 2004 (09.07.2004) IT
VI2005A/000017 14 January 2005 (14.01.2005) IT

(71) Applicant (for all designated States except US):
MAINETTI TECNOLOGIE S.P.A. [IT/IT]; Via
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(72) Inventor and

(73) Inventor/Applicant (for US only): MAINETTI, Mario
[IT/IT]; Via Corsetto, 58, I-36070 Valsugana (IT).

(74) Agent: RETTELLO, Pietro; Via Col Diabolo, 25,
I-36100 Vicenza (IT).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GR, GU, HK, HN, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MY, NA, NG, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW.

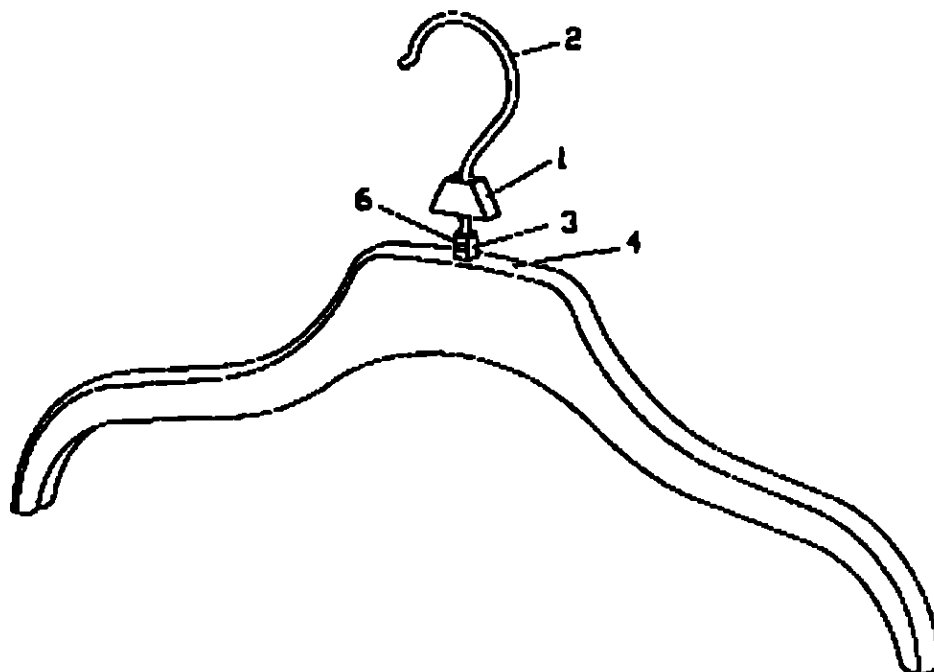
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, FI,
FR, GB, GR, HU, IE, IS, IT, LI, LU, MC, NL, PL, PT,
RO, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii)) for the following designations AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,
CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE,
EG, ES, FI, GB, GU, GR, HK, HN, HU, ID, IL, IN,
IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU,

[Continued on next page]

(54) Title: CROWN SIZER



(57) Abstract: The finding relates to an crown sizer for application on objects to be identified, in particular on hangers and the like, of the type that is assembled by inserting it over the hook of said hangers and then positioned coaxially with a pawl, protruding from the arched structure of the hanger and that composes the reinforcing base of the hook. Such crown sizer is characterized in that it foresees internally one or more elastic protrusions which, in operational stage, penetrate into the pawl of the hook or into the body of the arched structure in order to form a clip attachment of said crown sizer.

IX, MA, MD, MG, MK, MN, MV, MX, MY, NA, NC, NT, NO, NZ, OM, PG, PH, PI, PJ, PQ, RA, SC, SD, SE, SG, SK, SL, SM, SX, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW. ARIPPO patents (BW, CH, CN, KR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW). European patents (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European patents (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IL, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR). OAPI patents (BF, BJ, CF, CG, CI, CM, GN, GV, GQ, GW, ML, MR, NE, NG, TD, TG).

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.1(P)(ii)) for the following designation US
- of inventors (Rule 4.17(h)) for US only

Published:

- with international search report
- with amended claims and abstract

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

10

The present finding relates to a crown sizer according to the general part in claim 1.

The use of crown sizers is well known in many sectors, in particular in retail sales domains, for application on
5 products in order to identify them.

In current state of the art, crown sizers of known type present the problem of being easy to detach from their positioning seat.

Such easy removal involves the risk of having objects lacking
10 crown sizer, as well as the ease with which certain goods can be exchanged with others by ill-intentioned persons during warehouse stock management or in the stores where said goods are on sale, a fact that is more possible in particular when the crown sizer is applied to clothes hangers in general, for
15 garment size identification marking.

Moreover, since the clothes hangers are normally present in domestic environments, the danger exists in that if the crown sizers are easily detachable, they are attractive to children as play objects, and because of their reduced size and bright
20 colour, they could be mistaken for a candy and therefore the danger exists that they could be swallowed.

In order to prevent any negative possibilities, crown sizers have been realized which are assembled integral to the support, therefore making it very difficult to detach and
25 remove them, but also thus compromising the entirety of the support, to the point of making re-use impossible.

The object of the present finding is to realise a crown sizer of the type per se known that is assembled by inserting it on the hook and that it is then co-axially positioned with the
30 pawl protruding from the arched structure of the clothes

hanger and which forms the reinforcing base of the hook itself, said hanger thus resulting free of the problems described above.

Such object is achieved, according to the finding, by means
5 of a crown sizer composed of an encasing structure in a prismatic form, with both bases open, respectively, the lower base in order to receive the pawl at the base of the hook, and the upper base for passing the hook itself therethrough, said crown sizer being characterised in that the interior is
10 configured with one or more elastic protrusions which during the operational stage, penetrate inside the pawl of the hook or arched structure in order to realise a clip attachment with said crown sizer.

The finding will be made clearer through the description of
15 some of its possible embodiments, provided only by way of non-limiting example, with the help of the appended drawing tables wherein:

- Figure 1 represents a perspective view of a hanger in operational stage;
- 20 - Figures 2 to 4 represent the hanger provided with three different types of crown sizer according to the finding;
- Figures 5 and 6 represent two views, perspective and cross-sectioned, respectively, of a first embodiment of the crown sizer according to the finding;
- 25 - Figures 7 and 8 represent two views in detail of the crown sizer according to figure 5 in operational stage;
- Figures 9 and 10 represent two views, perspective and cross-sectioned, respectively, of a second embodiment of the crown sizer according to the finding;

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- Figures 11 and 12 represent two views in detail of the crown sizer according to figure 9 in operational stage;
- Figures 13 and 14 represent two views, perspective and cross-sectioned, respectively, of a third embodiment of the crown sizer according to the finding;
- Figure 15 represents a view in detail of the crown sizer according to figure 13 in operational stage;
- Figures 16 to 18 represent the views, perspective, from above, and cross-sectioned, respectively, of a fourth embodiment of the crown sizer according to the finding;
- Figures 19 and 20 represent cross-sectioned views, respectively of front and side views of the crown sizer according to figure 16 in operational stage;
- Figures 21 to 23 represent the cross-sectioned views, respectively perspective, front and side views of a fifth embodiment of the crown sizer according to the finding;
- Figures 24 to 26 represent the cross-sectioned views, respectively front and side views of the crown sizer according to figure 21 in operational stage;
- Figures 27 to 29 represent the views respectively perspective, front and side views of a first rotation-proof form of the crown sizer;
- Figures 30 to 32 represent the views respectively perspective, front and side views of a second rotation-proof form of the crown sizer.

As can be seen in figure 1, the crown sizer 1 is positioned at the base of the hook 2 after it has been passed through

the hook itself, in a manner so that it encases the pawl 3 that protrudes from the arched structure 4 of the clothes hanger, where it acts as a size identification marker.

As can be seen in figures 5 to 8 in a first embodiment of the finding, the crown sizer 1 is attached directly on the pawl 3 by means of two teeth 5 opposite each other, present inside the encasing structure of the crown sizer itself, and positioned in a manner so that in operational stage, said teeth are inserted inside two corresponding slots 6 cut into the pawl itself.

As can be seen in figures 9 to 12, a second embodiment of the finding is adapted for clothes hangers where the pawl 3 is equipped on both sides with reinforcing fins 7, so that the crown sizer 1 is attached to the sides of the pawl itself, by means of one or more teeth 8, present inside the encasing structure of the crown sizer and positioned in a manner so that in operational stage, said teeth are inserted under said fins.

As can be seen in figures 13 to 15 in a third embodiment of the finding, the crown sizer 1 is attached to the arched structure 4 of the hanger, by means of one or more flexible tangs 9, obtained inside the encasing structure of the crown sizer itself, and which protrude slightly from the lower base so that in operational stage, the toothed ends 10 of the tangs are inserted inside corresponding seats 10.1 cut on the neck of said arched structure and positioned on each side of the pawl 3.

As can be seen in figures 16 to 18 in a fourth embodiment of the finding, it is foreseen that the two fins 11 that form the upper open wall of the crown sizer, are equipped at the

sides with recesses 12, which separate said fins from the rest of the encasing structure, making it more flexible and thus easier to insert and position the crown sized 1 on pawl 3.

5 Again in the aforesaid fourth embodiment, it is foreseen that the teeth 5 opposite each other, present inside the encasing structure of the crown sized itself, and which during the operational stage are inserted inside two corresponding slots 6 cut on the pawl 3, are positioned at the edge of the upper
10 open wall. This constructive solution permits the attachment zone between the tooth 5 and the corresponding slot 6 to be positioned near the upper part of the pawl 3, and therefore advantageously, said zone results sufficiently distanced from the portion of the pawl in which the terminal part or "nail"
15 13 of hook 2 is embedded (see figure 20), and therefore said zone is not subject to deformation during the insertion stage of the hook in the pawl itself.

Moreover, as can be seen in the detail view of figure 20, the finding foresees at the attachment zone of tooth 5, that the
20 diameter of the hole on the pawl 3 is larger than the diameter of the hook 2, in order to create a channel "K" that extends under said attachment zone and that causes the reduction of the thickness of the neck 3.1 so that when the nail 13 of the hook 2 is passed therethrough, it does not
25 deform the aforesaid portion 3.1 and the relative slot seat 6.

Moreover, as can be seen in the detail view of figure 20, the tooth 5 presents a spire-shaped section where the vertex is defined by two sloping planes in relation to the horizontal
30 plane, in order to facilitate both the attachment and detachment stages in the slot seat 6, when the size-marker

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wedge clamp needs to be removed from the hanger, for example, for recycling.

In particular, as can be seen in the detailed view in figure 20, the surfaces of the tooth 5 and of the pawl 6, respectively 5.1, and 6.1, which during operational stage result as facing each other mutually, are set in a sloping position so that by varying the angle, it is possible to increase or reduce the force required to remove the crown sizer and this possibility is particularly important to guarantee protection against tampering on the part of small children.

Furthermore, as can be seen in the detailed view in figure 19, in order to facilitate the attachment between tooth 5 and seat 6, it is foreseen that as well as its normal closed profile, the aforesaid seat 6 can also be configured open on one side 6.1, or configured open on both sides 6.2, in order to receive teeth of varying widths of any type.

Moreover, in order to simplify the insertion of the crown sizer 1 on the pawl 3, it is foreseen that the upper portion 3.2 of the pawl is configured in a slightly wedge-shaped form, by the creation of sloping surfaces 14, on which the teeth 5 are engaged in a sliding action.

As can be seen in the figures 21 to 23 in a fifth embodiment of the finding, it is foreseen that the clip attachment between the crown sizer 1 and the pawl 3 is realised by means of the upper fins 11 of the crown sizer which are engaged in the operational stage on corresponding slots 15 cut on the pawl itself.

Specifically, as can be seen in figure 24, the slots 15 are positioned in front of the fins 11 and are arranged rotated

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by 90° in relation to the slots 6 described previously (See Fig. 19).

Moreover, to simplify the insertion of crown sizer 1 on the pawl 3, also in this further embodiment, the upper portion
5 3.2 of pawl 3 is equipped with sloping surfaces 16 on which the ends of the fins 11 are engaged to slide before they are fitted in the corresponding slots 15.

As can be seen in figures 27 and 30, in order to facilitate the positioning and centring of the crown sizer, it is
10 foreseen that at least one side wall 17 has been formed on the pawl 3, which during the operational stage, moves into contact with the internal part "T" of the crown sizer 1 and therefore prevents a mutual rotation of the pawl/crown sizer around the "Z" axis of hook 2.

15 From the construction aspect, as can be seen in figures from 27 to 29, on the hangers where the pawl 3 is combined with a side reinforcing tang 7 (See Fig. 3.1) the centring action of the crown sizer is obtained by foreseeing that the aforesaid tang has a width at least equal to the width of the pawl
20 itself, in order to realise walls 17.1, that form a frontal contact zone, acting as a guide and rotation-proof element for the aforesaid crown sizer.

Alternatively, as can be seen in figures 30 to 32, on the hangers with an "inverted "U" shaped section, wherein the
25 pawl 3 is basically a substantially cylindrical element, the centring action of the crown sizer is obtained by realising side walls 17.2, which prevent crown sizer 1 from rotating.

Naturally other different embodiments can be realised for crown sizers based on the prismatic configuration of the

crown size and the type of support, however, these remain within the context of the claims defined below.

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Claims

1. CROWN SIZER for application on objects to be identified, in particular, on hangers and the like, of the type that is assembled by insertion on the hook, and then positioned coaxially with a pawl which protrudes from the arched structure of the hanger and which forms the reinforced base of the hook itself,

said crown sizer being characterised in that

it provides in its interior one or more elastic protrusions, which during the operational stage penetrate in the hook pawl or in the body of the arched structure, in a manner to create a clip-type attachment for said crown sizer.

