



New connection on: : 29-03-2018 : 02:47:36 - Last disconnection on: : 29-03-2018 : 02:26:57

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 14] ..fi epodoc

 Database: EPODOC

[EPODOC: SS 14] tube+ or mandrel+

Results in EPODOC 1.865.319

[SS 15] * and (teeth or tooth)

Results in EPODOC 19.109

[SS 16] * and (soil+ or ground+)

Results in EPODOC 592

[SS 17] * and PD<2013-09-05

Results in EPODOC 414

[SS 18] ..li 1-10



1/414 © EPODOC / EPO

PN - [TW204320B](#) B 19930421

PR - TW19920110521 19921231

AP - TW19920110521 19921231

DT - I

PA - BLUESKY TECHNOLOGY COMPANY [TW]

TI - Band type braking apparatus

AB - A band type braking apparatus includes a drag band, two brackets attached to the underside of vehicles, and a control device manipulated by the driver. The drag band, made of a tough material with a high friction coefficient and having the same width as vehicles, is connected to an axle at one end and to a guide rod at the other end. The axle

freely rotatably mounts on two brackets and has a gear provided on one end. The **mandrel** of a solenoid installed on the bracket and motivated by the control device is positioned between two **teeth** of the gear to hold the axle. When the brakes fail, the driver can operate the control device to retract the **mandrel** so that the axle can freely rotate, as a consequence of which the guide rod will fall due to gravity and the drag band descends to the **ground**. And then the rear wheels of vehicles roll the band producing a strong friction force to bring the vehicles to stop.

2/414 © EPODOC / EPO

- PN - [UA83871](#) C2 20080826
- PR - UA20060005202 20060512
- AP - UA20060005202 20060512
- DT - I
- PA - ZELINSKYI MYKOLA ZDISLAVOVYCH [UA]
- TI - TILL-PLANT OUTFIT
- AB - A till-plant outfit has a mounted chisel part with a frame and support wheels at the front end face of which is placed a device for mounting the power carrier vehicle, subsurface cultivation actuators made in form of the share blades with spreaders provided with hollow bars functioning as fertilizer **tube**; it also has a trailing part made in form of grain drill with a bin for seeds connected to the mounted part and sowing apparatus behind of which is placed a drag chain to level up the surface of sown field. The frame of the mounted part is provided with two pairs of support wheels with different track gage placed at the front and after ends of the frame; the grain drill is also provided with two pairs of support wheels with different track gage at that not aligning with the gages of support wheels placed at the frame of the mounted part. The seed-metering unit of the grain drill is equipped with tangential swirler made in the form of the three screw blades mounted in the bottom part of vertical **tube** connected to the seed-metering unit which is pneumatically connected to the hollow share blades with spreaders. To provide the sowing process at the frame of the mounted part is placed a high-pressure fan pneumatically connected by double air **tube** for supply of the seed from the bin to the seed-metering unit, and for ejector supply of the bulk seed to the bin of grain drill. Behind each share blade is placed a separate gravity land leveler made in the form of a section of floating rake with mechanical eccentric governor of the level of its forcing to the **soil**, and the drag chain is equipped with the inclined ripping **teeth** for the **soil** plotting and lateral displacement of plant remainders which are removed from the **soil** during treatment thereof by drag chain.

3/414 © EPODOC / EPO

- PN - [UA48836U](#) U 20100412
- PR - UA2009200908823U 20090825
- AP - UA2009200908823U 20090825
- DT - I
- PA - PAVLOV OLEKSII LEONIDOVYCH [UA]; DRANYSCHEV MYKOLA IVANOVYCH [UA]; RESHETNIAK MYKOLA VASYLIOVYCH [UA]; BONDAR SERHII MYKOLAIOVYCH [UA]
- TI - UNIT FOR HARROWING WINTER AND FALLOW FIELD WITH SIMULTANEOUS APPLICATION OF LIQUID **SOIL** HERBICIDES

AB - A unit for harrowing a winter and fallow field with simultaneous application of liquid **soil** herbicides consists of a harrow, which has a spoke, a frame, a hydraulic system, running and transport wheels. On the frame of the spring-**tooth** harrow a container and a pump are mounted. They are connected to a distribution **tube** with sprayers attached thereto.

