

nd (clamp+ or caliper+)

1/16 © EPODOC / EPO

PN - [CN108106820](#) A 20180601
PR - CN20161150581 20161125
AP - CN20161150581 20161125
DT - I
CNOI - [G01M13/00](#) ; [G01M17/007](#)
PA - HARBIN UNIV OF SCIENCE AND TECHNOLOGY
TI - Comprehensive test **bench** for **caliper disc** brakes under multiple conditions
AB - A comprehensive test **bench** for **caliper disc** brakes under multiple conditions comprises a tested **brake disc**, a **brake clamp**, a **brake** block, a sensor, a shaft, a shaft bracket, a coupling, a gear box, an AC variable-frequency **motor**, a hydraulic component, an electric control box, a **brake clamp** mounting bracket, a T-shaped guide rail, a slider, a protective cover, a sprinkler, and the like. The **brake disc** of the tested **caliper disc brake** is mounted on a shaft end flange of the shaft connected with the output shaft of the gear transmission and is connected by bolts, and the **brake clamp** is connected to the **brake clamp** mounting bracket through bolts, thus forming a **caliper disc brake**. The electric control box is controlled through a computer. The braking process of a vehicle under multiple conditions is simulated by using the AC variable-frequency **motor**, the gear transmission, the shaft and the like, in order to test the braking efficiency of the **brake**. The invention designs a novel comprehensive test **bench** for **caliper disc** brakes under multiple conditions, which realizes performance test of **caliper disc** brakes under multiple conditions.

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PN - [CN206881991U](#) U 20180116
PR - CN20172831626U 20170711
AP - CN20172831626U 20170711
DT - I
PA - XIANGSHAN YONGHUI MECH AND ELECTRICAL EQUIPMENT CO LTD
TI - Auto -parts's japanning device
AB - The utility model discloses an auto -parts's japanning device, include frame platform and the paint spraying cabinet who locates the frame **bench**, the **clamping** unit that

sprays paint is including locating a frame **bench** left side, the jacking cylinder at right side both ends, the installation piece of connection on the jacking cylinder, it drives the pivoted carousel to be equipped with the **motor** on the installation piece, install flexible joint on the carousel, the last sucking **disc** of installing the intercommunication vacuum pump of flexible joint, be used for installing auto -parts between two sucking discs, be connected with the decurrent baffle of slope between the two installation pieces, the top of installation piece is equipped with the gallows that is fixed in the frame **bench**, be equipped with the horizontal slide rail on the gallows, sliding connection has universal joint on the horizontal slide rail, the last articulated spray gun that has of universal joint, paint spraying head provides power through the pneumatic cylinder, universal joint signal connection has **brake** valve lever, the utility model discloses anticipate and currently spray paint that the manufacturing equipment structure is complicated, occupation space is big solving, or artificial holding airbrush japanning and the spraying that leads to are not in place, the problem that causes adverse effect to the health.

3/16 © EPODOC / EPO

- PN - [CN107655696](#) A 20180202
- PR - CN20161591029 20160726
- AP - CN20161591029 20160726
- DT - I
- CNOI - [G01M17/007](#)
- PA - WUHAN DONGCE TECH CO LTD
- TI - Automobile **brake** system hot and cold abrasion impact performance test **bench**
- AB - The invention relates to an automobile **brake** system hot and cold abrasion impact performance test **bench**, which is characterized in that the test **bench** is divided into two layers, a driving **motor** at the upper layer is connected with a transmission shaft by means of an electromagnetic clutch, the transmission shaft is provided with an inertia flywheel device and a **clamping** bracket in the radial direction, left and right ends of the transmission shaft are each provided with a bearing seat, one of the bearing seats is connected with a tested **brake disc** arranged at the leftmost end of the upper layer; and the lower layer is sequentially provided with an electric-drive simulation oil pressure **brake** device, an environmental air volume blowing device and a data acquisition and control system from left to right. According to the automobile **brake** system hot and cold abrasion impact performance test **bench**, **brake disc** surface temperature, **brake disc** surface runout, **brake disc** plate thickness, rotation speed and time of a **brake disc** and inertia generated at different speeds are measured and analyzed by

means of the data acquisition and control system, the cost and risk of automobile **brake** system detection tests can be reduced, and the detection efficiency can be improved.

