

14 Documents

Publication numbers	Title	Current assignees
ES1226406U U	DEVICE FOR TUTORADO	GRANADOS PUGA GERMAN
BR201005785 A2	ecologico tutor to support and to guide Trees pas plantation with chamber enterna for rain Water storage for auto-waters for dripping system	GRECO NICOLA
ES1074234U U	HOOK FOR THE TUTORED ONE OF PLANTS WITH LIBRE FALL	VIDAL NAVALON JOSE
ES1125955U U	Tutored Hook of plants fallen frees	VIDAL NAVALON JOSÉ
CO2018009423A1 A1	Tutorado ecológico alternativo con envaraderas plásticas para cultivos y el proceso de fabricación del mismo	TRANSF GIRASOL
ES1232029U U	Módulo de cultivo adaptado para personas con movilidad reducida	CASA COLEGIO MAYOR MENENDEZ PELAYO INSTITUTE NEVARES DE EMPRESARIOS AGRARIOS CCMMP INEA
EP-122049 A2	Unreinforced membrane, electrochemical cell, and electrolysis process	DU PONT DE NEMOURS
EP-308404 A1	Road paver-finisher with a combination of axles with steering wheels and crawler units.	NIARB S A
US4698903 A	Circuit breaker highspeed assembly	GENERAL ELECTRIC
ES2592806 A1	Procedure for the valuation of mixed vegetal rest with polyolefin raffia coming from horticultural cultures	DESPOLIMERIZACION DE PLASTICOS RESIDUALES
ES1070875U U	PLATFORM FOR WORKS IN HORTICULTURAL CULTURES	CARRETILLAS AMATE
ES1217511U U	Autonomous Mobile Robot for the supervision of workers in greenhouses and the recording of climatic variables and sanitary state status of plants.	GONZALEZ SANCHEZ RAMON
ES1071036U U	SELF-PROPELLED MINIVEHICLE FOR THE APPLICATION OF PHYTOSANITARY IN GREENHOUSE	CARRETILLAS AMATE
ES1063160U U	HANGER FOR ENTUTORADO OF CULTURES	NOVEDADES AGRICOLAS

Family 1/14 - FAMPAT - ©Questel

Title

(ES1226406U)

DEVICE FOR TUTORADO

Publication data including kind & date[ES1226406](#)

U

2019-03-13

ES1226406U

**Abstract**

(ES1226406)

1. plant tutoring device, plants of the type which are vertically set by adopting a vertical vertical trajectory up to a certain height in which a horizontal wire or wire is placed (3) or guardian on which the stem inverts its trajectory in the lower sense, characterized because it is formed from a semi-cylindrical semi-cylindrical setting (1). by defining its upper face, by defining a curved surface of the stem of the plant, while on its lower face it includes lower a configuration appendix in "U" inverted, which defines a wings of wings (2) that determine a step-adjusted step for the "U". Horizontal wire (3), with the main lateral ends of the body (1) being expected to have overelevations (5) in correspondence with its upper face, which determine a kind of cradle for the stem.