2. CROWN SIZER according to claim 1, of the type that is positioned at the base of the hook (2) after its insertion through the hook itself, in a manner so that it encases the pawl (3), protruding from the arched structure (4) of the clothes hanger, said crown sizer being characterised in that the crown sizer (1) attachment is performed directly on the pawl (3) by means of one or more teeth (5) present inside the encasing structure of the crown sizer itself, and positioned in a manner so that in operational stage, said teeth are inserted into corresponding slots (6) cut into the pawl itself.

3. CROWN SIZER according to claim 1, of the type that is positioned at the base of the hook (2) after its insertion through the hook itself, in a manner so that it encases the pawl (3), protruding from the arched structure (4) and equipped with reinforcing fins (7), said crown sizer being characterised in that the crown sizer (1) attachment is performed by means of one or more teeth (8) present inside the encasing structure of the crown sizer itself, and positioned in a manner so

that in operational stage, said teeth are inserted under said fins (7).

- 5 4. CROWN SIZER according to one or more of the previous claims characterised in that a plurality of teeth (5.8) are present inside the encasing structure.
- 10 5. CROWN SIZER according to claim 1, characterised in that the crown sizer (1) attachment is performed on the arched structure (4) of the hanger, by means of one or more flexible tangs (9) obtained inside the encasing structure of the crown sizer itself and slightly protruding from the lower base so that, in operational stage, the toothed ends (10) of said tangs are inserted into corresponding seats (10.1) cut into the neck of the arched structure (4) and positioned on each side of the
15 pawl (3).
- 20 6. CROWN SIZER according to one or more of the previous claims characterised in that the two fins (11) that form the upper open wall of the crown sizer (1) are equipped on the sides with recesses (12) which separate the abovementioned fins from the rest of the encasing structure, to provide increased elasticity and deformability.
- 25 7. CROWN SIZER according to one or more of the previous claims characterised in that the teeth (5) opposite each other, present inside the encasing structure of the crown sizer itself, and that in operational stage are inserted into two corresponding slots (6) cut on the pawl (3) are positioned at the edge of the upper open wall.
- 30 8. CROWN SIZER according to one or more of the previous claims characterised in that at the attachment zone of the tooth (5) the diameter of the hole on the pawl (3) is larger than the diameter of the hook (2) in a manner to create a channel (K) that extends under said

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attachment zone and that causes the reduction of the thickness of the portion of the neck (3.1) in a manner so that when the nail (13) of the hook (2) is inserted, said nail does not deform the aforesaid portion and the relative seat of the slot (6).

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9. CROWN SIZER according to one or more of the previous claims characterised in that the tooth (5) presents a spire-shaped section wherein the vertex is defined by two planes set in a sloping position in relation to the horizontal plane.

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10. CROWN SIZER according to one or more of the previous claims characterised in that the surface (5.1) of the tooth (5) and the surface (6.1) of the pawl (6) which in operational stage face each other reciprocally, result as both being in a sloping position so that, by varying the angle, it is possible to increase or reduce the force required to remove the size-marker crown sizer.

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11. CROWN SIZER according to one or more of the previous claims characterised in that the seat (6.1) is configured open on a single side.

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12. CROWN SIZER according to one or more of the previous claims characterised in that the seat (6.1) is configured open on both sides.

25

13. CROWN SIZER according to one or more of the previous claims characterised in that on the pawl (3) it is foreseen that the upper portion (3.2) of the pawl has a slightly wedge-shaped form due to the creation of sloping surfaces (14) on which the teeth (5) are engaged to slide.

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14. CROWN SIZER according to one or more of the previous claims characterised in that the clip attachment between the crown sizer (1) and the pawl (3)

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is realised by means of the upper fins (11) of the crown sizer itself which are engaged in the operational stage with the corresponding slots (15) cut into the pawl itself and arranged rotated by 90° in relation to the slots (6).

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15. CROWN SIZER according to one or more of the previous claims characterised in that on the upper portion (3.2) of the pawl (3) are present sloped surfaces (16) on which the ends of the fins (11) are engaged to slide before their insertion into the corresponding slots (15).

10

16. CROWN SIZER according to one or more of the previous claims characterised in that on the pawl (3) is present at least one side wall (17) which in operational stage, moves to position itself in contact with the internal part (T) of the crown sizer (1) and thus prevents mutual rotation of the pawl/ crown sizer around the axis (Z) of the hook (2).

15

17. CROWN SIZER according to claim 16 characterised in that on the hangers where the pawl (3) is combined with a side reinforcing tang (7), the rotation-proof action of the crown sizer (1) is obtained by foreseeing that the width of the aforesaid tang is at least equal to the width of the pawl itself in order to realise walls (17.1) that create a frontal contact zone against the internal wall (T) of the crown sizer itself.

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18. CROWN SIZER according to claim 16 characterised in that on the hangers with an "inverted U" shaped section, wherein the pawl (3) is simply a substantially cylindrical body, the rotation-proof action of the crown sizer (1) is obtained realising at least one, or preferably two side walls (17.2) that are set in contact against the internal walls "T" of the crown sizer itself.

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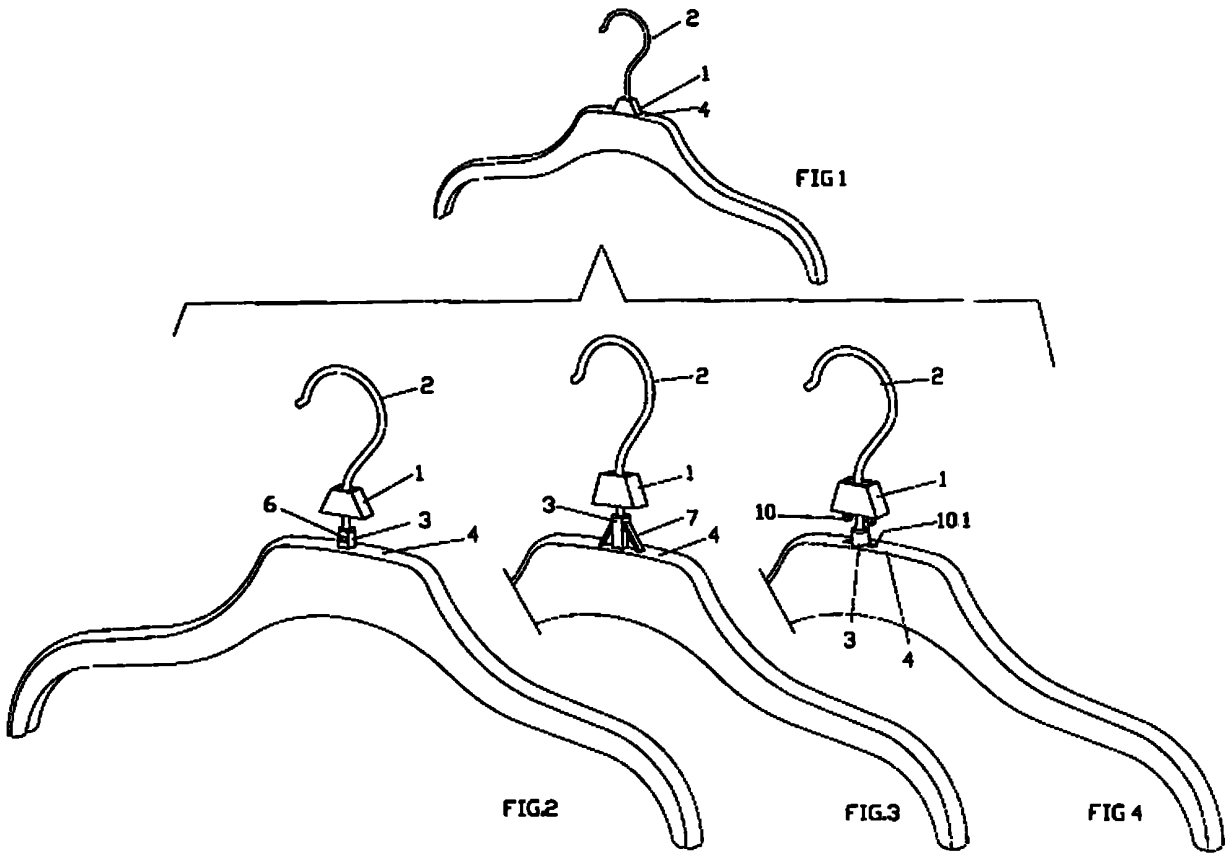
19. CROWN SIZER according to one or more of the previous claims characterised in that the encasing structure presents a prismatic form of any type.

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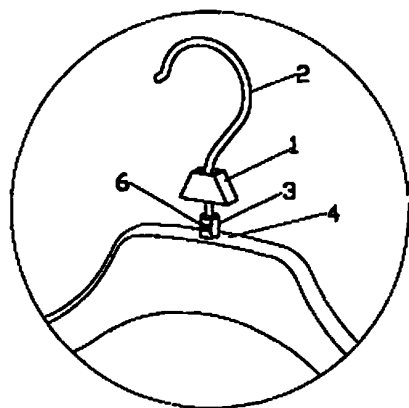


FIG 21

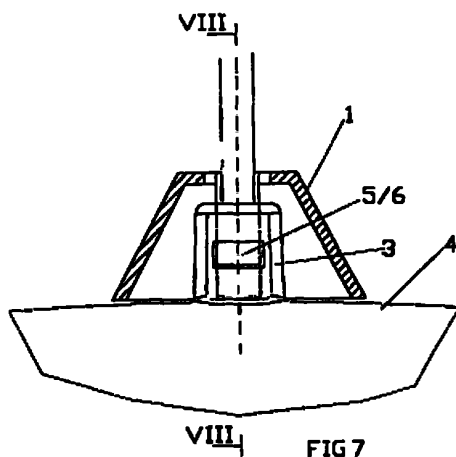


FIG 7

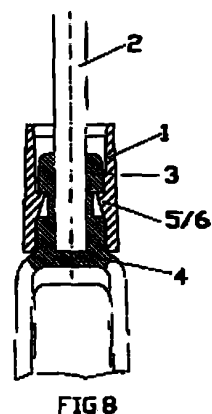


FIG 8

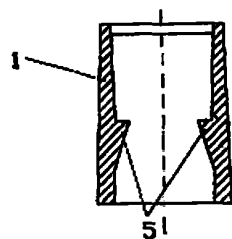


FIG 6

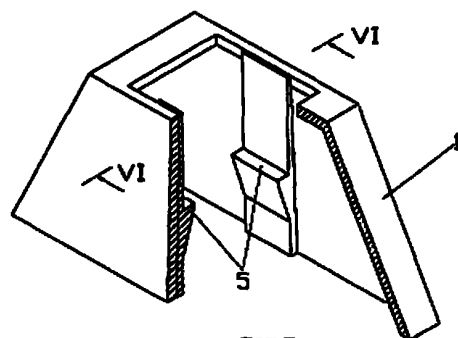


FIG 5

Handwritten signature or mark.

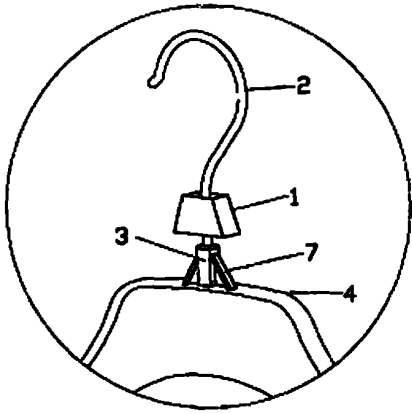


FIG 31

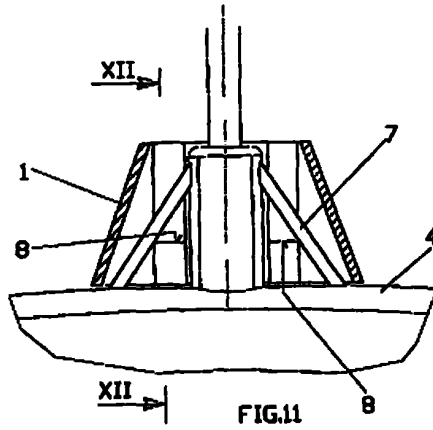


FIG.11

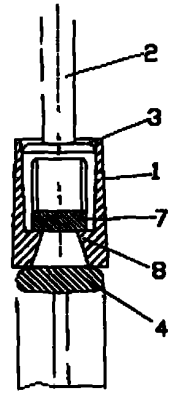


FIG 12

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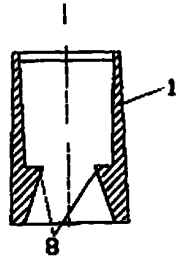


FIG 10

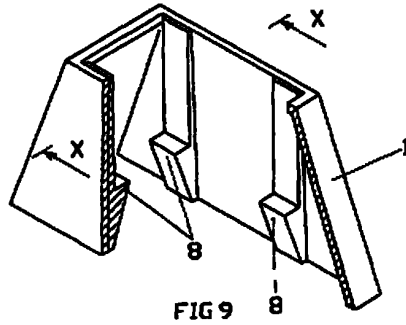


FIG 9

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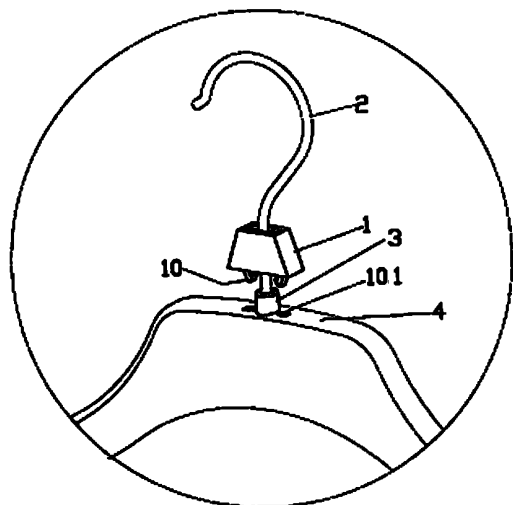


