

1) Family number: 64285135 (BR102015013701A)

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Title: MAQUINA TRANSPLANTADEIRA APERFEICOADA Improved TRANSPLANTADEIRA MACHINE (Machine translation)

Abstract: Source: BR102015013701A [PT] RESUMO "MAQUINA TRANSPLANTADEIRA APERFEICOADA" A maquina e destinada ao transplante de mudas diversas ou rebolos de cana, inclusive em solos semiaridos, utilizando dispositivos de copos - horizontais ou verticais bem como pincas, compreendendo uma estacao de trabalho, e contemplando pelo menos uma linha de plantio, bem como um conjunto de corte de palha (C1), um sulcador padrao (S) e rodas motrizes (9), incluindo ainda bandejas (47), assentos (15) ou estacoes de trabalho; a invencao inclui em um unico equipamento um conjunto de irrigacao (1) anti-stress e de distribuicao de gel e/ou conjunto fertilizador (2), sulcador fertilizador (11), bem como um conjunto barra-chassi (3) que sustenta o suporte do conjunto fertilizador (2) ou conjunto de irrigacao (1), e tambem conjuga o engate (4) para o terceiro ponto (5), ao passo que, no lado oposto, recepciona o conjunto de transplante (6) que pode ser de copos (7), horizontais ou verticais, ou pincas (8), sendo que, no caso da cana, e previsto um sulcador de cana (38).

Machine translation: Improved machine intended for the TRANSPLANTADEIRA" machine and Transplant seedlings, including semiaridos several or cane billets in soils using horizontal or vertical as well as cups devices - tweezers, comprising a workstation, and contemplating at least one planting line, as well as a cutting assembly (C1), a (S) and drive wheels (9 standard opener), further including trays (47), (15) seats or workstations; the invention includes in a single irrigation equipment (1) a set of anti-stress and distribution (2) gel and/or granular fertilizer opener (11,) as well as a chassis (3 bar assembly bracket that supports the granular (2) or (1 irrigation assembly), and also matches the Hitch (4) to the third point (5), whereas, on the opposite side receives the set of transplantation (6) which may be glasses (7), horizontal or vertical or fingers (8), wherein, in the case of sugar cane opener (38, a).

Classifications:**International (IPC 8-9):** A01C11/02 (Advanced/Invention)

PatBase - BR102015013701_A2

1/76

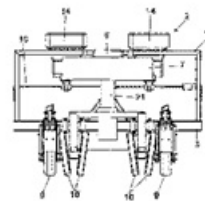


FIG. 1

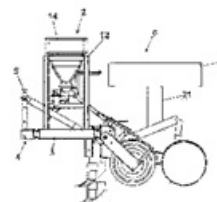


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
BR102015013701 A2	20161122	BR20151013701	20150611

Priority:

BR20151013701 20150611

Probable Assignee:

SATHYA MAQUINARIAS EIRELI

Assignee(s): (std):

SATHYA MAQUINARIAS EIRELI

Inventor(s): (std):

ABALSAMO ANTONIA VITTORIA

Inventor(s):

ANTONIA VITTORIA ABALSAMO

2) Family number: 58870936 (WO15042676A1)

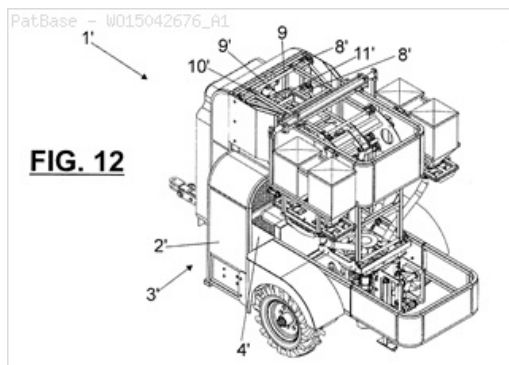
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Title: PLANTER WITH FLOATING SYSTEM FOR PLANTING AND FERTILIZING SEEDLINGS BY VERTICAL SHOOTING

Abstract: "Planter with floating system for planting and fertilizing seedlings by vertical shooting" comprising an eccentric-control seedling planter that plants by means of a vertical shot, thereby enabling the rapid, efficient and safe planting of seedlings combined with fertilizers and other nutrients, also by means of a vertical shot. The planter includes a structure with various storage dividers, in which are distributed control units connected to the wheels of the planter and that actuate the hydraulic-control clutch units, which use a cam to control all of the pistons, which actuate the mechanism as a whole, said mechanism having a vertical planting clamp connected to a rotary feed unit. Said planter has a programmable control system which obviates the cam control system, with the further addition of various hydraulic actuating pistons enabling faster planting and fertilizing.