Inventors

GRANADOS PUGA GERMAN

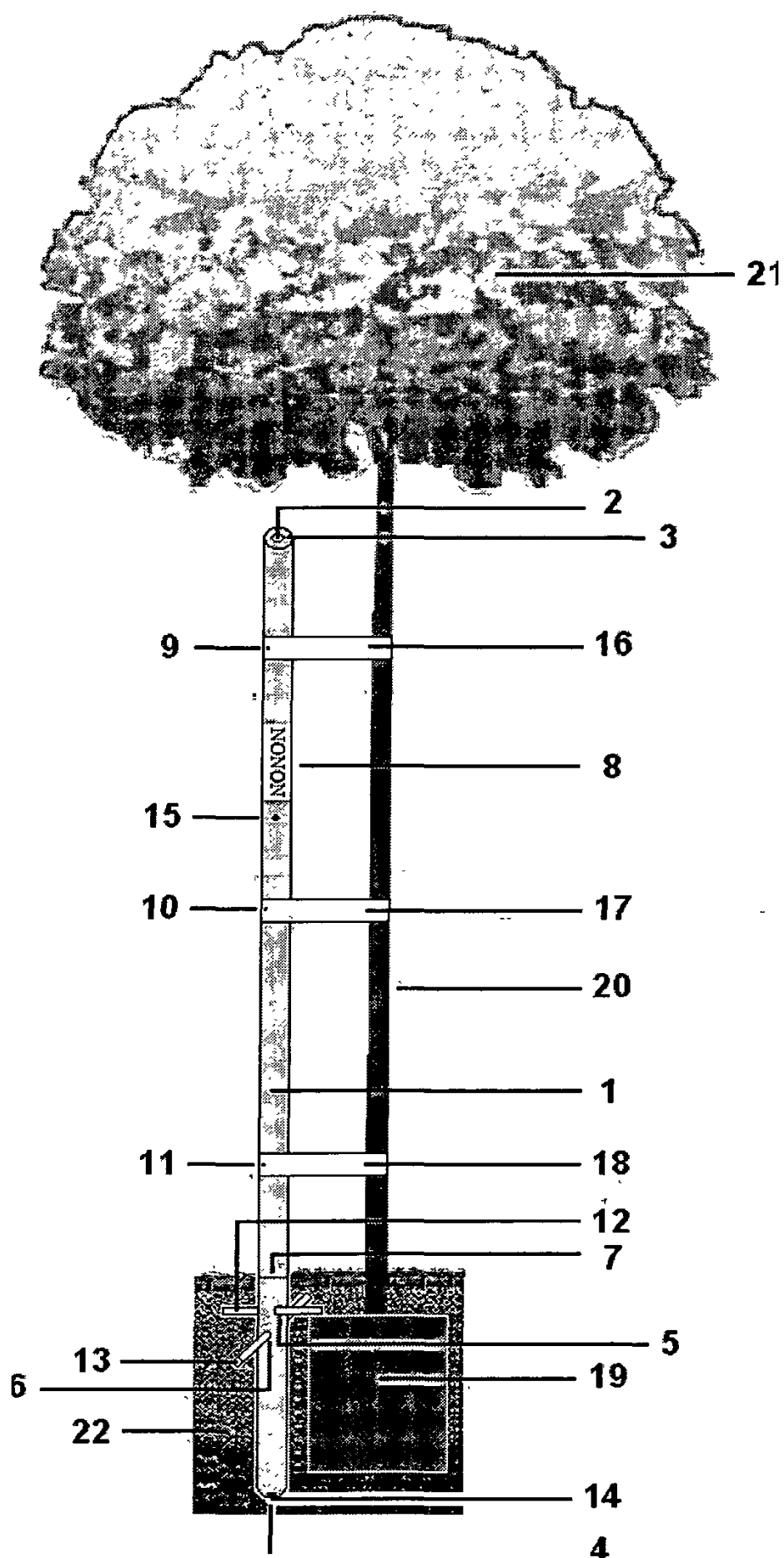
Family 2/14 - FAMPAT - ©Questel

Title

(BR201005785)

ecologico tutor to support and to guide Trees pas plantation with chamber enterna for rain Water storage for auto-waters for dripping system

Images

FIG.: 01

Publication data including kind & date

BRPI1005785

A2 2013-04-02

BR201005785

**Abstract**

(BRPI1005785)