FIG 41

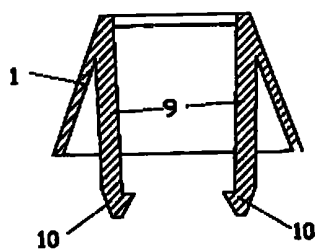


FIG 14

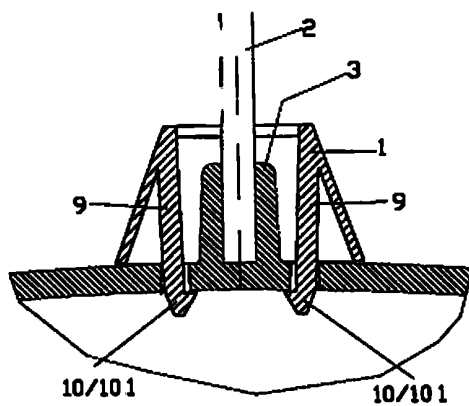


FIG 15

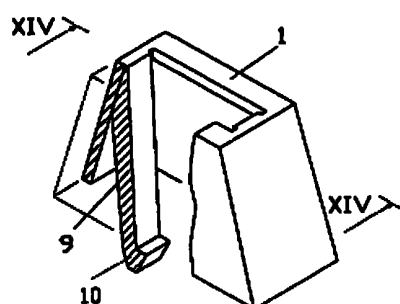
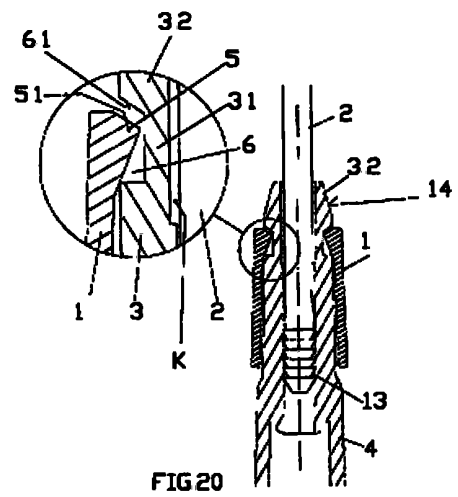
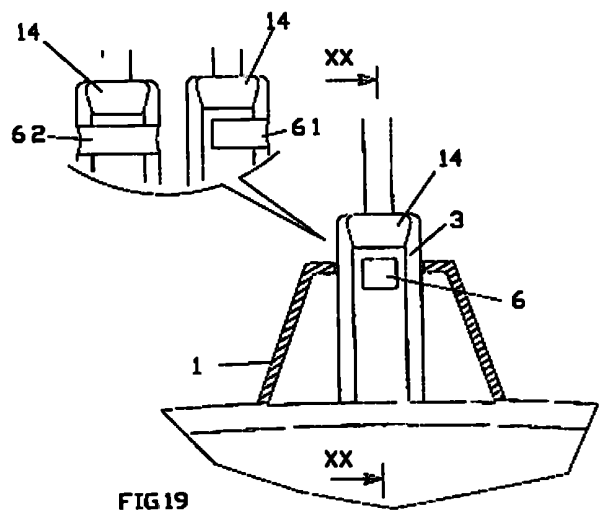
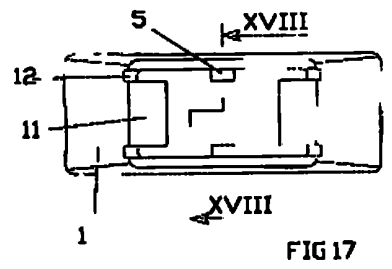
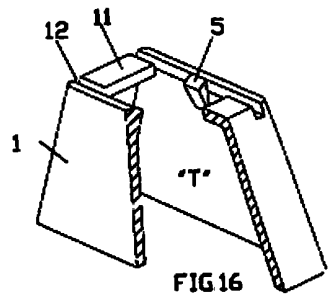
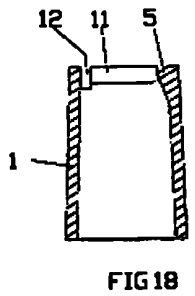


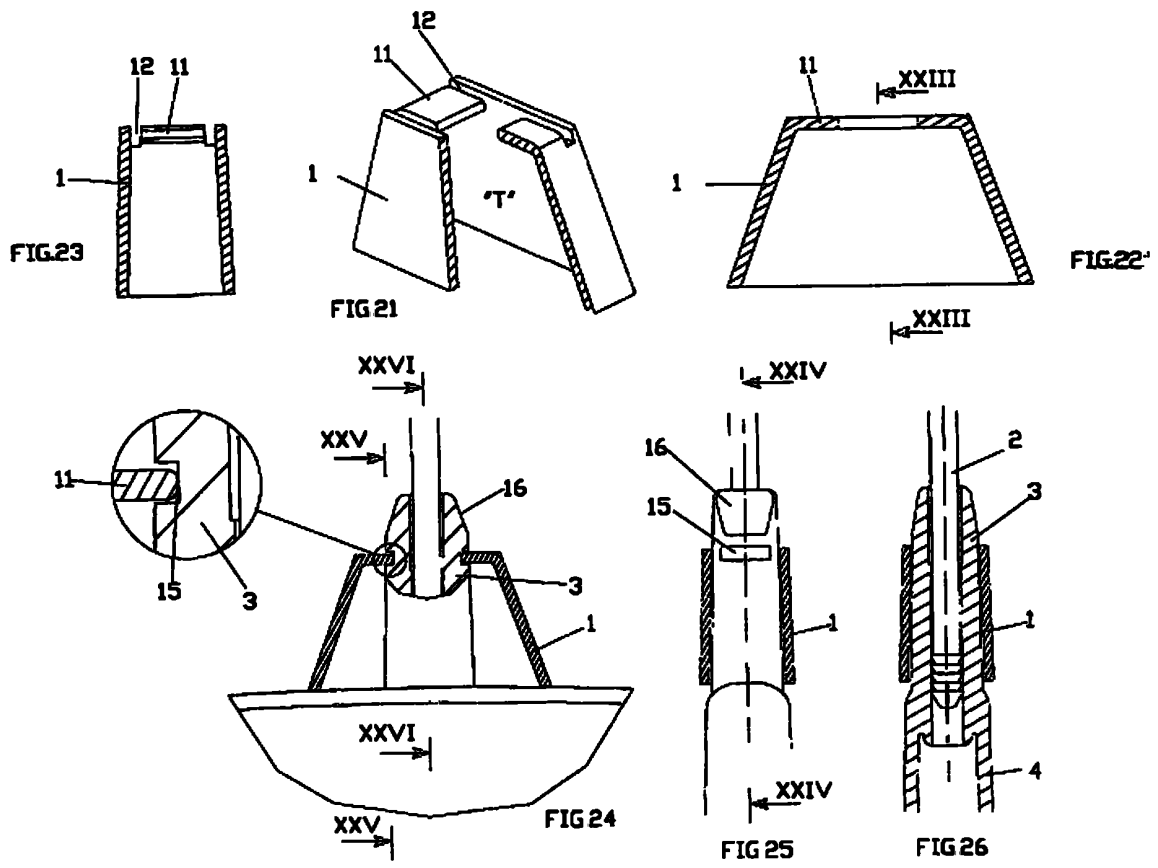
FIG 13

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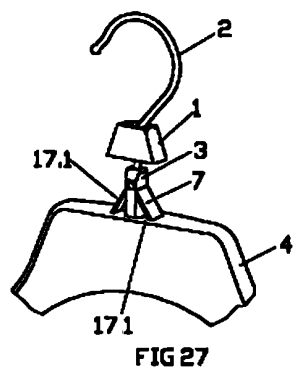


FIG 27

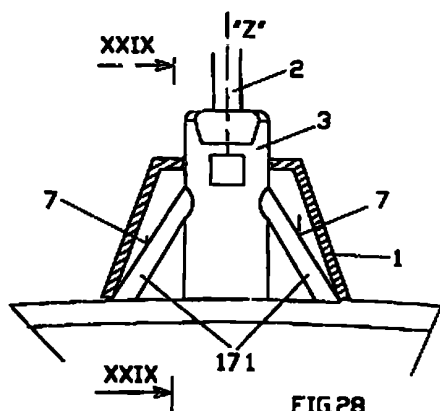


FIG 28

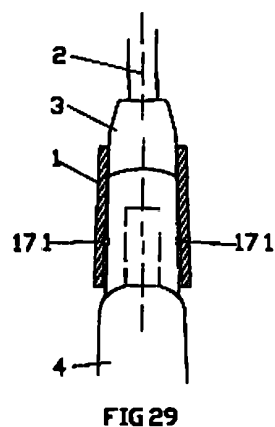


FIG 29

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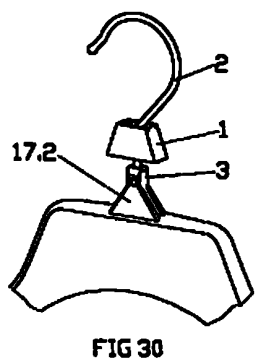


FIG 30

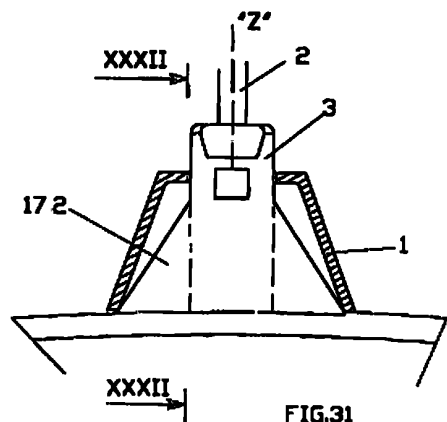


FIG.31

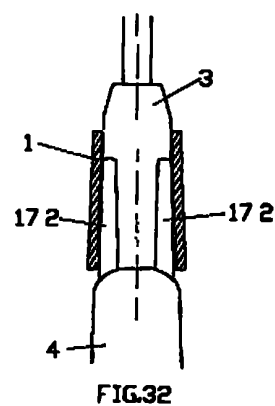


FIG.32

1 2

El presente descubrimiento se refiere a un marcatallas dentado según la parte general en la reivindicación 1

El uso de marcatallas dentado es conocido perfectamente en ambientes de venta minorista aplicados en productos para identificarlos

En la técnica actual, los marcatallas dentado del tipo conocido presentan el problema de ser fácilmente desmontables de sus alojamientos de colocación

Esta facilidad de remoción conlleva el riesgo de que algunos objetos puedan permanecer sin el marcatallas dentado lo cual posibilita fácilmente posibles

intercambios de productos por parte de personas malintencionadas durante la manipulación de productos en almacenes o en tiendas donde dichos productos están en venta y esto puede ocurrir principalmente cuando el marcatallas dentado está aplicado en perchas de ropa en general para indicar la talla de la prenda

Además las perchas para ropa suelen usarse en casa por lo que si el marcatallas dentado puede fácilmente quitarse se corre el riesgo de que los niños lo tomen por un juguete y por su tamaño pequeño y colores brillantes puede confundirse con un caramelo y ser ingerido peligrosamente

Para evitar cualquier riesgo se han realizado marcatallas dentado ensamblados íntegramente con el soporte por lo que resulta muy difícil desmontarlos y quitarlos pues ello también afectaría a todo el soporte hasta el punto de impedir poder usarlo de nuevo

El objeto de la presente invención es fabricar un marcatallas dentado del tipo conocido que se ensamble encajándolo en el gancho y que se encuentre posicionado coaxialmente respecto al trinquete que sobresale de la estructura arqueada de la percha para ropa y que forma la base reforzada de la misma percha la antedicha percha no presenta por consiguiente los problemas descritos anteriormente

El antedicho objeto se realiza según el descubrimiento mediante un marcatallas dentado compuesto por una estructura de alojamiento con una forma prismática con ambas bases abiertas respectivamente la base inferior para recibir el trinquete en la base del gancho y la base superior para pasar el gancho por ésta, el antedicho marcatallas dentado se caracteriza por el hecho de que su interior presenta una o varias partes sobresalientes elásticas que durante la fase operativa penetran dentro del trinquete del gancho o de la estructura arqueada para realizar un acoplamiento de enganche con el antedicho marcatallas dentado

El descubrimiento aparecerá de forma mas clara en la descripción de posibles realizaciones que se facilitan únicamente con el fin de ejemplo no limitativo, con los dibujos adjuntos donde

- La figura 1 representa una vista en perspectiva de una percha en la fase operativa
- En las figuras comprendidas entre la 2 y la 4 se representa la percha con tres tipos diferentes de marcatallas dentado según el descubrimiento
- Las figuras 5 y 6 representan dos vistas en perspectiva y seccionada respectivamente de una primera realización del marcatallas dentado según el descubrimiento
- Las figuras 7 y 8 representan dos vistas detalladas del marcatallas dentado según la figura 5 en la fase operativa
- Las figuras 9 y 10 representan dos vistas en perspectiva y seccionada respectivamente de una segunda realización del marcatallas dentado según el descubrimiento
- Las figuras 11 y 12 representan dos vistas detalladas del marcatallas dentado según la figura 9 en la fase operativa

- Las figuras 13 y 14 representan dos vistas, en perspectiva y seccionada, respectivamente de una tercera realización del marcatallas dentado según el descubrimiento;
- La figura 15 representa una vista detallada del marcatallas dentado según la figura 13 en la fase operativa;
- En las figuras comprendidas entre la 16 y la 18 se representan dos vistas, en perspectiva y seccionada, respectivamente de una cuarta realización del marcatallas dentado según el descubrimiento;
- Las figuras 19 y 20 representan vistas seccionadas respectivamente de la parte delantera y laterales del marcatallas dentado según la figura 16 en la fase operativa;
- En las figuras comprendidas entre la 21 y la 23 se representan vistas, respectivamente de la parte delantera y laterales de una quinta realización del marcatallas dentado según el descubrimiento;
- En las figuras comprendidas entre la 24 y la 26 se representan vistas, respectivamente de la parte delantera y laterales del marcatallas dentado según la figura 21 en la fase operativa;
- En las figuras comprendidas entre la 27 y la 29 se representan vistas, respectivamente de la parte delantera y laterales de una primera configuración antirrotativa del marcatallas dentado;
- En las figuras comprendidas entre la 30 y la 32 se representan vistas, respectivamente de la parte delantera y laterales de una segunda configuración antirrotativa del marcatallas dentado.