4/16 © EPODOC / EPO

PN - [CN107515167](#) A 20171226
 PR - CN20171732207 20170824
 AP - CN20171732207 20170824
 DT - I
 CNOI - [G01M13/00](#) ; [G01N3/56](#)
 CNOA - [G01N2203/0037](#)
 PA - JIUTONG NEW FRICTION MAT
 CHAOYANG CO LTD
 TI - 1:1 **brake** pad service life
 abrasion test **bench**
 AB - The invention discloses a 1:
 1 **brake** pad service life abrasion
 test **bench** and relates to
 automobile **brake** pad test
 equipment. The 1:1 **brake** pad
 service life abrasion test **bench**
 comprises a test **bench**, a **motor**, a
 speed changing box, an output
 shaft, a **disc** type **brake** and
 a **brake** structure, wherein
 the **motor** is fixedly mounted on
 the test **bench**; the **motor** is
 connected with the speed
 changing box; the speed
 changing box is connected with
 an inertia wheel; the speed
 changing box is connected with
 the output shaft through the
 inertia wheel; the **disc** type **brake**
 is mounted on the output shaft;
 the **disc** type **brake** comprises
 a **brake caliper** and a **brake disc**;
 the **brake caliper** is provided with
 a **brake** pad; the **brake** structure is
 connected with the speed
 changing box. The 1:1 **brake** pad
 service life abrasion test **bench**
 disclosed by the invention is
 convenient and practical and can
 be used for accurately testing the
 abrasion-resisting degree of a
 friction plate; the technical
 problem in the prior art that the
 service life of the **brake** pad
 cannot be rapidly and accurately
 evaluated is solved and one
 vacancy in a friction material
 industry is filled up; meanwhile,
 the 1:1 **brake** pad service life
 abrasion test **bench** is also
 suitable for testing the service
 life of other friction materials.

5/16 © EPODOC / EPO

PN - [CN206056931U](#) U 20170329

PR - CN20162794969U 20160726

AP - CN20162794969U 20160726

DT - I

PA - WUHAN DONGCE TECH CO LTD

TI - Cold and hot wearing and tearing impact property test **bench** of vehicle braking system

AB - The utility model relates to a cold and hot wearing and tearing impact property test **bench** of vehicle braking system, characterized by: the test **bench** is two -layer about dividing, and the driving **motor** on upper strata passes through electromagnetic clutch and links to each other with the transmission shaft, and the transmission shaft directly upwards is furnished with inertia flywheel gear and **clamping** support to be equipped with no. Two bearing frames and a bearing frame respectively at left and right end, no. Two the bearing frame links to each other with the **brake disc** of being surveyed that is located upper high order end through a series of connecting device, the lower floor from left to right is equipped with electricity promotion simulation oil pressure **brake** equipment in proper order, the environment amount of wind brushes device and data collection and control system. Beat, **brake** the inertia that produces under rotational speed and time, the friction speed of **disc** plate thickness, **brake disc** through the data collection and control system to **brake** block surface temperature, **brake disc** surface and measure and assay, can reduce vehicle braking system testing's cost, risk, improve detection efficiency.

6/16 © EPODOC / EPO

PN - [CN106115362](#) A 20161116

PR - CN20161489355 20160628

AP - CN20161489355 20160628

DT - I

CT - || STSE (A)
[US2578620](#) A 19511211 [A] (WILHELM KURT E)
 [A] 1-6
 * 全文 *;
[CN2413814Y](#) Y 20010110 [A] (JIANGSU FAERSHENG TECHNOLOGY D [CN])
 [A] 1-6
 * 全文 *;
[CN2641097Y](#) Y 20040915 [A] (SHEN LIYUAN [CN])
 [A] 1-6
 * 全文 *;
[CN201173836Y](#) Y 20081231 [A] (SHANGHAI MUNICIPAL ELEC POWER [CN])
 [A] 1-6
 * 全文 *;
[CN102418749](#) A 20120418 [A] (WUXI SHENGLIDA MECHANICAL ENGINEERING CO LTD)
 [A] 1-6
 * 全文 *;
[CN202786913U](#) U 20130313 [A] (HUBEI SANJIANG SPACE JIANGBEI MECHANICAL ENG CO LTD)
 [A] 1-6
 * 全文 *;
[CN202830620U](#) U 20130327 [A] (JIANGSU XINGDA STEEL TYRE CORD)
 [A] 1-6
 * 全文 *;
[CN104517690](#) A 20150415 [A] (TIANJIN TIANLAN ELECTRICAL MACHINERY CO LTD)
 [A] 1-6
 * 全文 *;
[CN105363830](#) A 20160302 [A] (JIANGSU XINGDA STEEL CORD CO)
 [A] 1-6
 * 全文 *;
[CN20522289U](#) U 20160511 [A] (JIANGSU XINGDA STEEL CORD CO)
 [A] 1-6
 * 全文 *
 CNOI - [B65H59/00](#) ; [B65H59/40](#)