Classifications:

International (IPC 8-9): A01C11/02 (Advanced/Invention)
International (IPC 1-7): A01C11/02
CPC: A01C11/02 A01C11/006



Family:

Publication number	Publication date	Application number	Application date
BR102013026256 A2	20160607	BR20131026256	20130926
BR132014021871 E2	20180731	BR20141321871	20140904
BR132017024784 E2	20190625	BR20171324784	20171117
WO15042676 A1	20150402	WO2014BR00327	20140911

Priority:

BR20131026256 20130926 BR20141321871 20140904 BR20171324784 20171117

Probable Assignee: HDPLAN INDUSTRIA E COMERCIO DE MAQUINAS AGRICOLAS LTDA

Assignee(s): (std): HDPLAN INDUSTRIA E COMERCIO DE MAQU AGRICOLAS LTDA ; HDPLAN INDUSTRIA E COMERCIO DE MAQUINAS AGRICOLAS LTDA

Assignee(s): HDPLAN INDUSTRIA E COMERCIO DE MAQUINAS AGRICOLASLTDA

Inventor(s): (std): DUARTE PEDRO DONIZETI ; PEDRO DONIZETI DUARTE

Agent(s): DEBBIE JOSE JORGE

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

3) Family number: 41562901 (US2008053352A)

© PatBase

Title: SEED SINGULATOR FOR A SEED METERING SYSTEM IN A SEEDING MACHINE

Abstract: A seeding machine includes at least one seed metering system. Each seed metering system includes a housing, a seed disk and a seed singulator. The seed disk is disposed within the housing. The seed disk includes a rotational axis and a plurality of seed cells angularly spaced at a common radius about the rotational axis. The seed cells define a generally circular travel path. A seed singulator includes a bracket, a first resilient seed deflector and a second resilient seed deflector. The first resilient seed deflector is coupled with the bracket and deflectable relative to the bracket upon engaging a seed in one of the seed cells. The second resilient seed deflector is coupled with the bracket and deflectable relative to the bracket upon engaging a seed in one of the seed cells.

Classifications:

International (IPC 8-9): A01C7/00 A01C7/04 A01C7/20

A01C9/00 (Advanced/Invention);

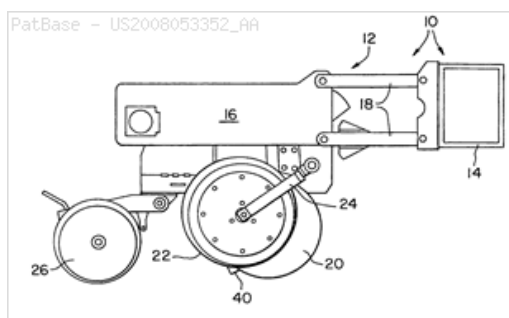
A01C7/00 A01C9/00 (Core/Invention)

International (IPC 1-7): A01C7/00 A01C7/04

CPC: A01C7/046

European: A01C7/04B1B

US: 111/174 111/185



Family:

Publication number	Publication date	Application number	Application date
AR062549 AA	20081119	AR2007P103794	20070827
BRPI0703545 A	20080422	BR2007PI03545	20070829
CA2599642 AA	20080229	CA20072599642	20070830
DE602007005886 D1	20100527	DE200760005886T	20070829
EP1894458 A2	20080305	EP20070115199	20070829
EP1894458 A3	20081029	EP20070115199	20070829
EP1894458 B1	20100414	EP20070115199	20070829
ES2342683 T3	20100712	ES20070115199T	20070829
US2008053352 AA	20080306	US20060513456	20060831
US7513200 BB	20090407	US20060513456	20060831

Priority:

US20060513456 20060831 CA20072599642 20070830

Probable Assignee: DEERE AND CO

Assignee(s): (std): DEERE AND CO

Assignee(s): DEERE AND CO A DELAWARE CORP ; FRIESTAD MICHAEL ERIC

Inventor(s): (std): FRIESTAD MICHAEL E ; FRIESTAD MICHAEL ERIC

Inventor(s): MICHAEL ERIC FRIESTAD
Agent(s): BORDEN LADNER GERVAIS LLP; LOESER IRIS; DEERE AND CO
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL PL PT RO RS SE SI SK TR YU

4) Family number: 70072616 (BR102016026185A)

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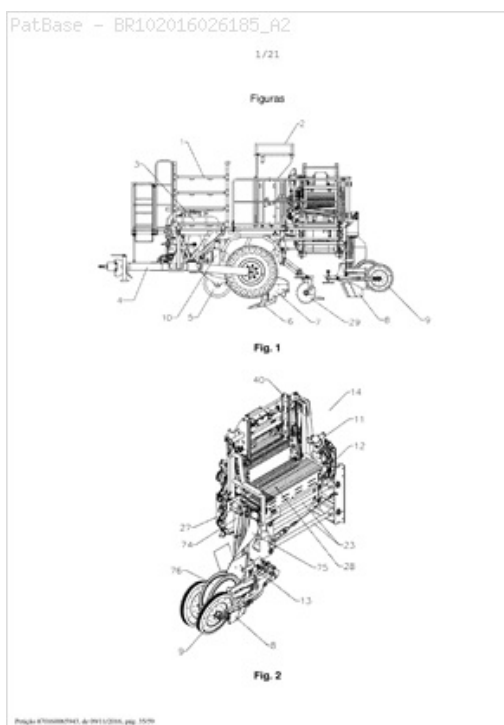
Title: PLANTADORA PARA MUDAS PRE-BROTADAS EM SULCOS CONTINUOS OU ALTERNADOS EM PLANTIO DIRETO E PLANTIO CONVENCIONAL PRE-BROTADAS SEEDLING PLANTER IN CONTINUOUS OR ALTERNATING GROOVES under no-tillage and conventional tillage (Machine translation)