Como puede verse en la figura 1, el marcatallas dentado 1 se encuentra situado en la base del gancho 2 después de pasar por el mismo gancho, de forma que aloje el trinquete 3 que sobresale de la estructura arqueada 4 de la percha para ropa, donde actúa como un marcador de identificación de talla.

Como puede verse en las figuras comprendidas entre la 5 y la 8 en una primera realización del descubrimiento, el marcatallas dentado 1 está acoplado directamente al trinquete 3 mediante dos dientes 5 opuestos entre ellos, contenidos dentro de la estructura de alojamiento del mismo marcatallas dentado, y situados de forma que, durante la fase operativa, los antedichos dientes encajen dentro de dos ranuras correspondientes 6, cortadas en el mismo trinquete.

Como puede verse en las figuras comprendidas entre la 9 y la 12, se ha adaptado una segunda realización del descubrimiento para perchas para ropa donde el trinquete 3 esté equipado en ambos lados con aletas de refuerzo 7, de forma que el marcatallas dentado 1 esté acoplado a los lados del trinquete, mediante uno o varios dientes 8, presentes dentro de la estructura de alojamiento del marcatallas dentado y situados de forma que, durante la fase operativa, los antedichos dientes encajen bajo las antedichas aletas.

Como puede verse en las figuras comprendidas entre la 13 y 15 en una tercera realización del descubrimiento, el marcatallas dentado 1 está acoplado a la estructura arqueada 4 de la percha, mediante una o varias varillas 9, obtenidas dentro de la estructura de alojamiento del mismo marcatallas dentado, y que sobresalen ligeramente de la base inferior para que durante la fase operativa, las partes finales dentadas 10 de las varillas encajen en los alojamientos correspondientes 10.1 cortados en el cuello de la antedicha estructura arqueada y que se encuentran posicionados a cada lado del trinquete 3.

Como puede verse en las figuras comprendidas entre la 16 y la 18 en una cuarta realización del descubrimiento, se contempla que las dos aletas 11, que forman la pared abierta superior del marcatallas dentado, estén equipadas en los lados con huecos 12, que separan las antedichas aletas del resto de la estructura de alojamiento, haciendo que sea más flexible y, por consiguiente, facilitando las acciones para encajar y colocar el marcatallas dentado 1 en el trinquete 3.

De nuevo, en la cuarta realización mencionada, se ha contemplado que los dientes 5 opuestos entre ellos, contenidos dentro de la estructura de alojamiento del mismo marcatallas dentado y que, durante la fase operativa, están encajados en las dos ranuras correspondientes 6, cortadas en el trinquete 3, se encuentren situados en el borde la pared superior abierta. Esta solución constructiva permite que la zona de acoplamiento entre el diente 5 y la ranura correspondiente 6 se encuentre situada cerca de la parte superior del trinquete 3, y por consiguiente de forma ventajosa, la antedicha zona resulta suficientemente alejada de la porción del trinquete en donde la parte terminal o "uña" 13 del gancho 2 está encajada (véase la figura 20), y por consiguiente la antedicha zona no está sujeta a la deformación durante la fase de encaje del gancho en el mismo trinquete.

Además, como puede verse en la vista detallada de la figura 20, el descubrimiento contempla en la zona de acoplamiento del diente 5, que el diámetro del agujero en el trinquete 3 sea más grande que el diámetro del gancho 2 para crear un canal "K" que se extienda bajo la antedicha zona de acoplamiento y que cause la reducción del grosor en el cuello 3.1 para que cuando la uña 13 del gancho 2 pase por éste, no deforme la porción mencionada 3.1 ni el alojamiento de la relativa ranura 6.

Además, como puede verse en la vista detallada de la figura 20, el diente 5 presenta un sección en forma de aguja donde el vértice es definido mediante dos planos inclinados en relación con el plano horizontal para facilitar las fases de acoplamiento y separación en el alojamiento de la ranura 6, cuando hay que quitar la pinza de sujeción del marcatallas dentado, por ejemplo, para reciclaje.

En particular, como puede verse en la vista detallada de la figura 20, las superficies del diente 5 y del trinquete 6, respectivamente 5.1 y 6.1, que durante la fase operativa se miran mutuamente, están situadas en una posición inclinada para que al variar el ángulo, se pueda aumentar o reducir la fuerza requerida para quitar el marcatallas dentado y esta posibilidad es particularmente importante para garantizar protección contra la manipulación por parte de niños pequeños.

Además, como puede verse en la vista detallada de la figura 19, para facilitar el acoplamiento entre el diente 5 y el alojamiento 6, se ha contemplado que así como con un perfil normal cerrado, el alojamiento mencionado 6 pueda configurarse también abierto en un lado 6.1, o configurado abierto en ambos lados 6.2 para recibir dientes de diferentes anchos de todo tipo.

Además para simplificar el acoplamiento del marcatallas dentado 1 en el trinquete 3, se ha previsto que la porción superior 3.2 del trinquete presente una configuración con una forma ligeramente en cuña, mediante la creación de superficies inclinadas 14, en donde los dientes 5 encajan mediante una acción deslizante.

Como puede verse en las figuras comprendidas entre la 21 y la 23 en una quinta realización del descubrimiento, se ha contemplado que el acoplamiento de enganche entre el marcatallas dentado 1 y el trinquete 3 se realice mediante las aletas superiores 11 del marcatallas dentado que encajan durante la fase operativa en las ranuras correspondientes 15 cortadas en el mismo trinquete.

Específicamente, como puede verse en la figura 24, las ranuras 15 están situadas delante de las aletas 11 y están dispuestas giradas a 90° en relación a las ranuras 6 descritas anteriormente (véase la figura 19).

Además para simplificar la colocación del marcatallas dentado 1 en el trinquete 3, también en esta ulterior realización, la porción superior 3.2 del trinquete 3 presenta superficies inclinadas 16 en las que las partes finales de las aletas 11 encajan para deslizarse antes de alojarse en las ranuras correspondientes 15.

Como puede verse en las figuras 27 y 30, para facilitar la colocación y el centrado del marcatallas dentado, se ha contemplado que al menos una pared lateral 17 esté formada en el trinquete 3, que durante la fase operativa, entra en contacto con

la parte interna "T" del marcatallas dentado 1 y, por consiguiente, evita una rotación mutua del trinquete/marcatallas dentado alrededor del eje "Z" del gancho 2.

Desde el punto de vista del aspecto de la construcción, como puede verse en las figuras comprendidas entre la 27 y la 29, en las perchas donde el trinquete 3 se combina con una varilla lateral del refuerzo 7 (véase la figura 3.1) la acción de centrado del marcatallas dentado se obtiene contemplando que la varilla mencionada tenga un ancho al menos igual al ancho del mismo trinquete, para realizar las paredes 17.1, que forman una zona de contacto frontal, que actúa como una guía y elemento antirrotación para el marcatallas dentado mencionado.

Alternativamente, como puede verse en las figuras comprendidas entre la 30 y la 32, en las perchas con una sección en forma de U invertida, donde el trinquete es principalmente un elemento cilíndrico, la acción de centrado del marcatallas dentado se obtiene realizando paredes laterales 17.2, que impiden la rotación del marcatallas dentado 1.

Naturalmente se pueden hacer otras realizaciones para marcatallas dentado basadas en la configuración prismática del marcatallas dentado y del tipo de soporte, sin embargo, éstas quedan dentro del contexto de las reivindicaciones definidas a continuación.

(57) Resumen: El presente descubrimiento se refiere a un marcatallas dentado para aplicaciones en objetos que identificar, en particular en perchas y objetos similares, del tipo mediante ensamblaje en el gancho de las antedichas perchas y a continuación posicionándolo coaxialmente con un trinquete, que sobresale de la estructura arqueada de la percha y que compone la base reforzada del gancho. El antedicho marcatallas dentado se caracteriza por el hecho de que tiene en su interior una o varias partes sobresalientes elásticas que, durante la fase operativa, penetran en el trinquete del gancho o en el cuerpo de la antedicha estructura arqueada para formar un acoplamiento de enganche del antedicho marcatallas dentado.

REIVINDICACIONES

1. MARCATALLAS DENTADO para aplicación en objetos para su identificación, en particular, en perchas y objetos similares, del tipo que se ensambla encajándolo en el gancho, y situado coaxialmente con un trinquete que sobresale de la estructura arqueada de la percha y que forma la base reforzada del mismo gancho, el antedicho marcatallas dentado se caracteriza por el hecho de que tiene en su interior una o varias partes sobresalientes elásticas, que durante la fase operativa penetran en el trinquete del gancho o en el cuerpo de la estructura arqueada, de forma que se crea un acoplamiento del tipo enganche para el antedicho marcatallas dentado.
2. MARCATALLAS DENTADO según la reivindicación 1, del tipo que se encuentra situado en la base del gancho (2) después de pasar a través del gancho, de forma que se aloja en el trinquete (3), sobresaliendo de la estructura arqueada (4) de la percha para ropa, el antedicho marcatallas dentado se caracteriza por el hecho de que el acoplamiento del marcatallas dentado (1) se realiza directamente en el trinquete (3) mediante uno o varios dientes (5) presentes dentro de la estructura de alojamiento del mismo marcatallas dentado, y situados de forma que durante la fase operativa, los antedichos dientes encajan en las ranuras correspondientes (6) cortadas en el mismo trinquete.
3. MARCATALLAS DENTADO según la reivindicación 1, del tipo situado en la base del gancho (2) después de haber pasado a través del mismo gancho de forma que encaja en el trinquete (3) sobresaliendo de la estructura arqueada (4) y equipado con aletas reforzadas (7), el antedicho marcatallas dentado se caracteriza por el hecho de que el acoplamiento del marcatallas dentado (1) se realiza mediante uno o varios dientes (8) presentes dentro de la estructura de alojamiento del mismo marcatallas dentado, y situados de forma que durante la fase operativa, los antedichos dientes encajan bajo las antedichas aletas (7).
4. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que una pluralidad de dientes (5,8) se encuentran dentro de la estructura de alojamiento.
5. MARCATALLAS DENTADO según la reivindicación 1, caracterizado por el hecho de que el acoplamiento del marcatallas dentado (1) se realiza en la estructura arqueada (4) de la percha, mediante una o varias varillas flexibles (9) obtenidas dentro de la estructura de alojamiento del mismo marcatallas dentado y ligeramente sobresalientes de la base inferior para que durante la fase operativa, las partes finales dentadas (10) de las antedichas varillas encajan en los alojamientos correspondientes (10.1)

cortados en el cuello de la estructura arqueada (4) y situados a cada lado del trinquete (3).

5 6. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que las dos aletas (11) que forman la pared superior abierta del marcatallas dentado (1) tienen lados con huecos (12) que separan las aletas anteriormente mencionadas del resto de la estructura de alojamiento, para proporcionar una elasticidad y deformación potenciadas.

10 7. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que los dientes (5) opuestos entre ellos, presentes dentro de la estructura de alojamiento del mismo marcatallas dentado, durante la fase operativa permanecen encajados en dos ranuras correspondientes (6) cortadas en el trinquete (3), están situados en el borde de la pared superior abierta.

15 8. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que en la zona de acoplamiento del diente (5), el diámetro del agujero en el trinquete (3) es más grande que el diámetro del gancho (2) de forma que se crea un canal (K) que se extienda bajo la antedicha zona de acoplamiento y que causa la
20 reducción del grosor de la porción del cuello (3.1) de forma que cuando la uña (13) del gancho (2) esté encajada, la antedicha uña no deforma la porción mencionada ni el relativo alojamiento de la ranura (6).

25 9. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que el diente (5) presenta una sección en forma de aguja donde el vértice queda definido mediante dos planos en una posición inclinada en relación con el plano horizontal.

30 10. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que la superficie (5.1) del diente (5) y la superficie (6.1) del trinquete (6) que durante la fase operativa se miran recíprocamente, resultan ambas en una posición inclinada de forma que, al variar el ángulo, se puede aumentar o reducir la fuerza requerida para quitar el marcatallas dentado.