CCA - [Y02P70/30](#)

PA - JIANGSU XINGDA STEEL CORD CO

TI - Novel tension detecting device for take-up tool of steel cord inside take-up machine tool

AB - The invention discloses a novel tension detecting device for a take-up tool of a steel cord inside take-up machine tool. The novel tension detecting device for the take-up tool of the steel cord inside take-up machine tool comprises a workbench, a frequency converter, the take-up tool, a pneumatic braking device, a tool fixing rotary **brake disc**, a transmission shaft sleeve and a variable-frequency gear **motor**. The novel tension detecting device for the take-up tool of the steel cord inside take-up machine tool is characterized in that the pneumatic braking device, the transmission shaft sleeve and the variable-frequency gear **motor** are sequentially arranged on the surface of the workbench, the tool fixing rotary **brake disc** is arranged in the transmission shaft sleeve, and the frequency converter is fixed to the side face of the workbench. The novel tension detecting device for the take-up tool of the steel cord inside take-up machine tool has the advantages that (1) the pneumatic braking device conducts braking and fixing synchronously according to a reserved command of the frequency converter, the function of a **bench vice clamp** is replaced, a maintainer can manually adjust the tension required by the take-up tool conveniently, and the whole debugging process is made more visual and easier; (2) automatic proceeding of tension measurement is achieved while the accuracy of measured tension data is guaranteed; and (3) the defect that the whole tool needs to be dismantled repeatedly during early-stage take-up tension adjustment is overcome, and the overall maintenance efficiency is improved.

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PN - [CN205503005U](#) U 20160824

PR - CN20162265507U 20160401

AP - CN20162265507U 20160401

DT - I

PA - LANZHOU LS GROUP CO LTD

TI - Turntable independent drive device

AB - The utility model belongs to oil drilling facilities equipment field discloses a turntable independent drive device, and it includes **motor**, gearbox, and the gearbox is connected with the carousel through the second shaft coupling, the drive end of **motor** is connected with the **brake disc** through the flange, and the **brake disc** is connected with the gearbox through first shaft coupling, and the braking pincers are installed to one side of **brake disc**. The utility model discloses a disk **brake** replaces traditional pneumatic tyre formula clutch **brake**, and the response of **brake** process is faster, and the **rig** operation is safer, **brake disc** and the position of braking **clamper** between **motor** and gearbox, workman's operating space is big, uses and maintains the convenience, two shaft coupling length of gearbox both sides are the same, adopt the same model, are convenient for prepare maintenance and repair parts and change.

8/16 © EPODOC / EPO

PN - [CN204771360U](#) U 20151118

PR - CN20152523294U 20150720

AP - CN20152523294U 20150720

DT - I

PA - GONGYI LIFENG ELECTROMECHANICAL TECHNOLOGY CO LTD DYNAMO ELECTRIC

TI - Motorcycle **brake** block edge knurling machine

AB - The utility model belongs to motorcycle **brake disc** processing equipment field, concretely relates to motorcycle **brake** block edge knurling machine, including the operation panel, be provided with gear **motor** on the operation panel, with the knurled wheel that the gear **motor** pivot is connected, the pivot end -to -end connection of knurled wheel has the driving gear, set up the work piece fixed station on the operation panel, the work piece fixed station corresponds the setting with the knurled wheel, and the behaviour under work piece fixed station and the knurled wheel does the **bench** and is provided with the rectangle breach, and the behaviour of rectangle breach below does and sets up the article storehouse of achieving success under the platform, be provided with the frock fixture on the work piece fixed station, the one end and the

cylinder head of frock fixture correspond, and the other end fixedly connected with driven gear of frock fixture connects through the gear train between driving gear and the driven gear, and the frock fixture are connected through two bearings with the work piece fixed station, are provided with the inductor on two bearings. The utility model discloses simple structure, implement conveniently, the work piece fixed station adopts the inductor, and the inductor more coordinates with control system, has realized the safety protection of workman when **clamping** generation processing part, has of great significance, workman's the work efficiency of automatic interlock control also the improvement greatly simultaneously to the production safety.