ECOLaGICO TUTOR TO SUPPORT AND TO GUIDE PaS TREES PLANTATION WITH INTERNAL CHAMBER FOR RAIN WATER STORAGE FOR AUTO-REGA FOR DRIPPING SYSTEM. The pioneer patent, that in only one element conjugates the functions of: Tutor after to support and to lead trees the respective plantation, as well as during its long process of growth, e: water collector of rain or waters directed, by means of its Superior Opening for Water Captation of Rain or Irrigation (3), e: water reservoir caught occasionally of rains or directed irrigations, by means of its Central Chamber (2), which, strategically, possesses in its interior, along all its vertical extremity (1), Foam in Polypropylene/Solid Gel Hidro-Retainer (14) or similar product, which, equally, present, in this proposal, the function of: to store, to brake and hold back the flow of water, the rain or water, which will be, gradually and slowly, guided directly to the raizame (19), through its Inferior Opening of the Central Chamber for Water Exit of Rain or Irrigation for Irrigation for Dripping System (4), soaking the subsoil (22), of the **tutorado** copy, unchaining the process of auto-it waters for dripping system. The Ecological Tutor is constituted of structure in armed steel, which is set from cables in wire and, filled for concrete in its base (1), whose insumos: sand and road metals are recycled from the reaproveitamento of inert, discardable residues of the branch of construction in general. Beyond its Central Chamber (2), the Ecological Tutor, possesses strategically in its part inferior, the Stabilizers Superior (12) and Inferior (13), which accessory doubtful are set to the body of the Tutorial said one, by means of rabbet, confectioned from material solid, however, perishable, strategically ex: recielada wood, which putrefies with the humidity of the ground. Such objective intention, with passing of the time, making possible the viability of the vertical removal of the E-cotutor, whose the function, proposes keeps the steady Tutor Ecological, from its setting to the subsoil, at the moment of the plantation, which is enencontram in transversal positions, one of the other, once this, bes situated in the inferior base of the Tutor, which are boxed, respectively, in the Superior Orifice for Stabilizing Rod (5) and Inferior Orifice for Stabilizing Rod (6), disabling it of it will incline, for the inertia of the vegetable in franc growth, guaranteeing the stability and firmness for the Echo-Tutor, allowing, that this, it can support the morphologic, related actions of the movements of growth and development of the Root (19), Stalk (20) and Cup (21), what for this, the tree necessary to be set to the Ecological Tutor through its Stalk (20), in three distinct points of the Echo-Tutor with aid of the Orifice For Superior Cable Setting (9), Orifice For Median Cable Setting (10), Orifice For Superior Setting of Cable (11) and by means of the Cable in "8" Superior (16), Median Cable in 8" (17) and Cable in "8" Inferior (18), guaranteeing mainly, the brusque actions of the wind on the Cup of the Tree (21). The Echo-Tutor possesses in its inferior extremity, in the first 60 cm, Marking for Submersion (7), whose purpose proposes, to guide the usufructuary, how much to the point of limit of submersion of the tutor in respect to the ground. With the identification purpose, origin and security of the Echo-Tutor, this, are provided with Identification in Low Relief (8), in its superior part, in the concrete, with the initials of the City or holding Company; therefore the Ecological Tutor possesses extensive useful life e, can be placed one another place after to fulfill its paper to guide the dumb one or tree in its vulnerable stage of growth, as well as making possible its necessary localization, or origin, by means of its data contained in its Chip Eletronico (15), in situations of patrimonial or arboreo inventory of flourishes urban, allowing still to inhibit action of robbery or embezzlement.

Inventors

GRECO NICOLA

FERNANDES MARCAL EMIR

Family 3/14 - FAMPAT - ©Questel

Title

(ES1074234U)

HOOK FOR THE TUTORED ONE OF PLANTS WITH LIBRE FALL

Publication data including kind & date

ES1074234

Y 2011-07-04

ES1074234Y



ES1074234

U 2011-04-04

ES1074234U

**Abstract**

(ES1074234)

1. Hook for the tutored one of plants with free fall, characterizing by: to be constituted by a hook of wire in the form of spool (1) that incorporates coiled thread length the wished (2) and one loose thread coil, without subjection (3), where both threads are placed and ordered on a grooved tray (4).