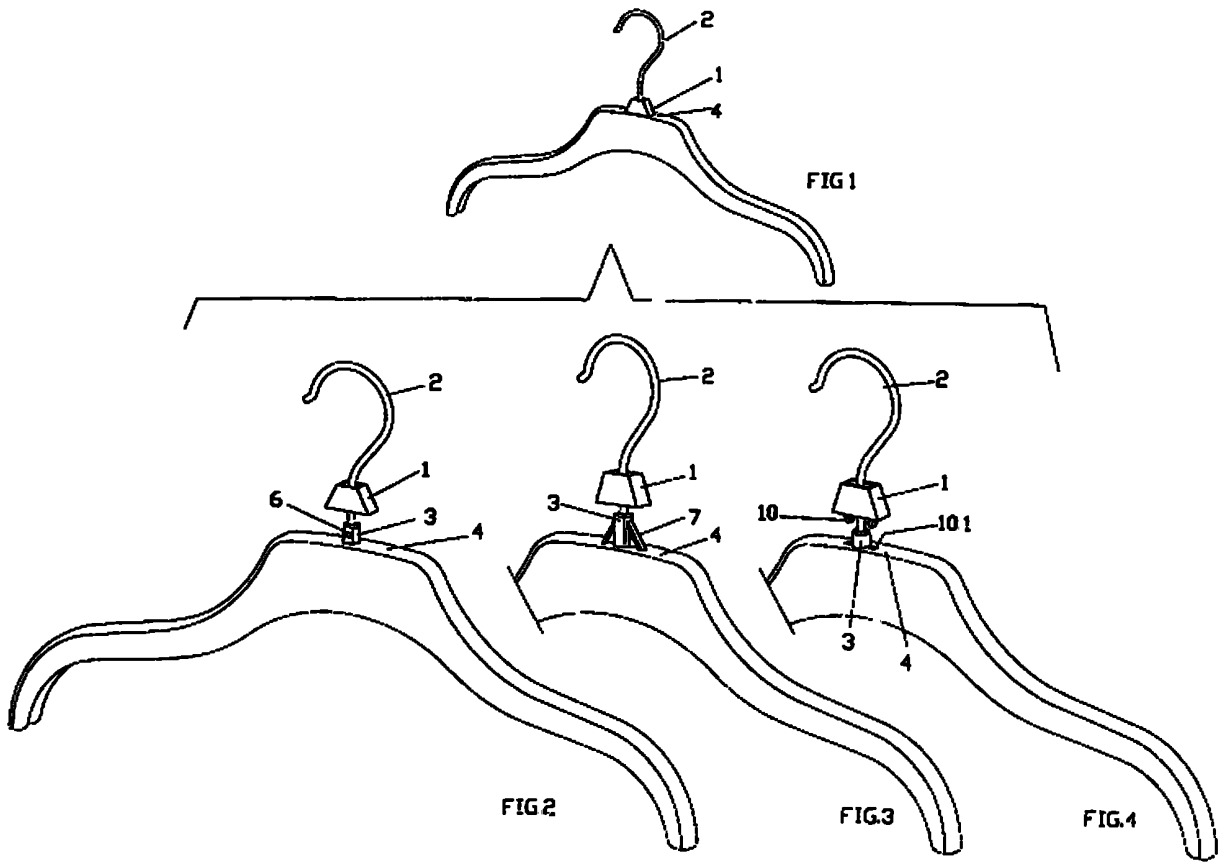
35 11. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que el alojamiento (6.1) se ha configurado abierto en un lado individual.

12. MARCATALLAS DENTADO según una o varias de las anteriores

reivindicaciones caracterizado por el hecho de que el alojamiento (6.1) se ha configurado abierto en ambos lados.

- 5 13. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que en el trinquete (3) se ha contemplado que la porción superior (3.2) del trinquete presente una forma ligeramente en cuña por la creación de superficies inclinadas (14) en las que los dientes (5) encajan para deslizarse.
- 10 14. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que el acoplamiento de enganche entre el marcatallas dentado (1) y el trinquete (3) se realiza mediante aletas superiores (11) del mismo marcatallas dentado que se acoplan durante la fase operativa con las ranuras correspondientes (15) cortadas en el mismo trinquete y dispuestas giradas a 90° respecto a las ranuras (6).
- 15 15. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que en la porción superior (3.2) del trinquete (3) hay superficies inclinadas (16) en las que las partes finales de las aletas (11) encajan para deslizarse antes de encajar en las ranuras correspondientes (15).
- 20 16. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que en el trinquete (3) hay al menos una pared lateral (17) que durante la fase operativa, se mueve para entrar en contacto con la parte interior (T) del marcatallas dentado (1) y por consiguiente impide la rotación mutua del trinquete/marcatallas dentado
- 25 alrededor del eje (Z) del gancho (2).
- 30 17. MARCATALLAS DENTADO según la reivindicación 16, caracterizado por el hecho de que en las perchas donde el trinquete (3) cuenta con una varilla de refuerzo lateral (7), la acción antirrotación del marcatallas dentado (1) se obtiene contemplando que el ancho de la varilla mencionada sea al menos igual que el ancho del mismo trinquete para realizar paredes (17.1) que crean una zona delantera de contacto contra la pared interna (T) del mismo marcatallas dentado.
- 35 18. MARCATALLAS DENTADO según la reivindicación 16, caracterizado por el hecho de que en perchas con una sección en forma de u invertida, donde el trinquete (3) es simplemente un cuerpo cilíndrico principalmente, la acción antirrotación del marcatallas dentado (1) se obtiene realizando al menos una o preferentemente dos paredes laterales (17.2) que están en contacto con las paredes internas (T) del marcatallas dentado.

19. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que la estructura de alojamiento presenta una forma prismática de cualquier tipo.



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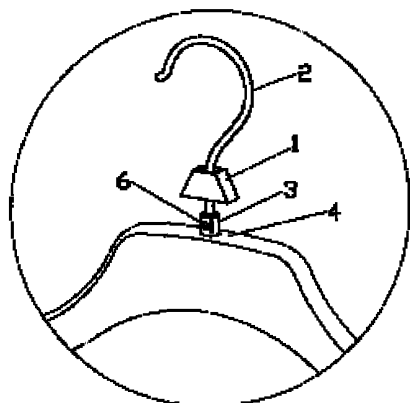


FIG 21

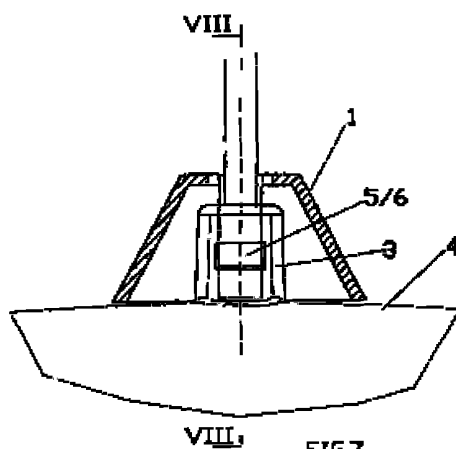


FIG 7

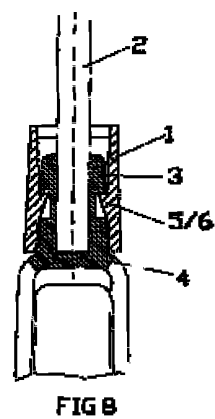


FIG 8

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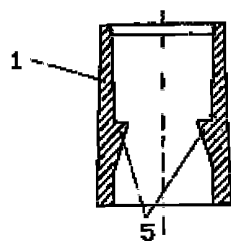


FIG 6

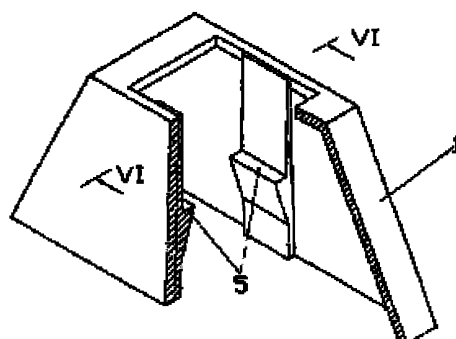


FIG 5

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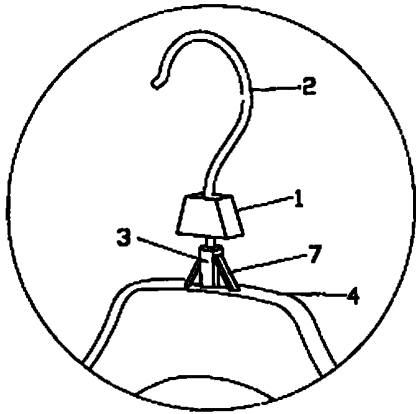


FIG 31

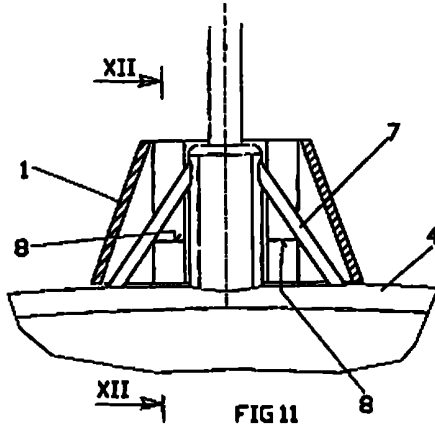


FIG 11

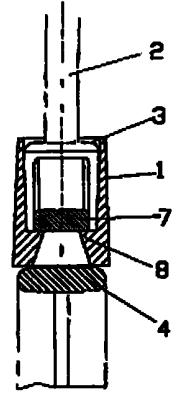


FIG 12

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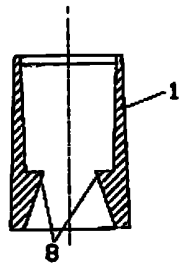


FIG 10

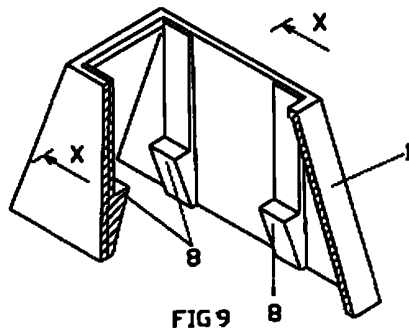


FIG 9

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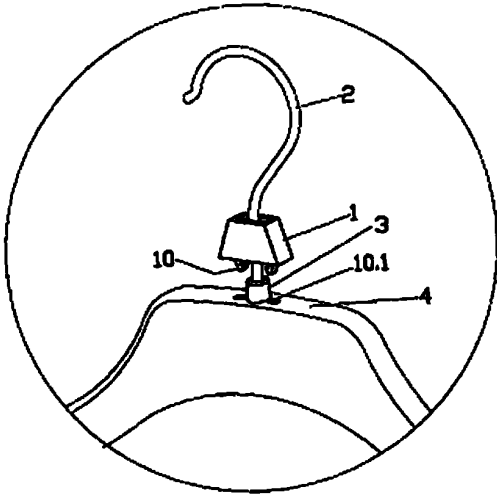


FIG 41

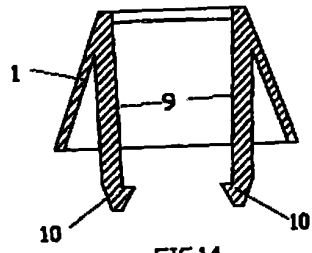


FIG 14

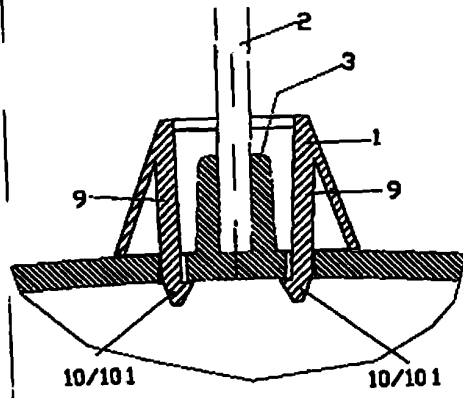


FIG 15

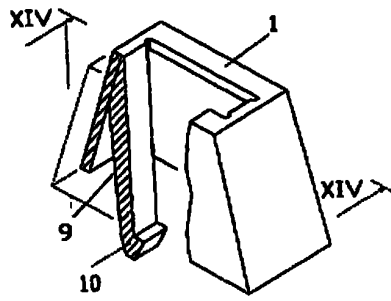


FIG 13

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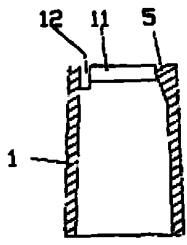