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PN - [RU2011120448](#) A 20121127

PNFP - RU2478234 C2 20130327

PR - RU20110120448 20110524

AP - RU20110120448 20110524

DT - I

PA - (C2)
MOSIENKO NIKITA MIKHAILOVICH [RU]

TI - (C2)
METHOD FOR LEVELLING OPTICAL DENSITY OF EXTRACTED **TOOTH** DENTIN

AB - (C2)
FIELD: medicine.SUBSTANCE: extracted **tooth** is placed in 10% nitric acid for 53 hours. Then it is placed in a disperse system of 96% alcohol and copper sulphate (II) for 50 hours. Then it is placed in a toluene solution for 20 hours. Then the prepared macropreparation is coated with Canadian fir resin 'Canadian Balm'. All the processes of exposition in the solutions are conducted in test **tubes** with tightly **ground** covers. EFFECT: method provides using the **tooth** macropreparation for scientific researched, quality assessment of root canal preparation, quality assessment of filling materials, as a presentation for dental students, ensured by levelling the optical density of dentin.
4 dwg

5/414 © EPODOC / EPO

PN - [RU2012146160](#) A 20130310

PNFP - RU2526137 C2 20140820

PR - RU20120146160 20121029

AP - RU20120146160 20121029

DT - I

PA - (C2)
OOO PEREKHOD [RU]

TI - (C2)
OIL-AND-GAS PIPE COUPLING AND METHOD OF ITS ASSEMBLY, STRAP, COUPLING GUIDE-SUPPORT RING AND DEVICE FOR ITS ASSEMBLY

AB - (C2)
FIELD: oil-and-gas industry.SUBSTANCE: invention relates to pipeline transportation and can be used in couplings of pipelines laid in protective jacket. Proposed coupling comprises protective jacket, stalk, vent system and diagnostics system. Pipeline is laid in said jacket at bearing guide rings. Said rings are made of glass-fibre interchangeable segments connected to semi-ring and to ring on pipeline and secured thereat by rubber gaskets and wedge-like retainers with opposite herring-bone **teeth** made at their side

surfaces. Vent system consists of two vertical and one horizontal air ducts communicated via **tube** space to be sealed on both sides by unmoulded rubber collars secured by straps. Collars have crimp with inlet and outlet for FP protective jacket. Strap consists of squeezing element made of round metal rolled stock, thrusts with holes and metal strip welded in place from thrust to thrust. Diagnostics system consists of fibre-optics transducers, control FO and all-weather cabin arranged at **ground** surface.EFFECT: higher reliability.6 cl, 24 dwg

6/414 © EPODOC / EPO

- PN - [CN203167573U](#) U 20130904
- PR - CN2013261096U 20130204
- AP - CN2013261096U 20130204
- DT - I
- PA - LI RUSHE
- TI - **Tuber** crop harvester
- AB - The utility model provides a **tuber** crop harvester which comprises a rack. A toothed plate is arranged on the bottom side of the front end of the rack. A **soil** screening frame is arranged on the back portion of the toothed plate and is connected with a conveying mechanism conveying crops. The conveying mechanism is connected with a hopper so as to convey crops from the **soil** screening frame into the hopper. The conveying mechanism is arranged in an inclined mode and is connected with an adjusting mechanism capable of being used for adjusting the inclined angle of the conveying mechanism. According to the **tuber** crop harvester, the adjusting mechanism is arranged, so that the gradient of the conveying mechanism can be adjusted at will, and therefore the requirements for harvesting various medicinal materials are met. Moreover, an annular groove is formed in the surface of the bottom of a drive sprocket chain of the conveying mechanism, so that the difficult problem that a chain comes off **teeth** is effectively solved. The **tuber** crop harvester is simple in structure and stronger in practicality.

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- PN - [CN203138724U](#) U 20130821
- PR - CN20132149504U 20130329
- AP - CN20132149504U 20130329
- DT - I
- PA - AFFILIATED STOMATOLOGICAL HOSPITAL OF NANJING MEDICAL UNIVERSITY
- TI - **Tooth**-grinding lowering device
- AB - The utility model provides a **tooth**-grinding lowering device which comprises a metal cast stent attached to the palate, wherein the metal cast stent is fixed in the oral palate through a planting nail; two half-moon-shaped rings are arranged at the tail of the metal cast stent and are respectively clamped in the final **tooth**-grinding circle of the upper jaw; two hook pieces are arranged on each half-moon-shaped ring and are respectively positioned on the corrected **tooth**-grinding buccolingual side; the hook pieces are sleeved with an elastic ring tractor; the elastic ring tractor is sleeved on the lingual fastener or buccal **tube** on the **ground teeth**; and the hook pieces are positioned on the gum of the lingual fastener or buccal **tube**. The **tooth**-grinding lowering device

can provide powerful support, the **ground teeth** can be effectively lowered, the **teeth** can be consistent with the long axis of the **teeth** in the force application direction, other adverse inclined movement is not generated in the process of grinding the **teeth**, and the discomfort of the patient in the using process can be lightened; and in addition, the planting nail can provide absolute support, and the lowering effect is obvious.