Inventors

VIDAL NAVALON JOSE

Family 4/14 - FAMPAT - ©Questel

Title

(ES1125955U)

Tutored Hook of plants fallen frees

Publication data including kind & date

ES1125955	Y	2015-01-27	ES1125955Y
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ES1125955	U	2014-09-30	ES1125955U
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Abstract

(ES1125955)

1. Hook for the tutored one of plants with free fall, characterizing by: to be constructed by a wire hook that has the function to do of spool, (1) that incorporates coiled the wished thread length, (2) and one thread coil coiled only by one of its ends to the wire piece, (3) with a subjection of a central elastic thread that maintains the totality the thread that is coiled in the wire hook (4).

Inventors

VIDAL NAVALON JOSÉ

Family 5/14 - FAMPAT - ©Questel

Title

(CO2018009423A1)

Tutorado ecológico alternativo con envaraderas plásticas para cultivos y el proceso de fabricación del mismo

Publication data including kind & date

CO2018009423	A1	2018-09-20	CO2018009423A1
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**Abstract**

(CO2018009423)

Ver anexo.

Inventors

MARCELA GONZALEZ LINA

Latest standardized assignees - inventors removed

TRANSF GIRASOL

Family 6/14 - FAMPAT - ©Questel

Title

(ES1232029U)

Módulo de cultivo adaptado para personas con movilidad reducida

Publication data including kind & date

ES1232029	U	2019-07-04	ES1232029U
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**Abstract**

(ES1232029)

1. Módulo de cultivo adaptado para personas en silla de ruedas con movilidad reducida caracterizado porque comprende:

a. Un bancal elevado (2) pentagonal. b. Dos apoyos laterales (3) a ambos lados del bancal. c. Dos voladizos (4) corredizos que van anclados en los apoyos laterales. d. Un larguero (5) que une los apoyos laterales, e. Cables espaldera (6) para el en **tutorado** de las plantas caracterizado porque, - El bancal elevado es de dos caras recubierto de lámina

impermeabilizante (11) y barras de refuerzo en la pared del tablero (8) y en su punto medio (9), - Los apoyos laterales cuentan con un sistema de pasadores que permiten la subida y bajada de elementos anclados.

Inventors

CUERVO ALONSO PEDRO JUAN

REVILLA GRANDE FÉLIX

Latest standardized assignees - inventors removed

CASA COLEGIO MAYOR MENENDEZ PELAYO INSTITUTE NEVARES DE EMPRESARIOS AGRARIOS CCMMP INEA

Family 7/14 - FAMPAT - ©Questel

Title

(EP-122049)

Unreinforced membrane, electrochemical cell, and electrolysis process

Publication data including kind & date

CA1247049	A	1988-12-20	CA1247049			
ZA8401741	B	1985-11-27	ZA8401741			
EP0122049	A3	1985-09-25	EP-122049			
US4539084	A	1985-09-03	US4539084			
KR840008378	A	1984-12-14	KR19840008378			
EP0122049	A2	1984-10-17	EP-122049			
BR8401072	A	1984-10-16	BR8401072			
JPS59174627	A	1984-10-03	JP59174627			
AU2544384	A	1984-09-13	AU8425443			

Abstract

(EP0122049)

An unreinforced ion exchange membrane which comprises fluorinated polymer which has carboxylic functional groups, which has a hydrogen bubble release layer on the cathode-facing side thereof, and which has channels open to the outer surface of the anode-facing side thereof, is described. Precursor membrane, which may contain partially embedded sacrificial members, and from which the unreinforced ion exchange membrane is made, is also described. The unreinforced ion exchange membrane can be used to separate the compartments of a chloralkali cell, and such a cell operates at low voltage, high current efficiency, and low power consumption.