FIG 18

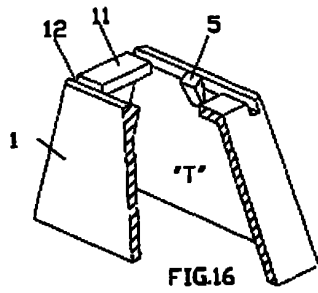


FIG 16

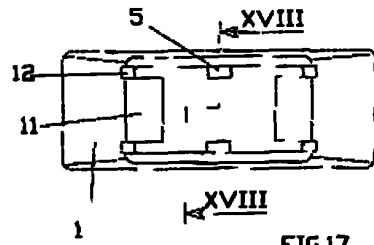


FIG 17

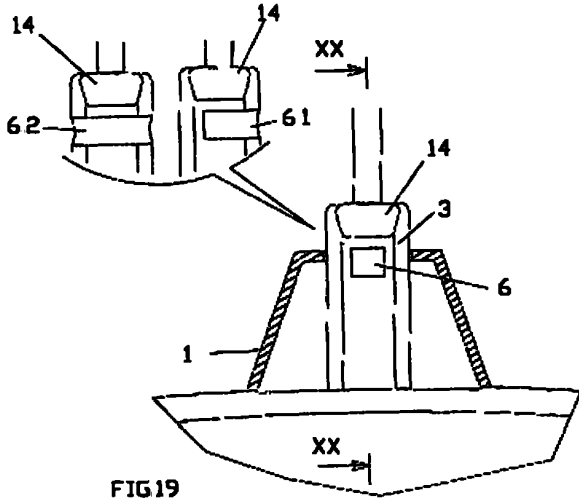


FIG 19

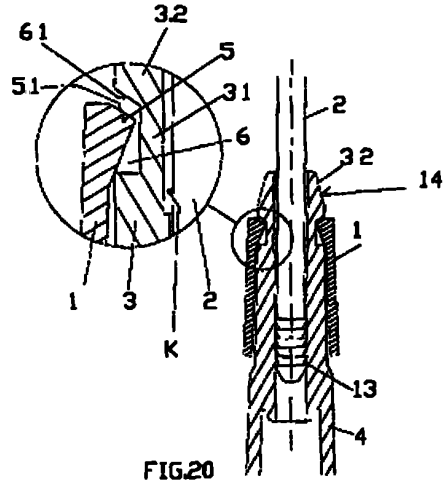
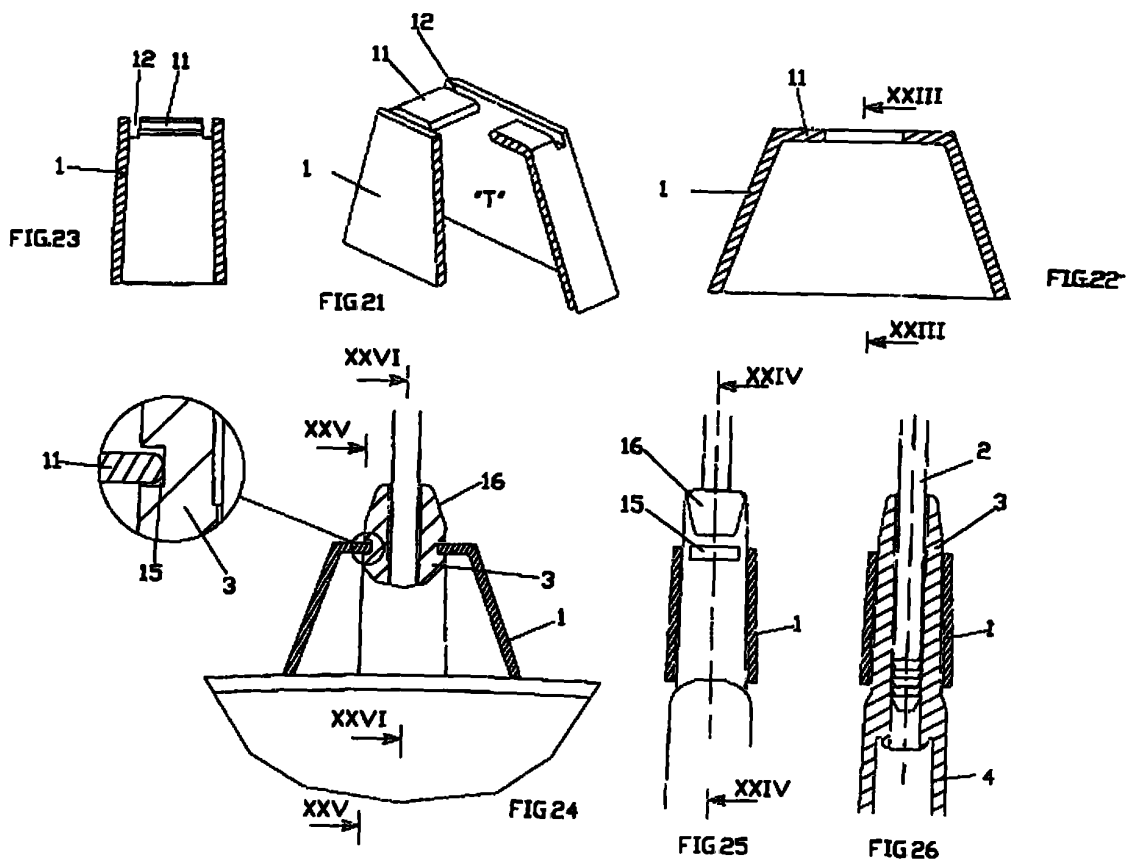


FIG 20

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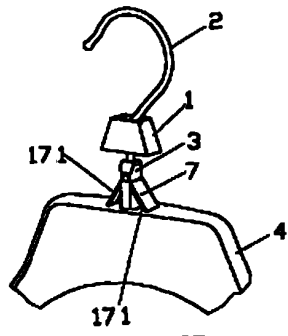


FIG. 27

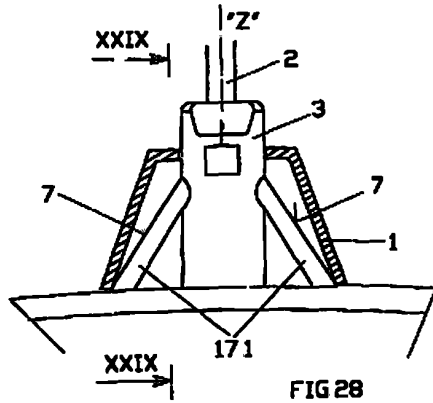


FIG. 28

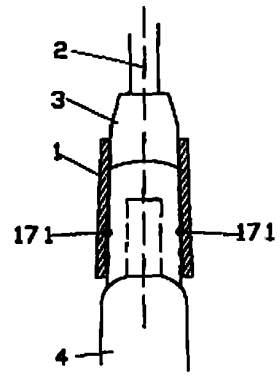


FIG. 29

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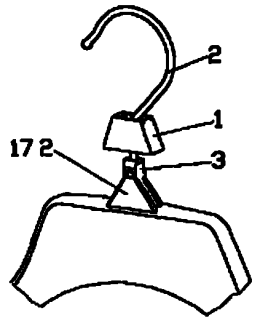


FIG. 30

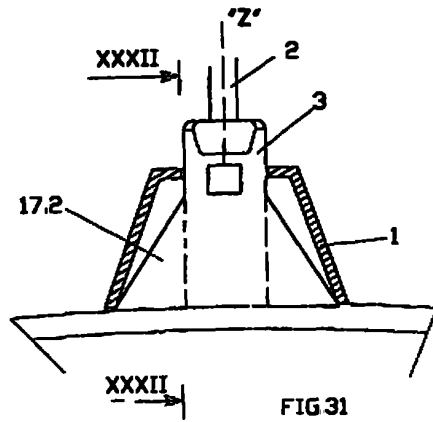


FIG. 31

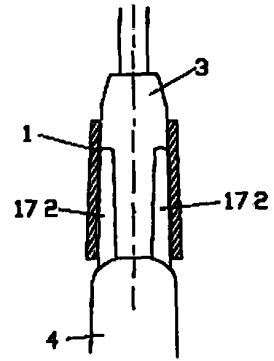


FIG. 32

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 05146	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, Box 5 below.	
International application No. PCT/EP2005/007172	International filing date (day/month/year) 02/07/2005	(Earliest) Priority Date (day/month/year) 09/07/2004
Applicant MAINETTI TECNOLOGIE S.P.A.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 2

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REP RT

International Application No
PCT/EP2005/007172

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A47G1/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A47G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 123 864 A (BATTS ET AL) 7 November 1978 (1978-11-07) figures column 4, line 20 - line 22 column 4, line 31 - line 40 column 4, line 59 - line 62 column 5, line 23 - line 32 column 5, line 52 - line 55 column 5, line 61 - line 66 column 6, line 56 - line 59	1, 2, 16
X	US 4 322 902 A (LENTHALL ET AL) 6 April 1982 (1982-04-06) figures 3-6 column 2, line 47 - line 55 column 3, line 22 - line 35 -/-	1-4, 6, 7, 19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document not published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reasons (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

14 October 2005

Date of mailing of the international search report

25/10/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentzen 2
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Fax. (+31-70) 340-2010

Authorized officer

van Overbeek, K

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP2005/007172

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C/Continuation DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 881 836 A (BLANCHARD ET AL) 21 November 1989 (1989-11-21) figures column 2, line 58 - line 66 column 3, line 14 - line 60	1, 16, 18, 19
A	GB 2 318 726 A (* FERGUSON; * ALPHARE LIMITED; * MORPLAN LIMITED) 6 May 1998 (1998-05-06) abstract; figures	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/007172

49

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4123864	A	07-11-1978	NONE
US 4322902	A	06-04-1982	NONE
US 4881836	A	21-11-1989	NONE
GB 2318726	A	06-05-1998	NONE

50

From the INTERNATIONAL BUREAU

PCT**NOTIFICATION OF THE RECORDING
OF A CHANGE**(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

BETTELLO, Pietro
Via Col D'Echele, 25
I-36100 Vicenza
ITALIE

Date of mailing (day/month/year)

23 November 2006 (23.11.2006)

Applicant's or agent's file reference

05146

IMPORTANT NOTIFICATION

International application No.

PCT/EP2005/007172

International filing date (day/month/year)

02 July 2005 (02.07.2005)

1. The following indications appeared on record concerning:

☒ the applicant☐ the inventor☐ the agent☐ the common representative

Name and Address

MAINETTI TECNOLOGIE S.P.A.

Via Casaretto, 58

I-36070 Castelgomberto

Italy

State of Nationality

IT

State of Residence

IT

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person☒ the name☐ the address☐ the nationality☐ the residence

Name and Address

MAINETTI S.P.A.

Via Casaretto, 58

I-36070 Castelgomberto

Italy

State of Nationality

IT

State of Residence

IT

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office☐ the International Searching Authority☐ the International Preliminary Examining Authority☒ the designated Offices concerned☐ the elected Offices concerned☐ other:The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Righetto Norbert

Facsimile No. +41 22 338 70 80

Telephone No. +41 22 338 98 89

Facsimile No. +41 22 338 82 70

Form PCT/IB/306 (October 2003)

I/C11/EL7F0

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

PCT/EP 2005 / 007172	
International Application No.	
(02.07.2005)	02 JUL 2005
International Filing Date	
EUROPEAN PATENT OFFICE PCT INTERNATIONAL APPLICATION	
Name of receiving Office and "PCT International Application"	
Applicant's or Agent's file reference (if desired) (12 characters maximum) 05148	

Box No. I TITLE OF INVENTION CROWN SIZER	
Box No. II APPLICANT ☐ This person is also inventor	
Name and address: (Family name followed by given names; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this form is the applicant's State (that is, country) of residence if no State of residence is indicated below.) MAINETTI TECNOLOGIE S.P.A. Via Casaretto, 58 I-36070 CASTELGOMBERTO (Vicenza) ITALY	
Telephone No. IT-0445-428511	
Facsimile No. IT-0445-428508	
Teleprinter No.	
Applicant's registration No. with the Office	
State (that is, country) of nationality: IT	State (that is, country) of residence: IT
This person is applicant for the purposes of: ☐ all designated States ☒ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)	
Name and address: (Family name followed by given names; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this form is the applicant's State (that is, country) of residence if no State of residence is indicated below.) MAINETTI, MARIO Via Cometto, 2/G I-36078 VALDAGNO (Vicenza) ITALY	
This person is: ☐ applicant only ☒ applicants and inventor ☐ inventor only (if this check-box is marked, do not fill in below.)	
Applicant's registration No. with the Office	
State (that is, country) of nationality: IT	State (that is, country) of residence: IT
This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box	
☐ Further applicants and/or (further) inventors are indicated on a continuation sheet.	
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE	
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: ☒ agent ☐ common representative	
Name and address: (Family name followed by given names; for a legal entity, full official designation. The address must include postal code and name of country.) BETTELLO, PIETRO Via Col D'Echelle, 25 I-36100 VICENZA ITALY	
Telephone No. IT-0444-288411	
Facsimile No. IT-0444-288400	
Teleprinter No.	
Agent's registration No. with the Office	
☐ Address for correspondence: Mark this check-box where no agent or common representative has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.	

Box No. V

DESIGNATIONS

The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents. However,

☐

DE Germany is not designated for any kind of national protection

☐

KR Republic of Korea is not designated for any kind of national protection

☐

RU Russian Federation is not designated for any kind of national protection

(The check-boxes above may be used to exclude (irrevocably) the designations concerned in order to avoid the creating of the effect, under the national law, of an earlier national application from which priority is claimed. See the Notes to Box No. V as to the consequences of such national law provisions in case and certain other States.)

Box No. VI

PRIORITY CLAIM

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country or Member of WTO	regional application: regional Office	international application: receiving Office
Item (1) 08 July 2004 (09.07.2004)	VI2004A000168	IT		
Item (2) 14 January 2005 (14.01.2005)	VI2005A000007	IT		
Item (3)				

☐

Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

☐

all items

☐

Item (1)

☐

Item (2)

☐

Item (3)

☐

other, see Supplemental Box

* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.1U(5)(b)): ...

Box No. VII

INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA / .EP

Request to use results of earlier search: reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year)	Number	Country (or regional Office)
-----------------------	--------	------------------------------

Box No. VIII

DECLARATIONS

The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

		Number of declarations
☐		

Box No. VIII (i)

Declaration as to the identity of the inventor

 : | || ☒ |

Box No. VIII (ii)

Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent

Box No. VIII (i) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT

The declaration conforms to the standardized wording provided for in Section 2.12; see Notes to Boxes Nos. VII, VIII (i) to (j) in general and the specific Note to Box No. VIII (i). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(a) and 5 (bis) 1(a)(i)), in a case where the declaration under Rule 4.17(iv) is not appropriate:

In relation to this international application,

MAINETTI TECNOLOGIE S.P.A. is entitled to apply for and be granted a patent by virtue of the following:

an assignment from

MAINETTI MARIO, Via Cometto, 2/A - I-36078 VALDAGNO (Vicenza)

to MAINETTI TECNOLOGIE S.P.A., dated 9 July 2004 (09.07.2004).

This declaration is made for the purposes of all designations, except for the designation of the United States of America.

☐ This declaration is confirmed on the following sheet, "Confirmation of Box No. VIII (i)".

Sheet No. 4

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Box No. VII (ii) DECLARATION: ENTITLEMENT TO CLAIM PRIORITY

The declaration must conform to the standardized wording provided for in Section 2.13; see Notes to Boxes Nos. VII, VII (i) to (iv) (in general) and the specific Notes to Box No. VII (ii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(ii) and 5 bis.16(ii)):

In relation to this international application,

MAINETTI MARIO is entitled to claim priority of earlier applications

No. V12004A000168 and No. V12005A000007

by virtue of the following:

the application is the inventor of the subject matter for which protection was sought by way of the earlier applications.

This declaration is made for the purposes of the following designations for national and/or regional patents: US.

☐ This declaration is continued on the following sheet, "Continuation of Box No. VII (ii)".