Abstract: Source: BR102016026185A [PT] RESUMO "PLANTADORA PARA MUDAS PRE-BROTADAS EM SULCOS CONTINUOS OU ALTERNADOS EM PLANTIO DIRETO E PLANTIO CONVENCIONAL, do tipo utilizada para plantio convencional com preparo de solo e ou plantio direto sem preparo do mesmo sobre a massa organica, neste caso plantando mudas de cana-de-acucar (saccharum spp), composta de uma serie de mecanismos, um reservatorio de mudas (1), um sistema de manuseio de mudas (14), montado sobre um paralelogramo (23), os quais podem ser de varios tipos construtivos diferentes, um sistema de adubo (2), um sistema de pulverizacao (3), um sistema hidraulico, um chassi e elementos de contato com o solo (5), (6), (7), (8) (9) e (29): disco de corte (5); subsolador (6); calibrador de sulco (7); quilha (8); rodas compactadoras (9) e discos cobridores (29). Peticao 870170007070, de 01/02/2017, pag. 31/36 **Machine translation:** "PRE-BROTADAS SUMMARY SEEDLING PLANTER IN CONTINUOUS OR ALTERNATING GROOVES under no-tillage and conventional tillage, conventional tillage type used for soil tillage and no-tillage with or without preparing thereof on the organic mass, in this case planting seedlings of sugarcane (Saccharum spp), comprised of a number of mechanisms, a reservoir of seedlings (1), a handling system of seedlings (14) mounted on a parallelogram (23), which may be of various types, (2) a fertilizer different constructive system, a spray system (3), a hydraulic system, a chassis and ground contacting elements (5), (6), (7), (8) (9) and (29): (5); subsolador cutting disk (6); (7); (8) groove keel gauge wheel; (9) and (29) cobridores compacting disks). The 870170007070 repeat 01/02/2017, pp. 31/36

Classifications:

International (IPC 8-9): A01C11/02 A01C11/025 (Advanced/Invention)

CPC: A01C11/025



Family:

Publication number	Publication date	Application number	Application date
BR102016026185 A2	20180605	BR20161026185	20161109

Priority:

BR20161026185 20161109

Probable Assignee: MAQU AGRICOLAS JACTO S A

Assignee(s): (std): MAQU AGRICOLAS JACTO S A

Assignee(s): MAQUINAS AGRICOLAS JACTO S A

Inventor(s): (std): MAURO CESAR MENAO ; GUILHERME TINOIS DA SILVA ; MARCOS AURELIO BARBOSA HERNANDES

5) Family number: 34534069 (WO07064184A3)

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Title: PNEUMATIC SEED METERING UNIT FOR PRECISION SEEDERS

Abstract: The invention relates to a pneumatic metering unit which forms an essential component of an automatic precision seeder and which is particularly suitable for large seeds having an atypical shape, such as garlic, onion and similar. The invention makes use of a hopper with an oscillating base and an adjustable hatch in order to facilitate and control the flow of seeds being supplied. The invention is primarily used to meter seeds (separation of individual seeds and ordered delivery) and said operation is performed satisfactorily using various different factors, such as: a suitable, constant seed level in the separation chamber; seed mixing by means of the vibration of the oscillating plate with an amplitude and frequency in accordance with the properties of the seed; the shape and kinematic parameters of the dispensing disks which are mounted in pairs and which combine suction adhesion with mechanical support; the geometric configuration of the periphery of the disks (backs) and the cover (chute), which eliminates double-amount-type errors; the continuous cleaning of the ducts using an air jet, which prevents permanent clogging and which significantly reduces breakdown-type errors; suitable values for the

generated pressure and vacuum; and checking of the sealing system in order to prevent suction losses. The suction and pressure generated by the centrifugal fans are conveyed to the metering unit through flexible corrugated pipes which are connected to the dispenser and are subsequently directed through the axially-divided central hollow shaft to the respective ducts of the rotating metering disks. The rotational movement of the dispensing disks is generated from follower wheels by means of a suitable standard transmission system in accordance with the desired seeding rate. The components of the metering unit can be assembled in different arrangements such as to be adapted to furrow planting with two rows or bed planting with multiple rows.

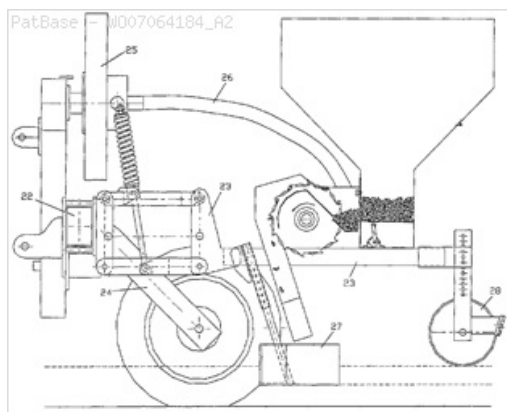
Classifications:

International (IPC 8-9): A01C7/04 (Advanced/Invention);

A01C7/00 (Core/Invention)

CPC: A01C7/044

European: A01C7/04B1



Family:

Publication number	Publication date	Application number	Application date
MXGT05000016 A1	20070530	MX2005GT00016	20051130
WO07064184 A2	20070607	WO2006MX00134	20061129
WO07064184 A3	20070719	WO2006MX00134	20061129
WO07064184 C1	20070913	WO2006MX00134	20061129