Inventors

BISSOT, THOMAS CHARLES

LI, STEPHEN

Latest standardized assignees - inventors removed

DU PONT DE NEMOURS

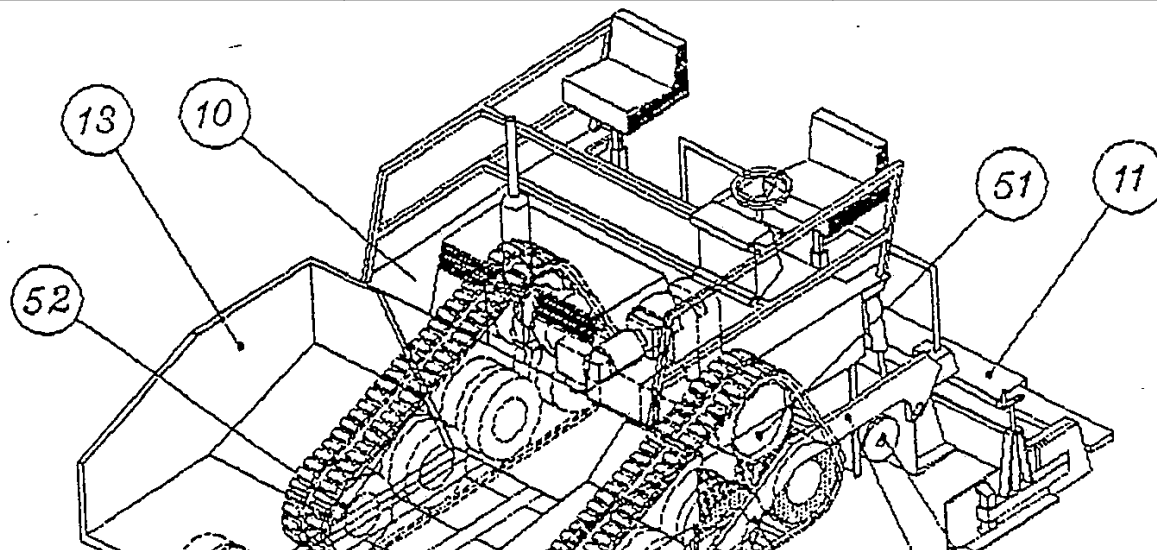
Family 8/14 - FAMPAT - ©Questel

Title

(EP-308404)

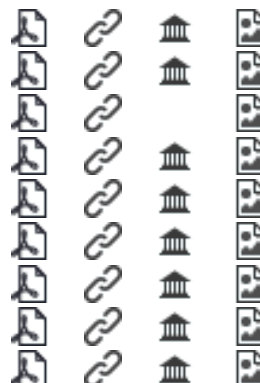
Road paver-finisher with a combination of axles with steering wheels and crawler units.

Images



Publication data including kind & date

EP0308404	B2	1995-02-15	EP-308404
DE3777651	D1	1992-04-23	DE3777651
AT73879	T	1992-04-15	ATE073879
EP0308404	B1	1992-03-18	EP-308404
US5009546	A	1991-04-23	US5009546
JPH01503156	A	1989-10-26	JP01503156
BR8707726	A	1989-10-03	BR8707726
EP0308404	A1	1989-03-29	EP-308404
WO88/08054	A1	1988-10-20	WO8808054



Abstract

(EP0308404)

Road paver-finisher comprising a screed unit (11) and a tractor unit (10), the latter comprising a hopper (13), one or more feeders or conveyors (14), one or more augers (15), a main frame (12), a combination of one or more axles with steering wheels (12'') and one or more crawler units (12'''), the latter comprising a crawler belt (50), a driving wheel or sprocket (51), a stretcher wheel (52) and a multitude of supporting rollers (54).