Box No. VIII (iv) **DECLARATION: INVENTORSHIP** (only for the purpose of the designation of the United States of America)
The declaration must conform to the following requirements provided for in Section 214, and Annex to Annex No. VIII, VII (i) to (iv) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

**Declaration of Inventorship (Rules 4.17(iv) and 5.16.1(a)(iv))
for the purpose of the designation of the United States of America:**

I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to international application No. PCT/..... (if furnishing declaration pursuant to Rule 26ter).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I hereby state that I have reviewed and understood the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

Prior Applications

I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are made punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: **MAINETTI MARIO**

Residence: **I-38078 VALDAGNO (Vicenza)**

(city and either US state, if applicable, or country)

Mailing Address: **Via Cornetta, 8/A**

I-38078 VALDAGNO (Vicenza)

Citizenship: **ITALIAN**

Inventor's Signature: *Mario Mainetti*

(If not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date: **27 June 2005**

(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

Name:

Residence:

(city and either US state, if applicable, or country)

Mailing Address:

Citizenship:

Inventor's Signature:

(If not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date:

(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

☐ This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

570
56

Box No. IX CITECX LIST; LANGUAGE OF FILING																																																							
This international application contains: (a) In paper form, the following number of sheets: <table border="0"><tr><td>request (including declaration sheet)</td><td>6</td></tr><tr><td>description (excluding sequence listing and/or tables related thereto)</td><td>6</td></tr><tr><td>claims</td><td>5</td></tr><tr><td>abstract</td><td>1</td></tr><tr><td>drawings</td><td>7</td></tr><tr><td>Sub-total number of sheets</td><td>27</td></tr><tr><td>sequence listing</td><td></td></tr><tr><td>tables related thereto</td><td></td></tr><tr><td colspan="2">(For both, actual number of sheets filled in paper form, whether or not also filled in computer readable form; see (c) herein)</td></tr><tr><td>Total number of sheets</td><td>27</td></tr></table> (b) ☐ only in computer readable form (Section 801(a)(ii)) (i) ☐ sequence listing (ii) ☐ tables related thereto (c) ☐ also in computer readable form (Section 801(a)(ii)) (i) ☐ sequence listing (ii) ☐ tables related thereto Type and number of copies (electronic, CD-ROM, CD-R or other) in which are contained the: ☐ sequence listing ☐ tables related thereto (Additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	request (including declaration sheet)	6	description (excluding sequence listing and/or tables related thereto)	6	claims	5	abstract	1	drawings	7	Sub-total number of sheets	27	sequence listing		tables related thereto		(For both, actual number of sheets filled in paper form, whether or not also filled in computer readable form; see (c) herein)		Total number of sheets	27	This international application is accompanied by the following item(s) (mark the appropriate check-boxes below and indicate in right column the number of each item): <table border="0"><tr><td>1. ☒ fee calculation sheet</td><td>Number of items: 1</td></tr><tr><td>2. ☐ original separate power of attorney</td><td>:</td></tr><tr><td>3. ☐ original general power of attorney</td><td>:</td></tr><tr><td>4. ☐ copy of general power of attorney; reference number, if any:</td><td>:</td></tr><tr><td>5. ☐ electronic explaining lack of signature</td><td>:</td></tr><tr><td>6. ☐ priority document(s) identified in Box No. VI as item(s):</td><td>:</td></tr><tr><td>7. ☐ translation of international application into (language):</td><td>:</td></tr><tr><td>8. ☐ separate indications concerning deposited microorganisms or other biological material</td><td>:</td></tr><tr><td>9. ☐ sequence listing in computer readable form (indicate type and number of carriers)</td><td>:</td></tr><tr><td>(i) ☐ copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)</td><td>:</td></tr><tr><td>(ii) ☐ (only where check-box (i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter</td><td>:</td></tr><tr><td>(iii) ☐ together with relevant instrument as to the identity of the copy or copies with the sequence listing mentioned in left column</td><td>:</td></tr><tr><td>10. ☐ tables in computer readable form related to sequence listing (indicate type and number of carriers)</td><td>:</td></tr><tr><td>(i) ☐ copy submitted for the purposes of international search under Section 802(a)(ii) only (and not as part of the international application)</td><td>:</td></tr><tr><td>(ii) ☐ (only where check-box (i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(a)(ii) only</td><td>:</td></tr><tr><td>(iii) ☐ together with relevant instrument as to the identity of the copy or copies with the tables mentioned in left column</td><td>:</td></tr><tr><td>11. ☐ other (specify):</td><td>:</td></tr></table>	1. ☒ fee calculation sheet	Number of items: 1	2. ☐ original separate power of attorney	:	3. ☐ original general power of attorney	:	4. ☐ copy of general power of attorney; reference number, if any:	:	5. ☐ electronic explaining lack of signature	:	6. ☐ priority document(s) identified in Box No. VI as item(s):	:	7. ☐ translation of international application into (language):	:	8. ☐ separate indications concerning deposited microorganisms or other biological material	:	9. ☐ sequence listing in computer readable form (indicate type and number of carriers)	:	(i) ☐ copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)	:	(ii) ☐ (only where check-box (i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	:	(iii) ☐ together with relevant instrument as to the identity of the copy or copies with the sequence listing mentioned in left column	:	10. ☐ tables in computer readable form related to sequence listing (indicate type and number of carriers)	:	(i) ☐ copy submitted for the purposes of international search under Section 802(a)(ii) only (and not as part of the international application)	:	(ii) ☐ (only where check-box (i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(a)(ii) only	:	(iii) ☐ together with relevant instrument as to the identity of the copy or copies with the tables mentioned in left column	:	11. ☐ other (specify):	:
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11. ☐ other (specify):	:																																																						
Figure of the drawings which should accompany the abstract: 2	Language of filing of the international application: English																																																						

Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Place in each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the signature).

BETTELLO PIETRO 

For receiving Office use only	
1. Date of actual receipt of the purported international application: 02 JUL 2005 (02.07.05)	2. Drawings: ☒ received ☐ not received
3. Cumulated date of actual receipt plus or later but timely received pages or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 31(2):	
5. International Searching Authority (if two or more are competent): ISA /	6. ☐ Transmittal of search copy delayed until search fee is paid

For International Bureau use only

Date of receipt of the second copy by the International Bureau:

International Application
International filing date
Applicant:

N. PCT/EP2005/
02.07.05
Mainetti Tecnologie SPA

Statement under art. 19 (1)

We file a new version of the claim 1 in which are included the features of the original claim 19, that is cancelled. Moreover in the same new claim 1 has been better printed out that when the crown sizer has been set it cannot move both in rotational and in axial way on respect to the object on which it is applied, in particular a hanger.

In effect the most important feature regarding the novelty of the invention on respect of the documents cited in the Search Report (in particular US-A-4123864) consists just in the fact that the device according to the invention has not any possibility of freedom of movement in axial way on respect to the hanger after having applied to the hanger this feature does not exist in the devices according to the prior art.

AMENDED CLAIMS

[received by the International Bureau on 07 December 2005 (07.12.05);
original claims 1-19 replaced by amended claims 1-18 (5 pages)]

*** STATEMENT**

1. CROWN SIZER for application on objects to be identified,
in particular, on hangers and the like, of the type that
is assembled by insertion on the hook, and then
positioned coaxially with a pawl which protrudes from
the arched structure of the hanger and which forms the
reinforced base of the hook itself,

said crown sizer being characterised in that

it comprises an encasing structure presenting a
substantially prismatic form of any type, providing in
its interior one or more elastic protrusions, which
during the operational stage penetrate in the hook pawl
or in the body of the arched structure, in a manner to
create a clip-type attachment for said crown sizer, in
order to avoid any possibility both of axial and
rotational movements of the crown on respect of the
object on which it is applied.

2. CROWN SIZER according to claim 1, of the type that is
positioned at the base of the hook (2) after its
insertion through the hook itself, in a manner so that
it encases the pawl (3), protruding from the arched
structure (4) of the clothes hanger, said crown sizer
being characterised in that the crown sizer (1)
attachment is performed directly on the pawl (3) by
means of one or more teeth (5) present inside the
encasing structure of the crown sizer itself, and
positioned in a manner so that in operational stage,
said teeth are inserted into corresponding slots (6) cut
into the pawl itself.

3. CROWN SIZER according to claim 1, of the type that is
positioned at the base of the hook (2) after its
insertion through the hook itself, in a manner so that
it encases the pawl (3), protruding from the arched
structure (4) and equipped with reinforcing fins (7),

AMENDED SHEET (ARTICLE 19)

5 said crown sizer being characterised in that the crown sizer (1) attachment is performed by means of one or more teeth (8) present inside the encasing structure of the crown sizer itself, and positioned in a manner so that in operational stage, said teeth are inserted under said fins (7).

4. CROWN SIZER according to one or more of the previous claims characterised in that a plurality of teeth (5.8) are present inside the encasing structure.

10 5. CROWN SIZER according to claim 1, characterised in that the crown sizer (1) attachment is performed on the arched structure (4) of the hanger, by means of one or more flexible tangs (9) obtained inside the encasing structure of the crown sizer itself and slightly
15 protruding from the lower base so that, in operational stage, the toothed ends (10) of said tangs are inserted into corresponding seats (10.1) cut into the neck of the arched structure (4) and positioned on each side of the pawl (3).

20 6. CROWN SIZER according to one or more of the previous claims characterised in that the two fins (11) that form the upper open wall of the crown sizer (1) are equipped on the sides with recesses (12) which separate the abovementioned fins from the rest of the encasing
25 structure, to provide increased elasticity and deformability.

7. CROWN SIZER according to one or more of the previous claims characterised in that the teeth (5) opposite each other, present inside the encasing structure of the
30 crown sizer itself, and that in operational stage are inserted into two corresponding slots (6) cut on the pawl (3) are positioned at the edge of the upper open wall.

8. CROWN SIZER according to one or more of the previous

AMENDED SHEET (ARTICLE 19)

- claims characterised in that at the attachment zone of the tooth (5) the diameter of the hole on the pawl (3) is larger than the diameter of the hook (2) in a manner to create a channel (K) that extends under said attachment zone and that causes the reduction of the thickness of the portion of the neck (3.1) in a manner so that when the nail (13) of the hook (2) is inserted, said nail does not deform the aforesaid portion and the relative seat of the slot (6).
- 5
- 10 9. CROWN SIZER according to one or more of the previous claims characterised in that the tooth (5) presents a spire-shaped section wherein the vertex is defined by two planes set in a sloping position in relation to the horizontal plane.
- 15 10. CROWN SIZER according to one or more of the previous claims characterised in that the surface (5.1) of the tooth (5) and the surface (6.1) of the pawl (6) which in operational stage face each other reciprocally, result as both being in a sloping position so that, by
- 20 varying the angle, it is possible to increase or reduce the force required to remove the size-marker crown sizer.
11. CROWN SIZER according to one or more of the previous claims characterised in that the seat (6.1) is
- 25 configured open on a single side.
12. CROWN SIZER according to one or more of the previous claims characterised in that the seat (6.1) is configured open on both sides.
13. CROWN SIZER according to one or more of the previous claims characterised in that on the pawl (3) it is foreseen that the upper portion (3.2) of the pawl has a slightly wedge-shaped form due to the creation of sloping surfaces (14) on which the teeth (5) are engaged to slide.
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14. CROWN SIZER according to one or more of the previous claims characterised in that the clip attachment between the crown sizer (1) and the pawl (3) is realised by means of the upper fins (11) of the crown sizer itself which are engaged in the operational stage with the corresponding slots (15) cut into the pawl itself and arranged rotated by 90° in relation to the slots (6).
15. CROWN SIZER according to one or more of the previous claims characterised in that on the upper portion (3.2) of the pawl (3) are present sloped surfaces (16) on which the ends of the fins (11) are engaged to slide before their insertion into the corresponding slots (15).
16. CROWN SIZER according to one or more of the previous claims characterised in that on the pawl (3) is present at least one side wall (17) which in operational stage, moves to position itself in contact with the internal part (T) of the crown sizer (1) and thus prevents mutual rotation of the pawl/ crown sizer around the axis (Z) of the hook (2).
17. CROWN SIZER according to claim 16 characterised in that on the hangers where the pawl (3) is combined with a side reinforcing tang (7), the rotation-proof action of the crown sizer (1) is obtained by foreseeing that the width of the aforesaid tang is at least equal to the width of the pawl itself in order to realise walls (17.1) that create a frontal contact zone against the internal wall (T) of the crown sizer itself.
18. CROWN SIZER according to claim 16 characterised in that on the hangers with an "inverted U" shaped section, wherein the pawl (3) is simply a substantially cylindrical body, the rotation-proof action of the crown sizer (1) is obtained realising at least one, or

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preferably two side walls (17.2) that are set in contact against the internal walls "T" of the crown sizer itself.

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AMENDED SHEET (ARTICLE 19)

Solicitud Internacional

N. PCT/EP2005

Rollonado con fecha internacional

02.07.05

Solicitante

Mainetti Teconologies S.p.A

5 DECLARACIÓN SEGÚN ART. 19 (1)

Presentamos una nueva versión de la reivindicación 1 en la que se incluyen las características de la reivindicación original 19, que se ha cancelado. Además en la nueva reivindicación 1 se ha publicado mejor que cuando el marcatallas dentado se ha aplicado no puede cumplir movimientos rotativos ni axiales respecto al objeto en el que se encuentra aplicado, en particular en una percha.

En efecto, la característica más importante relativa a la novedad de la invención respecto a los documentos citados en el Informe de investigación (en particular en el US-A-4123864) consiste precisamente en el hecho de que el dispositivo según la invención no puede cumplir ningún movimiento libremente en el modo axial respecto a la percha tras su aplicación, esta característica no existe en los dispositivos realizados según la técnica anterior.