9/16 © EPODOC / EPO

- PN - [CN104408988](#) A 20150311
- PNFP - CN104408988B B 20170725
- PR - CN201410605924 20141103
- AP - CN201410605924 20141103
- DT - I
- CT - || STSE (A)
[KR20000001564](#) A 20000115 [A] (SAMSUNG ELECTRONICS CO LTD [KR])
 [A] 1-3
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[JPH10287396](#) A 19981027 [A] (HONDA MOTOR CO LTD)
 [A] 1-3
 * 全文 *;
[CN101916519](#) A 20101215 [A] (HUNAN CSR TIMES ELECTRIC AUTOMOBILE CO LTD)
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[CN102795216](#) A 20121128 [A] (ZHEJIANG ASIA PACIFIC MECHANICAL & ELECTRONIC CO LTD)
 [A] 1-3
 * 全文 *;
[CN202816249U](#) U 20130320 [A] (ZIBO VOCATIONAL INST)
 [A] 1-3
 * 全文 *;
[CN204116054U](#) U 20150121 [E] (CHONGQING COLLEGE ELECT ENG)
 [E] 1
 * 说明书[0015]-[0016],附图1 *;
[KR19980021904U](#) U 19980715 [A]
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 * 全文 *;
[CN201442578U](#) U 20100428 [Y] (ZAOZHUANG GAOSHENG INDUSTRY CO LTD)
 [Y] 1
 * 说明书[0017]段,附图1 *;
[KR19980021904U](#) U 19980715 [A]
 [A] 1-3
 * 全文 *
- CTNP - || STSE (A)
 [A] - 梅宗信 等, "“液压制动主缸带真空助力器总成性能试验装置探讨”", 《机床与液压》
 [A] 1-3
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 [A] - 李滢泽 等, "“新型振动能量主缸助力式汽车液压制动系统研究”", 《机械设计与制造》
 [A] 1-3
 * 全文 *
 [] - “液压制动主缸带真空助力器总成性能试验装置探讨”;梅宗信 等;《机床与液压》;
 20130131(第1期);全文
 [] - “新型振动能量主缸助力式汽车液压制动系统研究”;李滢泽 等;《机械设计与制造》;
 20130228(第2期);全文
 [Y] - 王汝成, "“轿车制动系统结构分析与设计计算研究”", 《中国优秀硕士学位论文全文数据库 工程科技II辑》
 [Y] 1
 * 第7-18页 *
- CNOI - (A)
[G09B9/04](#)

PA - (A)
HENAN VOCATIONAL AND TECHNICAL COLLEGE OF COMM

TI - (A)
Stereo visual teaching platform based on automobile **brake** system assembly

AB - (A)
The invention discloses a stereo visual teaching platform based on an automobile **brake** system assembly. The stereo visual teaching platform comprises an integral support formed by a foundation, a front support, a back support and a control **bench** support, wherein the front support is equipped with a **brake disc**, the back support is equipped with a drum type **brake**, the control **bench** support is equipped with a vacuum booster and a liquid storage tank, the liquid storage tank is communicated with a **brake** main cylinder, the control **bench** support is equipped with a vacuum pump **motor**, the vacuum booster is connected with a vacuum booster push rod, a front end of the vacuum booster push rod is respectively connected with a clutch pedal and a **brake** pedal, a back end of the vacuum booster push rod is connected with the **brake** main cylinder, and an output end of a **brake** oil cylinder is communicated with an oil inlet of a **brake clamp** body mounted at the **brake disc**. The stereo visual teaching platform has properties of strong pertinence, strong applicability, convenient use, relatively low cost and non-expensive maintenance cost and is especially suitable for professional teaching of colleges.

10/16 © EPODOC / EPO

PN - [CN202661273U](#) U 20130109

PR - CN20122306503U 20120628

AP - CN20122306503U 20120628

DT - I

PA - UNIV CHINA MINING

TI - Simulation braking **bench** of automobile **disc brake**

AB - The utility model discloses a simulation braking **bench** of an automobile **disc brake** and belongs to the technical field of automobile testing. A frequency converter is connected with a frequency conversion **motor**, the frequency converter is connected with a torque and rotation speed sensor through an elastic pin coupler, two spindles are fixed on a middle rack through four bearing bases, the spindles are connected with the torque and rotation speed sensor through the elastic pin coupler, and the two spindles are connected together through the elastic pin coupler, fly wheels are arranged on the spindles, and a slipping toothed electromagnetic clutch is arranged between each fly wheel and the corresponding spindle. A braking system is an automobile control system real object, fixed on a right rack through a support and connected with the spindles through couplings. An air cross-ventilation device is arranged beside a braking **disc**, an eddy current vibration measuring sensor is installed on a braking **caliper**, a thermal imager and an acoustic meter are placed nearby the braking **caliper**, and a positive pressure sensor is embedded in a braking sheet. The simulation braking **bench** can simulate working of the braking system authentically, so that the whole simulation progress approaches the rear condition, and the detection data are reliable.