Inventors

DOMENIGHETTI DOMENICO

LAYTON JACK DOUGLAS

Latest standardized assignees - inventors removed

NIARB S A

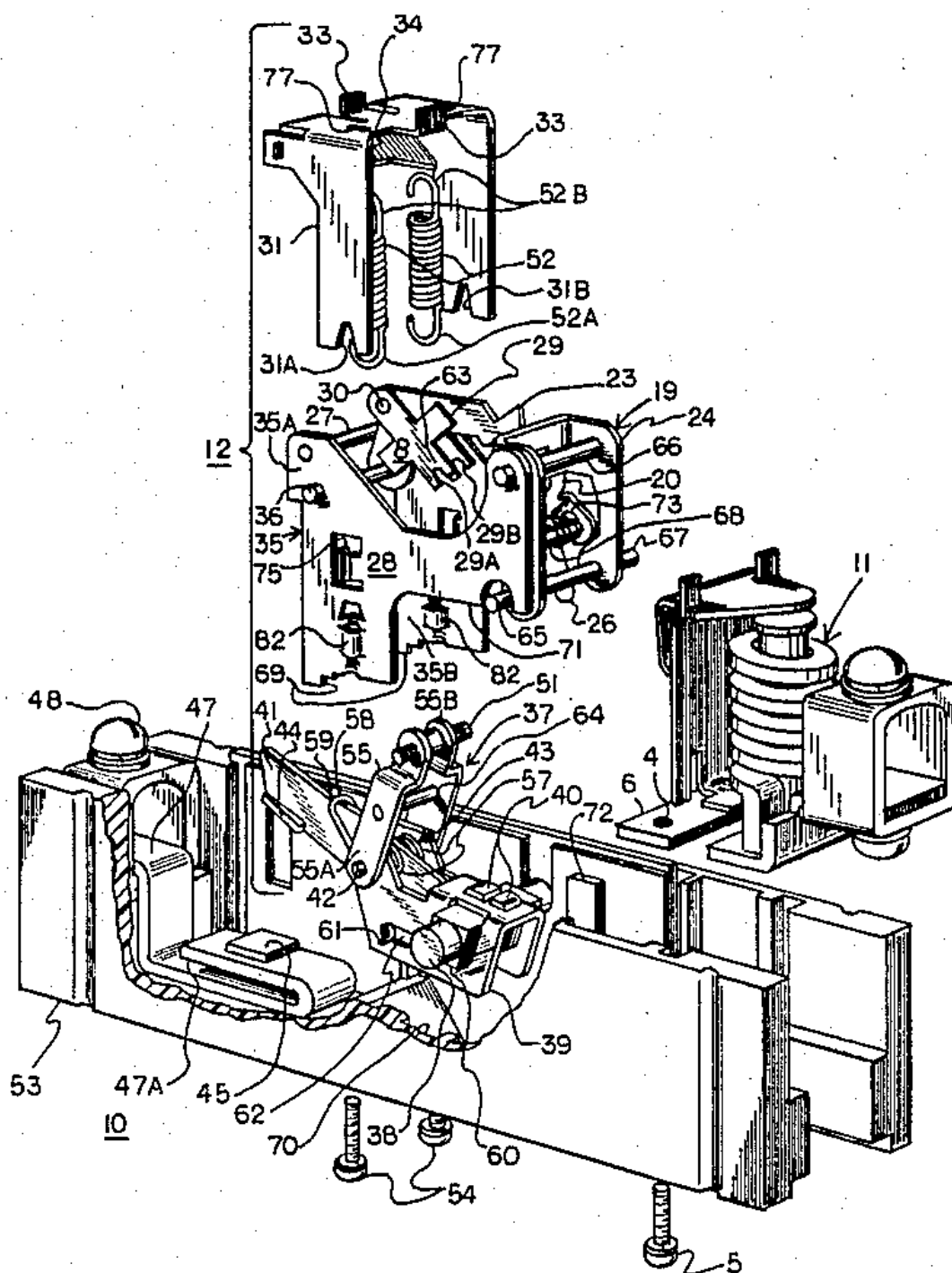
Family 9/14 - FAMPAT - ©Questel

Title

(US4698903)

Circuit breaker highspeed assembly

Images



Publication data including kind & date

US4698903	A	1987-10-13	US4698903
BR8600504	A	1986-12-30	BR8600504
IT8619167	D0	1986-01-23	IT8619167



Abstract

(US4698903)

A circuit breaker design and process for high speed assembly utilizes a unique secondary latch arrangement to reduce frictional forces and increase the breaker calibration test yield. The design allows for interchangeability of the trip unit by first pre-assembling the arc chute cavity and operating mechanism. Arrangement of the primary and secondary latch pivots reduces the trip force for further increase in the calibration yield.