Priority:

MX2005GT00016 20051130

Probable Assignee: UNIV GUANAJUATO

Assignee(s): (std): CABRERA SIXTO JOSE MANUEL ; CALDERON REYES EFRAIN ; SERWATOWSKI HLAWINSKA RYSZARD ; UNIV DE GUANAJUATO ; UNIV GUANAJUATO

Assignee(s): UNIVERSIDAD DE GUANAJUATO ; SERWATOWSKI HLAWINSKA RYSZARD JERZY

Inventor(s): (std): CABRERA SIXTO JOSE MANUEL ; CALDERON REYES EFRAIN ; SERWATOWSKI HLAWINSKA RYSZARD ; HLAWINSKA RYSZARD JERZY SERWA ; SIXTO JOSE MANUEL CABRERA ; REYES EFRAIN CALDERON

Inventor(s): EFRAIN CALDERON REYES ; RYSZARD JERZY SERWATOWSKI HLAWINSKA ; JOSE MANUEL CABRERA SIXTO ; SERWATOWSKI HLAWINSKA RYSZARD JERZY

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

6) Family number: 8912280 (EP0541470A1)

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Title: MOWING MACHINE WITH A ROTOR BRINGING THE CUT PRODUCT ESPECIALLY TO THE SUPPORTS OF THE CUTTING ELEMENTS.

Abstract: The invention relates to a mowing machine. According to the invention, the mowing machine is characterised by the fact that a rotor (34) extends at the front of the cutting bar and that means (36) participating in evacuating the cut product are rigidly linked to the central support (37) of the said rotor (34) and bring the product, cut by the cutting tools, especially to the supports of the cutting elements.

Classifications:

International (IPC 8-9): A01D43/10 A01D57/02 (Advanced/Invention);

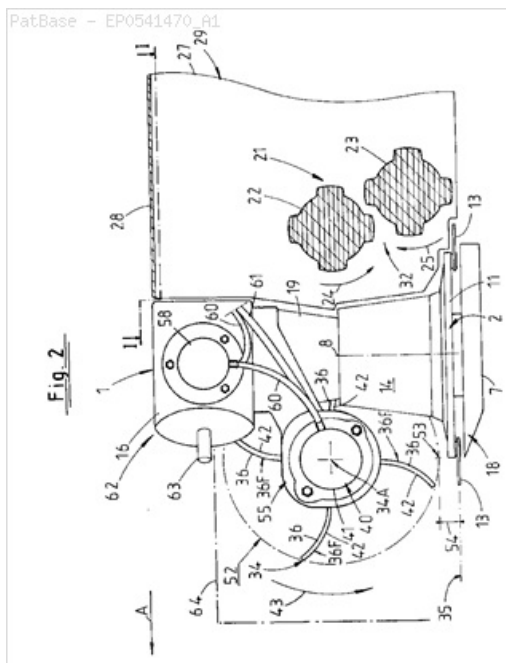
A01D43/00 A01D57/00 (Core/Invention)

International (IPC 1-7): A01D34/70 A01D43/10 A01D57/02

A01D57/12

CPC: A01D43/10 A01D57/02

European: A01D43/10 A01D57/02

**Family:**

Publication number	Publication date	Application number	Application date
DE69218887 D1	19970515	DE19926018887	19921106
DE69218887 T2	19971106	DE19926018887T	19921106
DK0541470 T3	19971201	DK19920440124T	19921106
EP0541470 A1	19930512	EP19920440124	19921106
EP0541470 B1	19970409	EP19920440124	19921106
ES2100326 T3	19970616	ES19920440124T	19921106
FR2683424 A1	19930514	FR19910014054	19911108
FR2683424 B1	19980731	FR19910014054	19911108

Priority:

FR19910014054 19911108

Probable Assignee: KUHN SA**Assignee(s):** (std): KUHN SA**Assignee(s):** KUHN S A ; KUHN S A ZABERN SAVERNE BAS RHIN FR**Inventor(s):** (std): ERMACORA RINO ; RINO ERMACORA**Inventor(s):** ERMACORA RINO F 67700 ST JEAN SAVERNE FR**Designated states:** DE DK ES FR IT NL**7) Family number: 65763801** (BR102016025784A)

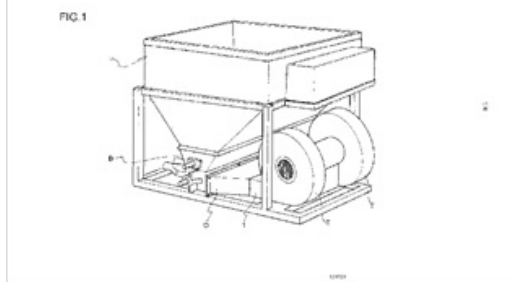
© PatBase

Title: DOSADOR MECANICO-PNEUMATICO DE MATERIAL SOLIDO (GRANULADO, EM PO, MISTURAS, SEMENTES ETC.) APLICADO EM MAQUINAS E IMPLEMENTOS AGRICOLAS