11/16 © EPODOC / EPO

PN - [CN202533250U](#) U 20121114

PR - CN20122146078U 20120401

AP - CN20122146078U 20120401

DT - I

PA - ZHEJIANG WANDA STEERING GEAR CO LTD

TI - Life test **bench** for electric power steering system

AB - The present utility model discloses a life test **bench** for an electric power steering system. The **bench** comprises a T-shaped groove working platform, a magnetic powder **brake**, a flexible shaft coupling, a rotary fixing **disc**, a stand column, a leading screw shaft, an industrial control computer and other parts, the life test **bench** is characterized in that the magnetic powder **brake** and the stand column are respectively arranged on the T-shaped groove working platform through a magnetic powder **brake** and a fixing bolt; one end of the flexible shaft coupling is connected with the magnetic powder **brake**, the other end is provided with a torsional force sensor; the rotary

fixing **disc** is installed on a guide rail of the stand column through the leading screw shaft, and the rotary fixing **disc** is provided with a decelerator, a servo **motor** and a special-purpose fixing **clamp**. The test **bench** is novel in structure and strong in versatility, the test **bench** can be used in torsion life tests and rotation life tests, and the life test tool for the automobile electric power steering system is ideal and complete in functions.

12/16 © EPODOC / EPO

- PN - [CN102749205](#) A 20121024
- PR - CN20121216738 20120628
- AP - CN20121216738 20120628
- DT - I
- CT - || STSE (A)
[CN102353528](#) A 20120215 [A] (UNIV CHINA MINING)
 [A] 1-2
 全文
[CN202661273U](#) U 20130109 [R] (UNIV CHINA MINING)
 [R] 1-2
 权利要求1-2
[JP2010145189](#) A 20100701 [A] (AKEBONO BRAKE IND)
 [A] 1-2
 全文
[CN101303272](#) A 20081112 [A] (UNIV CHONGQING [CN])
 [A] 1-2
 全文
[CN1945255](#) A 20070411 [Y] (UNIV WUHAN SCIENCE & ENG [CN])
 [Y] 1-2
 说明书第1页第4段至第4页最后1段及图1-5
[CN101476985](#) A 20090708 [A] (UNIV LUDONG [CN])
 [A] 1-2
 全文
- CTNP - || STSE (A)
 [] 谷曼,
 "汽车制动器试验台测温方法的研究", <<中国优秀硕士学位论文全文数据库工程科技II辑>>, (20081115), no. 11
- PA - UNIV CHINA MINING
- TI - Simulation braking **bench** for automobile **disc brake**
- AB - The invention discloses a simulation braking **bench** for an automobile **disc brake**, which belongs to the technical field of vehicle testing. A frequency converter is connected with a frequency conversion **motor**, the frequency conversion **motor** is connected with a torque and speed sensor through an elastic pin coupling, two spindles are fixed on a middle rack through four bearing blocks, the spindles and the torque and speed sensor, as well as the two spindles are connected with each other through elastic pin couplings, flywheels are arranged on the spindles, a slipping toothed electromagnetic clutch is arranged between each flywheel and the spindle, a **brake** system which is a real automobile **brake** system is fixed on a right rack through a support and connected with the spindles through couplings, an air convection device is arranged close to a **brake disc**, an eddy current vibration measuring sensor is installed on a pair of **brake calipers**, a thermal imager and a noise meter are placed close to the pair of **brake calipers**, and a positive pressure sensor is embedded in a **brake** shoe in advance. The simulation braking **bench** can truly simulate the work of the **brake** system to enable the whole simulation process to be more close to the real situation with reliable detection data.