REIVINDICACIONES MODIFICADAS
PARA REALIZAR EL EXAMEN DE
PATENTABILIDAD

REIVINDICACIONES ENMENDADAS

(recibido por la Oficina Internacional el 7 de diciembre de 2005 (07-12-2005, reivindicaciones originales 1-9 sustituidas por reivindicaciones enmendadas 1-18 (5 páginas)

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DECLARACIÓN

1. MARCATALLAS DENTADO para aplicación en objetos para su identificación, en particular, en perchas y objetos similares, del tipo que se ensambla encajándolo en el gancho, y situado coaxialmente con un trinquete que sobresale de la estructura arqueada de la percha y que forma la base reforzada del mismo gancho, el antedicho marcatallas dentado se caracteriza por el hecho de que comprende una estructura de alojamiento que presenta una forma principalmente prismática de cualquier tipo, que tiene en su interior una o varias partes sobresalientes, que durante la fase operativa penetran en el trinquete del gancho o en el cuerpo de la estructura arqueada, de forma que se crea un acoplamiento del tipo enganche para el antedicho marcatallas dentado, para evitar cualquier posibilidad de movimientos rotativos o axiales del marcatallas dentado respecto al objeto en el que se ha aplicado.
2. MARCATALLAS DENTADO según la reivindicación 1, del tipo situado en la base del gancho (2) después de haber pasado a través del mismo gancho de forma que encaja en el trinquete (3) sobresaliendo de la estructura arqueada (4) de la percha para ropa, el antedicho marcatallas dentado se caracteriza por el hecho de que el acoplamiento del marcatallas dentado (1) se realiza directamente en el trinquete (3) mediante uno o varios dientes (5) presentes dentro de la estructura de alojamiento del mismo marcatallas dentado, y situados de forma que durante la fase operativa, los antedichos dientes encajan en las ranuras correspondientes (6) cortadas en el mismo trinquete.
3. MARCATALLAS DENTADO según la reivindicación 1, del tipo situado en la base del gancho (2) después de haber pasado a través del mismo gancho de forma que encaja en el trinquete (3) sobresaliendo de la estructura arqueada (4) y esculpado con aletas reforzadas (7), el antedicho marcatallas dentado se caracteriza por el hecho de que en el marcatallas dentado (1) el acoplamiento se realiza mediante uno o varios dientes (8) presentes dentro de la estructura de alojamiento del mismo marcatallas dentado, y situados de forma que durante la fase operativa, los antedichos dientes encajan bajo las antedichas aletas (7).
4. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que una pluralidad de dientes (5.6) se encuentran dentro de la estructura de alojamiento.
5. MARCATALLAS DENTADO según la reivindicación 1, caracterizado por el hecho de que el acoplamiento del marcatallas dentado (1) se realiza en la

- estructura arqueada (4) de la percha, mediante una o varias varillas flexibles (9) obtenidas dentro de la estructura de alojamiento del mismo marcatallas dentado y ligeramente sobresaliente de la base inferior para que durante la fase operativa, las partes finales dentadas (10) de las antedichas varillas encajen en los alojamientos correspondientes (10.1) cortados en el cuello de la estructura arqueada (4) y situados a cada lado del trinquete (3).
- 5
6. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que las dos aletas (11) que forman la pared superior abierta del marcatallas dentado (1) tienen lados con huecos (12) que separan las aletas anteriormente mencionadas del resto de la estructura de alojamiento, para proporcionar una elasticidad y deformación potenciadas.
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7. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que los dientes (5) opuestos entre ellos, presentes dentro la estructura de alojamiento del mismo marcatallas dentado, y que durante la fase operativa permanecen encajados en dos ranuras correspondientes (6) cortadas en el trinquete (3) están situados en el borde de la pared superior abierta.
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8. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que la zona de acoplamiento del diente (5), el diámetro del agujero en el trinquete (3) es más grande que el diámetro del gancho (2) de forma que se crea un canal (K) que se extiende bajo la antedicha zona de acoplamiento y que causa la reducción del grosor de la porción del cuello (3.1) de forma que cuando la uña (13) del gancho (2) está encajada, la antedicha uña no deforma la porción mencionada ni el relativo alojamiento de la ranura (6).
- 20
- 25
9. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que el diente (5) presenta una sección en forma de aguja donde el vértice queda definido mediante dos planos en una posición inclinada en relación con el plano horizontal.
- 30
10. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que la superficie (5.1) del diente (5) y la superficie (6.1) del trinquete (6) que durante la fase operativa se miran recíprocamente, resultan ambas en una posición inclinada de forma que, al variar el ángulo, se puede aumentar o reducir la fuerza requerida para quitar el marcatallas dentado.
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11. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que el alojamiento (6.1) se ha

configurado abierto en un lado individual.

12. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que el alojamiento (6.1) se ha configurado abierto en ambos lados.

5 13. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que en el trinquete (3) se ha contemplado que la porción superior (3.2) del trinquete tenga una forma ligeramente en cuña por la creación de superficies inclinadas (14) en las que los dientes (5) encajan para deslizarse.

10 14. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que el acoplamiento de enganche entre el marcatallas dentado (1) y el trinquete (3) se realiza mediante aletas superiores (11) del mismo marcatallas dentado que se acoplan durante la fase operativa con las ranuras correspondientes (15) cortadas en el mismo
15 trinquete y dispuestas giradas a 90° respecto a las ranuras (6).

15. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que en la porción superior (3.2) del trinquete (3) hay superficies inclinadas (16) en las que las partes finales de las aletas (11) encajan para deslizarse antes de encajar en las ranuras
20 correspondientes (15).

16. MARCATALLAS DENTADO según una o varias de las anteriores reivindicaciones caracterizado por el hecho de que en el trinquete (3) hay al menos una pared lateral (17) que durante la fase operativa, se mueve para entrar en contacto con la parte interior (T) del marcatallas dentado (1) y por
25 consiguiente impide la rotación mutua del trinquete/marcataillas dentado alrededor del eje (Z) del gancho (2).

17. MARCATALLAS DENTADO según la reivindicación 16, caracterizado por el hecho de que en las perchas donde el trinquete (3) cuenta con una varilla de refuerzo lateral (7), la acción antirotación del marcatallas dentado (1) se obtiene
30 contemplando que el ancho de la varilla mencionada sea al menos igual que el ancho del mismo trinquete para realizar paredes (17.1) que crean una zona delantera de contacto contra la pared interna (T) del mismo marcatallas dentado.

18. MARCATALLAS DENTADO según la reivindicación 16, caracterizado por el hecho de que en perchas con una sección en forma de u invertida, donde el trinquete (3) es simplemente un cuerpo cilíndrico principalmente, la acción antirotación del marcatallas dentado (1) se obtiene realizando al menos una o
35 preferentemente dos paredes laterales (17.2) que están en contacto con las

paredes internas (T) del marcatallas dentado.

Petro Folio 69 Extracto.



FORMATO DE DIGITALIZACION
RELACION DE ANEXOS



Raydi
Technologies S.A.
Incorporated in Mexico

Expediente No		07012646	No de Folia
Item		No de unidades	
1	CD		
2	DVD		
3	REVISTA		
4	LIBRO		
5	PERIODICO		
6	DISQUETES		
7	SOBRE DE MANILA		
8	SOBRE BLANCO TAMAÑO CARTA	7	1
9	SOBRE BLANCO TAMAÑO OFICIO		
10	OTROS:		
Observaciones: Sobre con Arte final			

69

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70

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
Rad: 07-012646-00000-0000
Fec: 2007-02-09 17:30:31 Dep. 2020 NUECREACIONES
Tg. 11 PATENTEIYII
Eve: 379 FASENACIONALI
Act 411 PRESENTACION Folios 73

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

NIT : 800176089-2

RECIBO OFICIAL DE CAJA : 06 - 99,166
FECHA : DICIEMBRE 27 DE 2006

***** CONSIGNACION *****

DEPOSITANTE	TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PAGO	Vr. PAGO
CAVELIER ABOGADOS	CONSIGNACION	BANCO POPULAR	050-00110-6	55272329	27/12/2006	33,470,000.00

***** CONCEPTO *****

CANT.	RENTISTICO	CONCEPTO	TOTAL CONCEPTO
1	50005-01-01	SOLICITUDES	
		1 TRAMITES DE SOL. DE PATENTE DE IN	463,000.00
		TOTAL :	\$ 463,000.00

SON: CUATROCIENTOS SESENTA Y TRES MIL PESOS

RESPONSABLE : _____

RECIBO DE CAJA APLICADO AL EXPEDIENTE No. _____

6060 15918 841 001 1

72
71

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
Rad: 07-012646- -00000-0000
Fec: 2007-02-09 17:30:31 Dep. 2020 NUECREACIONES
Tib. 11 PATENTEIYII
Eve: 378 FASENACIONALI
Act 411 PRESENTACION Folios: 73

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

NIT : 800176089-2

RECIBO OFICIAL DE CAJA : 07 - 0,045
FECHA : ENERO 29 DE 2007

***** CONSIGNACION *****

DEPOSITANTE	TIPO PAGO	BANCO	CUENTA	Nº. PAGO	FECHA PGO	Vr. PAGO
CAVELIER ABOGADOS	CONSIGNACION	BANCO POPULAR	050-00110-6	55272339	29/01/2007	54,580,000.00

***** CONCEPTO *****

CANT.	RENTISTICO	CONCEPTO	TOTAL CONCEPTO
1	50005-01-09	OTROS SERVICIOS DE PROPIEDAD I	21. CERTIFICACIONES
			11,000.00
		TOTAL :	\$ 11,000.00

SON: ONCE MIL PESOS



RESPONSABLE : _____

RECIBO DE CAJA APLICADO AL EXPEDIENTE No. _____

COLO 15718 841 001 1

73
72

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
Rad: 07-012646- -00000-0000
Fec: 2007-02-08 17:50:31 Dep. 2020 NUECREACIONES
Tra. 11 PATENTEIYII
EVE: 378 FASENACIONALI
Act 411 PRESENTACION Folio: 73

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

NIT : 800174089-2

RECIBO OFICIAL DE CAJA : 07 - 8,044
FECHA : ENERO 29 DE 2007

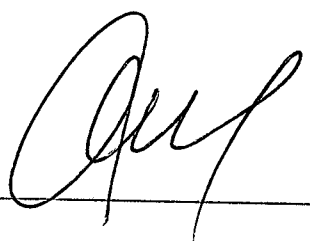
***** CONSIGNACION *****

DEPOSITANTE	TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PGO	Vr. PAGO
CAVELIER ABOGADOS	CONSIGNACION	BANCO POPULAR	050-00110-6	55272339	29/01/2007	54,580,000.00

***** CONCEPTO *****

CANT.	RENTISTICO	CONCEPTO	TOTAL CONCEPTO
1	50005-01-09	OTROS SERVICIOS DE PROPIEDAD I 21 CERTIFICACIONES	11,000.00
TOTAL :			\$ 11,000.00

SON: ONCE MIL PESOS

RESPONSABLE : 

RECIBO DE CAJA APLICADO AL EXPEDIENTE No. _____

6060 15918 841 001 1

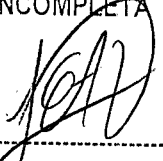
Delegatura de Propiedad Industrial
División de Nuevas Creaciones

REQUISITOS NECESARIOS PARA PRESENTACIÓN Y AGILIZACIÓN DEL
TRAMITE

PATENTE DE INVENCION (/)	MODELO DE UTILIDAD ()	USUARIO	RADICADOR
-Indicación de que se solicita la concesión de una patente.		()	(/)
-Datos de identificación del solicitante o de la persona que se presenta la solicitud.		()	(/)
-Descripción de la invención.		()	(/)
-Dibujos de ser estos pertinentes.		()	(/)
-Comprobante de Pago de las tasas establecidas.		()	(/)
COMPLETA (/)	INCOMPLETA ()	()	()
DISEÑO INDUSTRIAL ()			
-Indicación de que se solicita el registro de Diseño Industrial.		()	()
-Datos de identificación del solicitante o de la persona que se presenta la solicitud.		()	()
-Representación gráfica y fotográfica del Diseño Industrial o muestra del Material que incorpora el diseño.		()	(/)
-Comprobante de Pago de las tasas establecidas.		()	()
COMPLETA ()	INCOMPLETA ()	()	()
ESQUEMA DE TRAZADO ()			
-Indicación de que se solicita el registro de Diseño Industrial.		()	()
-Datos de identificación del solicitante o de la persona que se presenta la solicitud.		()	()
-Representación gráfica del Esquema Trazado.		()	()
-Comprobante de Pago de las tasas establecidas.		()	()
COMPLETA ()	INCOMPLETA ()	()	()

Firma Responsable:

Fecha:


8/07

REPUBLICA DE COLOMBIA
SUPERINTENDENCIA DE INDUSTRIA Y COMERCI

74
Folio 25

2020
Bogotá D.C.,

Doctor(a)
FERRERO EMILIO
Apoderado(a) y/o Representante de
MAINETTI S.P.A.

REFERENCIA	Radicación No.	7 12646
	Solicitud internacional	PCT/KP2005/007172
	Fecha inicio fase nacional	09/02/2007
	Trámite	11
	Evento	378
	Actuación	416
	Oficio No.	2665
	Folios	1

Teniendo en cuenta que la solicitud de privilegio de patente que se tramita bajo el expediente indicado en la referencia, reúne los requisitos de forma establecidos en la Decisión 486 de la Comisión de la Comunidad Andina, el Tratado de Cooperación en Materia de Patentes (PCT), el Reglamento y la Circular Única de la Superintendencia de Industria y Comercio, se envía el extracto de la solicitud a la Oficina de Comunicaciones para efecto de su publicación en la Gaceta de Propiedad Industrial.

Cúmplase
Dado en Bogotá DC,

23 FEB. 2007

ALIX CARMENZA CESPEDES DE VERGEL
Jefe de la división de Nuevas Creaciones

leraso