Abstract: Source: BR102016025784A [PT] RESUMO "DOSADOR MECANICO-PNEUMATICO DE MATERIAL SOLIDO (GRANULADO, EM PO, MISTURAS, SEMENTES ETC.) APLICADO EM MAQUINAS E IMPLEMENTOS AGRICOLAS". E um dosador que possui um minideposito (B) que se comunica com o fundo do deposito receptor do material (T) e possui uma abertura inferior de alimentacao abaixo da qual estende-se um conjunto de engrenagens dosadoras (e) montadas uma seguida da outra em um eixo rotor (E) que se estende de forma transversal, em um comprimento ao longo do referido bocal. Cada engrenagem (e) tem sua superficie cilindrica afetada por nervuras longiformes, por meio das quais, com seu movimento de giro, produz a dosagem do material que descarrega em uma respectiva camara interna (A) que e atravessada por uma respectiva passagem longitudinal fechada e individual (P), por onde circula a corrente de ar a pressao procedente de um duto de alimentacao (D) que se estende a partir da turbina externa produtora de tal corrente de ar a pressao. Ao passar a corrente de ar a pressao pelas camaras interna (A) segundo a seu desenho, gera-se um efeito de sucção, que aspira o material que cada engrenagem entrega, limpando cada nervura longiforme e secando os materiais que fazem parte do dosador, permitindo uma dosagem precisa. Cada camara interna (A) encontra-se fechada na parte superior por uma respectiva engrenagem dosadora (e) que atua como recurso de fechamento que impede desvios das correntes de ar que avançam pelas passagens (P). As engrenagens dosadoras (e) giram no mesmo sentido de avanço da máquina (se as hastes forem traseiras). Sobre a abertura inferior de alimentacao do minideposito (B) inclui-se a presente de um eixo destorroador giratorio (D) portador de uma variedade de hastes destorroadoras (12). Cada engrenagem dosadora (e) vai de encontro a uma respectiva camara interna (A) por uma estreita abertura de comunicacao interna definida entre a extremidade do tabique interno (15) que integra a parede de teto (16) da saida das passagens (P) e o trecho de extremidade interna (17) da parede (13) que se estende cobrindo cada uma das passagens (P). 123/129

Classifications:

International (IPC 8-9): A01B27/00 A01C17/00 A01C7/06
B65G31/04 B65G47/74 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
AR102524 AA	20170308	AR2015P103566	20151104
BR102016025784 A2	20170509	BR20161025784	20161104

Priority:

AR2015P103566 20151104

Probable Assignee:

MAMASU S R L

Assignee(s): (std):

MAMASU S R L

Assignee(s):

MAMASU SRL

Inventor(s): (std):

ESTEBAN HUGO PIVETA

8) Family number: 23003758 (US3344830A)

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Title: SUGAR CANE PLANTER

Abstract: (Claim 1) 1. For use with a prime-mover vehicle having a power take off shaft, a sugar cane planter comprising (a) a mobile vehicular frame adapted to straddle a sugar cane row and be drawn along the cane row by the prime-mover vehicle, (b) container means carried by the vehicular frame for containing a quantity of sugar cane stalks to be planted, said container having a bottom movable from the bottom of the container towards the top, the sugar cane stalks being removed from the top of the container, (c) a planting apron carried by said vehicular frame extending from the side thereof, (d) cane dispensing metering means carried by said apron, (e) sugar cane transfer means carried by said container positioned to engage sugar cane at the top of the container means and to transfer the cane stalks laterally of the container and drop them on the planting apron for discharge to an open cane row from said cane dispensing metering means, and (f) control means operatively associated with said planting apron, cane transfer means and the bottom of the container means so that as the cane transfer means loses contact with the top of the mass of cane stalks in the container the bottom of the container will be raised to reestablish transfer contact between cane stalks at the top of the container and said cane transfer means and that the supply of cane stalks from the container to the apron not exceed the pre-determined rate of plant whereby the apron upon being overloaded will stop the cane transfer means.

Classifications:

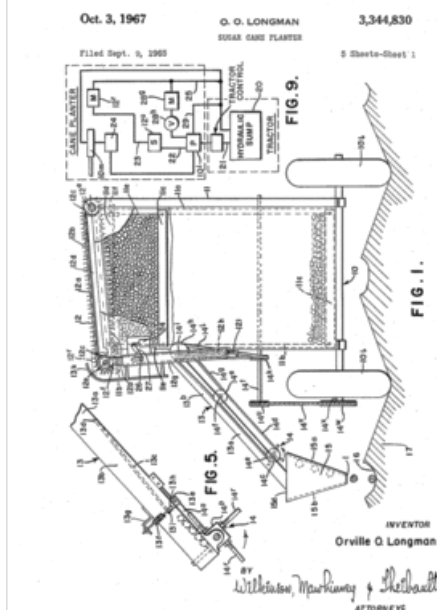
International (IPC 8-9): A01C11/00 A01C9/00 (Advanced/Invention); A01C11/00 A01C9/00 (Core/Invention)

International (IPC 1-7): A01C11/00

CPC: Y10S111/907 A01C11/00 Y10T83/7189

European: A01C11/00 A01C9/00

US: 111/104 111/907 221/13 221/135 221/151 221/185 221/218 221/224 221/277 221/289 83/808 D15/27

**Family:**

Publication number	Publication date	Application number	Application date
US3344830 A	19671003	US19650486083	19650909