13/16 © EPODOC / EPO

- PN - [CN202296943U](#) U 20120704
- PR - CN20112407691U 20111024
- AP - CN20112407691U 20111024
- DT - I
- PA - CHINA PETROLEUM & CHEMICAL; DRILLING TECH ACAD SINOPEC SHE
- TI - Oil workover **rig** power-driven winch assembly

AB - The utility model relates to an oil workover **rig** power-driven winch assembly, which comprises a **motor**, a coupler, a reduction gearbox, a clutch, a roller and a disk type **brake**, wherein an output shaft of the **motor** is connected with an input shaft of the reduction gearbox through the coupler; an output shaft of the reduction gearbox is connected with a shaft of the roller through a spline; and the disk type **brake** is formed by a **brake disc** and a **brake caliper**. The oil workover **rig** power-driven winch assembly has the advantages of simple and reliable transmission system, high transmission efficiency, wide constant-power speed adjustable range of a two-speed variable-frequency and variable-speed **motor**, small noise of the power-driven winch, no waste gas pollution, small maintenance load, low cost, accuracy and reliability of the disk type **brake**, easiness in realization of remote control and automatic control, and the like. The oil workover **rig** power-driven winch assembly can be applied to the field of electric drilling machines and workover **rig** winches.

14/16 © EPODOC / EPO

PN - [CN202249751U](#) U 20120530
 PR - CN20112312365U 20110825
 AP - CN20112312365U 20110825
 DT - I
 PA - SHANDONG KERUI MACHINERY MFG CO LTD; SHANDONG KERUI PETROLEUM EQUIPMENT CO LTD
 TI - Dual drive rotary table device used for oil drilling **rig**
 AB - The utility model relates to a dual drive rotary table device used for an oil drilling **rig**, which includes a rotary table, a shaft coupling, a gear compound box as well as a first **motor** and a second **motor**, wherein a first input shaft of the gear compound box is connected with an output shaft of the first **motor**, a second input shaft of the gear compound box is connected with a second output shaft of the second **motor**, and an output shaft of the gear compound box is connected with a power input terminal of the rotary table through the shaft coupling; and a pneumatic **caliper disc brake** is mounted on an output shaft of the first **motor**. Compared with the prior art, the dual drive rotary table device has the advantages of simple structure, high transmission efficiency, strong driving force, small space structural dimension, low cost and the like.

15/16 © EPODOC / EPO

PN - [CN101776499A](#) 20100714
 PR - CN20091256420 20091225
 AP - CN20091256420 20091225
 DT - I
 PA - UNIV SHANDONG JIAOTONG
 TI - Roller assembly with six-component sensor
 AB - The invention discloses a roller assembly with a six-component sensor, which comprises a central shaft, a **brake** fixing bracket, a braking **disc**, a floating **caliper** type **brake**, a roller, a six-component sensor, a revolutionotary speed sensor, a code **disc** and an outer rotor **motor**, wherein the six-component sensor can be used for measuring tangential force, axial force, vertical force, rotary moment, moment resulting from sidesway and yawing moment acting on the roller. The invention provides a further comprehensive measuring means for automobile indoor **bench** tests and experiments, and has the advantages of simple and compact structure, installing space saving, cost saving and the like.

16/16 © EPODOC / EPO

PN - [CN201448052U](#) U 20100505
 PR - CN2009246108U 20090531
 AP - CN2009246108U 20090531
 DT - I
 PA - WUXI ZUANTONG ENGINEERING MACHINERY CO LTD
 TI - Anti back-dragging rebounding system for non-excavation pipe-laying drilling **rig**
 AB - The utility model relates to an anti back-dragging rebounding system for a non-

excavation pipe-laying drilling **rig**. The anti back-dragging rebounding system comprises a closed type pump and a hydraulic feeding **motor**, wherein the closed type pump is controlled through an electric pump control handle. The anti back-dragging rebounding system is characterized in that a **brake** cylinder is installed on the hydraulic feeding **motor**, a **brake disc** matched with the main shaft for braking is fixedly connected at the outer end of the cylinder rod of the **brake** cylinder, the **brake** cylinder is divided into a rod cavity and a rodless cavity by the cylinder rod, a spring is installed in the rodless cavity, the rod cavity is communicated with an oil tank through a braking solenoid valve, and a communicating solenoid valve is connected in parallel between the opening A and the opening B of the hydraulic feeding **motor**. When the hydraulic **motor** is stopped, the **brake** cylinder and the braking solenoid valve restrain the reverse rotation of the **motor**, cancel out the rebounding force, and ensure accurate **clamping**; the braking solenoid valve only takes effect in the elastic pipe state, thereby prolonging the service life of the **brake disc**; when the hydraulic **motor** rotates reversely under the effect of back pulling force, the opening A and the opening B thereof are communicated through the communicating solenoid valve, to protect the hydraulic **motor** from being damaged.