Inventors

CIARCIA RONALD D
DIVINCENZO GREGORY T
DOUGHTY DENNIS J
BERNIER RICHARD E

Latest standardized assignees - inventors removed

GENERAL ELECTRIC

Family 10/14 - FAMPAT - ©Questel

Title

(ES2592806)

Procedure for the valuation of mixed vegetal rest with polyolefin raffia coming from horticultural cultures

Publication data including kind & date

ES2592806	B1	2017-11-07	ES2592806
ES2592806	A1	2016-12-01	ES2592806



Abstract

(ES2592806)

Procedure for the valuation of mixed vegetal rest with polyolefin raffia coming from horticultural cultures. The present invention talks about to a procedure to obtain polymeric raw materials of industrial application, from the vegetal rest mixed with polyolefin raffia coming from horticultural cultures, mainly of agricultural greenhouses, put under fermentation. The products obtained according to this invention widely are implanted from a commercial point of view. The vegetables mixed with raffia are put under an aerobic fermentation to turn them into compost, separating said compost of the part nonfermented, and to obtain polymeric raw materials of industrial application.

Inventors

FERNANDEZ SANCHEZ JUAN

Latest standardized assignees - inventors removed

DESPOLIMERIZACION DE PLASTICOS RESIDUALES

Family 11/14 - FAMPAT - ©Questel

Title

(ES1070875U)

PLATFORM FOR WORKS IN HORTICULTURAL CULTURES

Publication data including kind & date

ES1070875	Y	2010-02-11	ES1070875Y
ES1070875	U	2009-11-12	ES1070875U



Abstract

(ES1070875)

1. Platform for works in horticultural cultures. essentially characterized to be constituted by a chassis metallic in the form of Or double, united by the part inferior by two axes equipped each with them of a pair of wheels, appropriate dimensions for the displacement by loose grounds and victims, and the part superior by two bars that are used like handles, equipped with two trays of located transport or work, one around the axes of the wheels and another one to a medium altitude of the metallic chassis, formed both preferably by a rectangular frame metallic in whose lateral some get ready projections, for a correct fixation of the boxes or transported containers, and designed to allow the displacement of workers and the accomplishment of works to different heights. 2. Platform for works in greenhouse according to claim 1, characterized because the metallic frame superior is vertically adjustable thanks to the fact that its union conel chassis is realized by means of some clips that can occupy different discreet positions in the upward legs from the double U. 3. Platform for works in greenhouse according to claims characterized 1 and 2. because the metallic frame superior has two lateral tensile ones, placed in the longitudinal sense of the platform, by means of the lodging of tubular profiles inside two united tubes shared in common to the chassis and equipped with a locking mechanism, with a screw, bolt or similar. 4. Platform for works in greenhouse according to claims 1, 2 and 3, characterized because it has a brake located in one of the bars used

like handle and that the blockade of the wheels of one of the axes allows. 5. Platform for works in greenhouse according to claims 1 to 4, characterized because it has a box portaobjetos connected to the chassis to the transport and storage of work equipment.

Inventors

AMATE SALVADOR EUSEBIO

AMATE SALVADOR LIBERTO

SANCHEZ-HERMOSILLA LOPEZ JULIAN

Latest standardized assignees - inventors removed

CARRETILLAS AMATE

Family 12/14 - FAMPAT - ©Questel

Title

(ES1217511U)

Autonomous Mobile Robot for the supervision of workers in greenhouses and the recording of climatic variables and sanitary state status of plants.

Publication data including kind & date

[ES1217511](#) U 2018-09-18 ES1217511U



Abstract

(ES1217511)

1. Autonomous mobile robot for the supervision of workers in greenhouses and the recording of climatic variables and sanitary status of plants characterized by: A. Chassis of reduced dimensions (maximum width 0.8 meters) adapted to the dimensions of the growing corridors in a greenhouse. B. Chassis made of aluminum and iron. C. Differential four-wheel differential locomotion system and four traction engines. D. Array of distances, fingerprint recognition, a chamber of vision and climate sensor. E. Automatic control system based on an embedded computer. Wireless Communication System for a Web Server.