Priority:

US19650486083 19650909

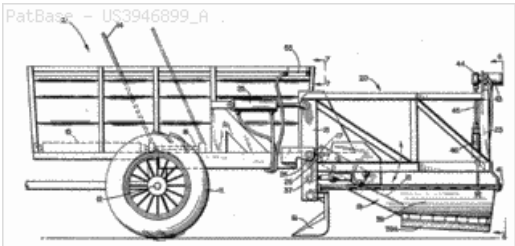
Probable Assignee: LONGMAN ORVILLE O
Assignee(s): (std): LONGMAN ORVILLE O
Inventor(s): (std): LONGMAN ORVILLE O

9) Family number: 1259838 (US3946899A) © PatBase

Title: SUGAR CANE PLANTER

Abstract: The present disclosure is directed to a sugar cane planter pivotally mounted on the rear of a cane cart which automatically receives cane stalks sitting on their butt ends and pushed rearwardly of a cane cart where they are to be planted either whole or in cut lengths and are engaged at their base or butt ends and directed rearwardly with the butts rearwardly of their tips so that the cane stalks fall butt end rearwardly where they are engaged by cane orienting plates which impart an upward and rearward vector to the stalks either whole or cut to orient them with their major axis substantially parallel to the major axis of the cane cart and substantially parallel to the ground in which attitude they fall into a cane dispensing trough which has a mouth parallel to the major axis of the cane cart and positioned above an open planting furrow for receiving the stalk in its horizontal attitude. The cane dispensing trough has two live surfaces which hydraulically pulsate between an open and closed position to assure feeding of stalks to the ground and which prohibit build up or clustering of stalks on a static surface which results in uneven planting feed of the stalks to the furrows. The planter is pivotally mounted at the rear of the cane cart so that the height and angle of the kicker may be varied to accommodate cane size and furrow opening. The frame assembly also may have a plow in advance of the planter to open the furrows to receive the cane stalks.

Classifications:
International (IPC 8-9): A01C9/00 (Advanced/Invention);
A01C9/00 (Core/Invention)
International (IPC 1-7): A01C11/00
CPC: Y10S111/907 A01C11/00 A01C9/00
European: A01C11/00 A01C9/00
US: 111/907 221/225



Family:

Publication number	Publication date	Application number	Application date
US3946899 A	19760330	US19750547974	19750207

Priority:

US19750547974 19750207

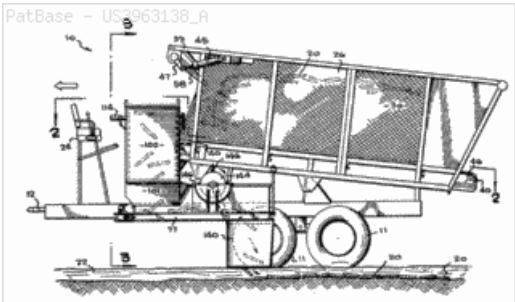
Probable Assignee: ALLAIN CHARLES V
Assignee(s): (std): ALLAIN CHARLES V
Inventor(s): (std): ALLAIN CHARLES V

10) Family number: 1293466 (US3963138A) © PatBase

Title: CANE PLANTER

Abstract: A trailer vehicle having a storage bin for storing a large quantity of cane seed piece segments is disclosed with removal conveyor means carrying the cane segments forwardly to first and second distribution conveyors which convey cane segments to opposite sides of the vehicle where they are deposited on dropping conveyors extending along each side of the vehicle which drop the cane segments into furrows beneath the dropping conveyors; rotary levelling means are provided above the distribution and dropping conveyors for providing an even feeding of the cane segments and orientation of the cane segments is maintained by flexible rubber curtain members through which the cane segments fall from the dropping conveyors into the furrow.

Classifications:
International (IPC 8-9): A01C11/00 A01C9/00
B60P1/38 (Advanced/Invention);
A01C11/00 A01C9/00 B60P1/36 (Core/Invention)
International (IPC 1-7): B60P1/38
CPC: Y10S111/907 B60P1/38 A01C11/00
European: A01C11/00 A01C9/00 B60P1/38
US: 111/104 111/120 111/907 198/602 214/519 414/502 414/528



Family:

Publication number	Publication date	Application number	Application date
US3963138 A	19760615	US19750557169	19750310

Priority:

US19750557169 19750310

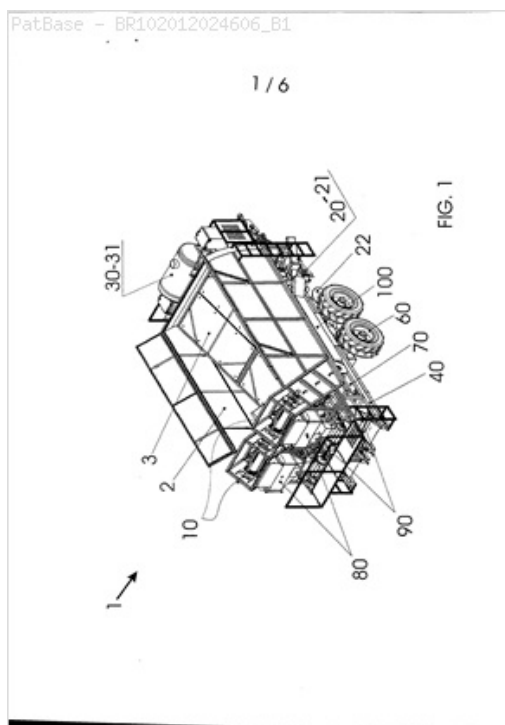
Probable Assignee: SUGAR CANE GROWERS COOP
Assignee(s): (std): SUGAR CANE GROWERS COOP
Assignee(s): SUGAR CANE GROWERS COOPERATIVE OF FLORIDA
Inventor(s): (std): FOWLER LARRY G