8/414 © EPODOC / EPO

- PN - [CN103252270](#) A 20130821
- PR - CN20131127553 20130413
- AP - CN20131127553 20130413
- DT - I
- CT - || STSE (A)
[CN102326470](#) A 20120125 [YX] (UNIV HEILONGJIANG BAYI AGRI)
 [Y] 1-2
 [X] 1-2
[CN203245000U](#) U 20131023 [R] (SU YUNMING)
 [R] 1-2
 权利要求1-2
[CN201097484Y](#) Y 20080813 [Y] (JIAXUE ZHANG [CN])
 [Y] 2
 图1
- PA - SU YUNMING
- TI - Movable sprout cultivation **soil**-sieving machine
- AB - The invention discloses a movable sprout cultivation **soil**-sieving machine. The movable sprout cultivation **soil**-sieving machine comprises a chassis, the bottom of which is provided with rollers. A bracing frame is fixedly mounted on the rear part of the chassis. A shoveling plate is fixedly mounted at the lower part of the chassis and located below the bracing frame. Breaking **teeth** are rotatably arranged on the part of the chassis at one side of the shoveling plate through a rotating shaft. The upper and lower ends of the bracing frame are respectively provided with a rotating shaft; a plurality of uniformly distributed delivery **tube** seats are installed on the bracing frame through chain drive and are fixedly mounted on a chain; the bracing frame is obliquely arranged; a reserve box is fixedly mounted on the part of the chassis at the side to which the bracing frame inclines; and a sieve is fixedly mounted above the reserve box. The movable sprout cultivation **soil**-sieving machine can be used as corollary equipment for rice cultivation mechanized sprout cultivating equipment, can be driven by a rotocultivator configured on a farm tractor power drive unit and has the advantages of good **soil** breaking quality, implement function and working performance, operational reliability, stability and reduction in considerable manual labor.

9/414 © EPODOC / EPO

- PN - [CN103238406](#) A 20130814
- PR - CN2012122626 20120201
- AP - CN2012122626 20120201
- DT - I
- CCA - [Y02P60/40](#) ; [Y02A40/243](#)

PA - LI YING; LI JING

TI - Desert boring planting machine

AB - The invention relates to a desert boring planting machine, and especially relates to a dual-layer casing boring planting machine. The desert boring planting machine is composed of a stabilizer, an outer **tube**, an inner **tube**, tapered drill **teeth**, inner **tube** clamps, an outer **tube** bayonet, antiskid spring clips, a twist handle and the like. A sapling can be fast and accurately planted to deep sandy **soil** having a depth of above 1m through using the desert boring planting machine, and bore and sapling planting are completed once. The desert boring planting machine substantially increases the work efficiency of the sand control, the sand prevention and afforestation and the survival rate of saplings, and has substantial social and economic benefits.

10/414 © EPODOC / EPO

PN - [CN103233695](#) A 20130807

PNFP - CN103233695B B 20151021

PR - CN20131140428 20130422

AP - CN20131140428 20130422

DT - I

CT - || STSE (A)
[CN203213989U](#) U 20130925 [R] (CHINA NAT OFFSHORE OIL CORP, et al)
[R]
[US2003019623](#) A1 20030130 [A] (KING JAMES [US], et al)
[A]
[CN2383961Y](#) Y 20000621 [A] (FUXIN CITY PETROLEUM TOOL FACT [CN])
[A]
[CN2403888Y](#) Y 20001101 [A] (NO 2 OIL PRODUCTION FACTORY DA [CN])
[A]
[US6536532](#) B2 20030325 [A] (DOANE JAMES CHRISTOPHER [US])
[A]
[CN101506461](#) A 20090812 [A] (STATOIL ASA [NO])
[A]
[CN1387602](#) A 20021225 [A] (SHELL INT RESEARCH [NL])
[A]

PA - (A)
CHINA NAT OFFSHORE OIL CORP; CNOOC ENERGY TECH & SERV LTD; CNOOC ENERGY TECHNOLOGY & SERVICES SUPERVISION & TECHNOLOGY CO

TI - (A)
Hydraulic lock

AB - (A)
The invention relates to a hydraulic lock which comprises a central **tube** and is characterized in that a locking block sleeve is sleeved on an outer thread at the close end of the central **tube**, and an outer thread at the other end is connected with an upper joint. A magnetic locking mechanism formed by a locking block, a magnetic cup and a magnetic block is arranged on the circumference of the connection portion of the central **tube** and the locking block sleeve, and a piston in saw **tooth** buckle connection with the upper joint is arranged between the central **tube** on the side of the magnetic

locking mechanism and the locking block sleeve. The hydraulic lock has the advantages of being capable of preventing risks such as shaking of a service tubular column during large-discharge-capacity and high-cement-sand-ratio gravel packing operation and shaking and jumping of service tools and **ground** pipelines, reducing high drill floor operation danger coefficient and accurately judging the relative positions of the service tools and outer layer tubular column packing. In addition, the hydraulic lock is simple in structure, reliable in performance and easy to assemble.

[SS 18]