Inventors

GONZALEZ SANCHEZ RAMÓN

Family 13/14 - FAMPAT - ©Questel

Title

(ES1071036U)

SELF-PROPELLED MINIVEHICLE FOR THE APPLICATION OF PHYTOSANITARY IN GREENHOUSE

Publication data including kind & date

[ES1071036](#) Y 2010-03-11 ES1071036Y

[ES1071036](#) U 2009-12-09 ES1071036U



Abstract

(ES1071036)

1. Self-propelled Minivehículo for the application of phytosanitary in greenhouse, that understands: a. A chassis of reduced dimensions, equipped with a tray for the lodging of the batteries or alternative energy source, a geodetic point in the back part, for the drag machines or equipment, and some you connect lateral to lodge to the system of pulverization of vertical bars. b. System of tread formed by four wheels. The two motor and individually driven backs by means of individual motors, preferably electrical, controlled by means of joystick. The two crazy advantages, together with the chassis by means of a revolving bracket, that along with the movement differential of the driving wheels constitutes the direction system. c. A folding housing that serves as protection to the different elements and support for the conduction position. d. A position of conduction formed by a seat for the conductor, an arm on which it is located to the control of speed and the direction of the vehicle, and the drive of the pulverization system. 2. Self-propelled Minivehículo for the application of phytosanitary in greenhouse according to claim 1, characterized to prepare a single front caster, that next to the movement differential of the back wheels constitutes the direction system. 3. Self-propelled Minivehículo for the application of phytosanitary in greenhouse according to claims 1 and 2, wherein can transport, preferably in its back part, a system of detachable

pulverization and equipped with two I sweep sprayers with adjustable separation, by means of a similar or guidance system. 4. Self-propelled Minivehiculo for the application of phytosanitary in greenhouse according to claims 1, 2 and 3, wherein the pulverization system can be fed by the fixed installation on own pulverization on the greenhouse or agricultural operation. 5. Self-propelled Minivehiculo for the application of phytosanitary in greenhouse according to claims 1 to 4, wherein the pulverization system has a device of lost returns, that it prevents to coil the hose in the turns, formed by a hollow tube in the form of L with freedom of turn in 180°.

Inventors

AMATE SALVADOR EUSEBIO

AMATE SALVADOR LIBERTO

SANCHEZ-HERMOSILLA LOPEZ JULIA

Latest standardized assignees - inventors removed

CARRETILLAS AMATE

Family 14/14 - FAMPAT - ©Questel

Title

(ES1063160U)

HANGER FOR ENTUTORADO OF CULTURES

Publication data including kind & date

[ES1063160](#) Y 2007-01-01 ES1063160Y

[ES1063160](#) U 2006-10-01 ES1063160U



Abstract

(ES1063160)

1. Percha para entutorado de cultivos, del tipo de las destinadas a quedar suspendidas de un emparrillado y de las que están dotadas de un carrete suministrador del hilo o tutor para ascenso de la planta, así como de un dispositivo de freno para bloquear dicho hilo, caracterizada porque incorpora un soporte rematado superiormente en un gancho para acoplamiento al emparrillado, soporte de cuya zona media emerge lateralmente un vástago para acoplamiento del carrete suministrador del hilo, mientras que en su extremidad inferior y también en disposición lateral incorpora un cuello cilíndrico y exteriormente roscado, receptor del freno, habiéndose previsto que dicho cuello esté afectado por dos ranuras o cortes situados sobre un imaginario plano diametral y vertical, y que el freno se materialice en un anillo interiormente roscado, en correspondencia con dicho cuello, anillo en el que se define un frente interior que presiona el hilo contra otro frente complementario definido en el propio soporte.

Inventors

GALERA QUILES LUCAS

CARRENO ORTEGA ANGEL

PEREZ ALONSO JOSE

Latest standardized assignees - inventors removed

NOVEDADES AGRICOLAS