Title: PLANTADORA AUTOMATICA DE CANA-DE-ACUCAR Automatic SUGAR CANE PLANTER (Machine translation)

Abstract: Source: BR102012024606B [PT] plantadora automatica de cana-de-acucar o presente resumo refere-se a uma patente de invencao para plantadora de cana-de-acucar, pertencentes ao campo dos implementos agricolas, particularmente para plantacao de cana-de-acucar, formada por subconjuntos usuais de uma plantadora de cana-de-acucar automatica associados a conjunto intercalado entre a saida do subconjunto direcionador elevador (10) e a entrada da bica lancadora (11), formado: por subconjunto dosador (80) que recebe um fluxo de mudas de cana-de-acucar (200) do subconjunto direcionador elevador (10); subconjunto de bica direcionadora de secao em "v" (90) que recebe o fluxo de mudas de cana-de-acucar dosado (200) do subconjunto dosador (80); e por subconjunto de esteira transportadora-alinhadora das mudas de secao em "v" (100), que recebe um fluxo de mudas de cana-de-acucar dosado (200) do subconjunto bica direcionadora de secao em "v" (90) e que preve rotores alinhadores intermediarios (110), que alinham as mudas formando fluxo de mudas de cana-de-acucar dosado e alinhado (200); dito subconjunto de esteira transportadora-alinhadora das mudas de secao em "v" (100) tem saida (102) que abre na bica lancadora (11) onde despeja o fluxo de mudas de cana-de-acucar dosado e alinhado (200), a qual lanca referido fluxo no sulco de plantio (300) aberto no solo pelo subconjunto sulcador (20). **Machine translation:** Planter sugarcane automatic summary the present invention relates to relates to a sugarcane planter, belonging to the field of agricultural implements, particularly for planting of sugarcane, formed by usual are subset a planter automatic sugarcane associated with interleaved set between the output of elevator subassembly (10) and the spout input director launcher (11), formed: per subset doser (80) that receives a flow of seedlings sugarcane harvester (200) of the elevator subassembly (10) Director; spout subassembly marking "v" section (90) that receives the stream of the sugar cane seedlings dosed (200) of the subset doser (80); and conveyor belt-alinhadora subassembly of seedlings of "v" section (100) which receives a flow of seedlings of Sugarcane harvester dosed (200) spout subassembly (90) Marking of "v" section that predicts rotors 110 and intermediate liners), that align seedlings forming flow of sugarcane seedlings metered and aligned with (200); said conveyor belt-alinhadora subassembly of seedlings of "v" section (100) has output (102) that opens into bica (11) where dump the launcher sugarcane seedlings metered and aligned with (200), which launches said open flow (300) planting furrow in the soil by opener subassembly (20).

Classifications:

International (IPC 8-9): A01C5/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
BR102012024606 A2	20140624	BR20121024606	20120927
BR102012024606 B1	20180814	BR20121024606	20120927

Priority:

BR20121024606 20120927

Probable Assignee: SANTA IZABEL IMPLEMENTOS AGRICOLAS LTDA

Assignee(s): (std): SANTA IZABEL AGRO IND LTDA ; SANTA IZABEL IMPLEMENTOS AGRICOLAS LTDA ; SOUFER IND LTDA

Assignee(s): SOUFER INDUSTRIAL LTDA ; SANTA IZABEL AGRO INDUSTRIA LTDA

Inventor(s): (std): MARTINI ALEXANDRE HERNANDES ; ALEXANDRE HERNANDES MARTINI

12) Family number: 68922228 (CN107810690A)

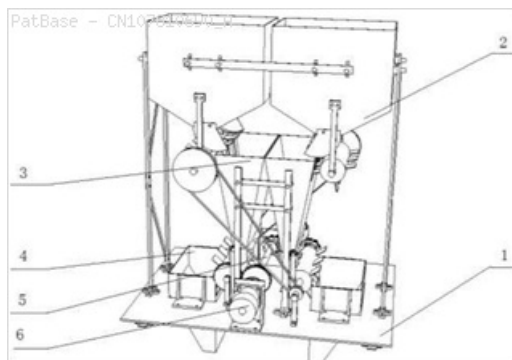
Title: SUGARCANE SEED METERING DEVICE

Abstract: A sugarcane seed metering device includes a base, a feeding device, a seed metering device, a seed guiding device, a transmission mechanism and a hydraulic motor. A specific structure and a connectingmode are as follows: the feeding device is mounted on the base, the seed metering device is mounted on the base, the seed metering device is located below the feeding device, the seed guiding device is mounted on the base, the hydraulic motor is installed on one side of the base, and a feed roller mechanism of the feeding device and the seed metering roller mechanism of the seed metering device are driven by the transmission mechanism to move. The sugarcane seed metering device can achieve automatic metering of precut sugarcane seeds, the seeds can be uniformly metered according to agronomic requirements, the seed metering efficiency is high, and the sugarcane seed metering device is suitable for being carried on a carrier such as a tractor or a sugarcane planter.

Classifications:

International (IPC 8-9): A01C14/00 (Advanced/Invention)

CPC: A01C14/00



Family:

Publication number	Publication date	Application number	Application date
CN107810690 A	20180320	CN201711277016	20171206

Priority:

CN201711277016 20171206

Probable Assignee: UNIV GUANGXI

Assignee(s): (std): GUANGXI UNIV ; UNIV GUANGXI

Inventor(s): (std): YANG JIAN ; YANG WANG ; YUAN JUNJIE

13) Family number: 2162217 (US4696241A)

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Title: CANE BILLET PLANTER

Abstract: PCT No. PCT/AU85/00118 Sec. 371 Date Feb. 3, 1986 Sec. 102(e) Date Feb. 3, 1986 PCT Filed Jun. 3, 1985 PCT Pub. No. WO85/05531 PCT Pub. Date Dec. 19, 1985. Apparatus for planting cane billets including a bin assembly for carrying cane billets to be planted, a rotor supported at one end of the bin assembly, the rotor having a plurality of vanes which gather billets from the top of the bin assembly and direct billets into grooves between the vanes for depositing into a hopper, the hopper having a pair of endless conveying chains at its lower end, the chains moving in opposite directions to convey billets to feed chutes for depositing in a planting furrow.

Classifications:

International (IPC 8-9): A01C11/00 A01C9/00 (Advanced/Invention);

A01C9/00 (Advanced/Non-invention);

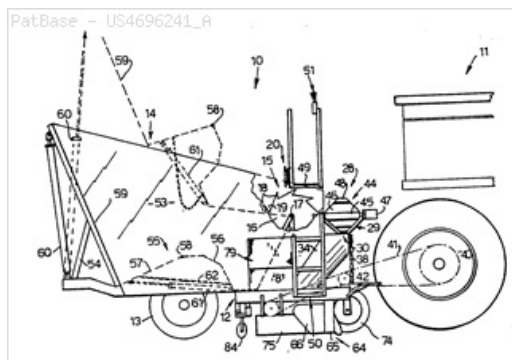
A01C11/00 A01C9/00 (Core/Invention)

International (IPC 1-7): A01C11/00

CPC: Y10S111/907 Y10S111/926 A01C11/00

European: A01C11/00 A01C9/00

US: 111/104 111/111 111/3 111/907 111/926



Family:

Publication number	Publication date	Application number	Application date
AU198544377 A1	19851231	AU19850044377	19850603
AU582168 B2	19890316	AU19850044377	19850603
BRPI8506763 A	19860923	BR1985PI06763	19850603
US4696241 A	19870929	US19860830524	19860203
WO8505531 A1	19851219	WO1985AU00118	19850603
ZA8504158 A	19860430	ZA19850004158	19850603

Priority:

AU1984PG05349 19840601 WO1985AU00118 19850603

Probable Assignee: MORELLINI P

Assignee(s): (std): MORELLINI P ; MORELLINI PETER

Assignee(s): PETER MORELLINI

Inventor(s): (std): PETER MORELLINI ; MORELLINI PETER

Agent(s): JOHN RG GARDINER

Designated states: AU BR US

14) Family number: 995967 (US3648631A)

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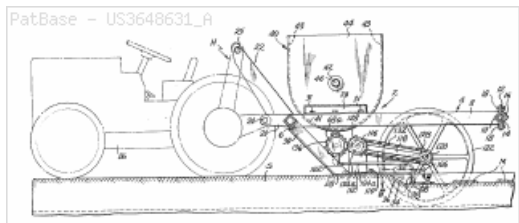
Title: VOLUME DISPLACEMENT SEED PLANTER, MATRIX, AND METHOD OF PLANTING SEED

Abstract: A seed planter and method for planting seeds, wherein the seeds to be planted are first suspended substantially uniformly in a suitable gel matrix, the seed-bearing matrix then being directly injected at planting depth into a prepared seed bed according to a desired planting pattern.

Classifications:

International (IPC 8-9): A01C1/06 A01C7/06

A01C7/18 (Advanced/Invention);
A01C1/06 A01C7/00 (Core/Invention)
International (IPC 1-7): A01C23/00 A01C7/18
CPC: Y10S111/903 Y10S111/917 A01C1/06 A01C7/06 A01C7/18
A01C7/004
European: A01C1/06 A01C7/06 A01C7/18
US: 103/117 111/1 111/120 111/177 111/200 111/37 111/6 111/78
111/903 111/917 221/185 222/177 222/407 222/623 418/155



Family:

Publication number	Publication date	Application number	Application date
US3648631 A	19720314	US19680773889	19681106

Priority:

US19680773889 19681106

Probable Assignee: JOE N SUMMERS JR
Assignee(s): (std): JOE N SUMMERS JR ; MELVIN L FIEDLER
Inventor(s): (std): SUMMERS JOE N JR ; FIEDLER MELVIN L
Inventor(s): MELVIN L FIEDLER ; JOE N SUMMERS JR