

Search history

Search PN=(WO201446372) (Results 1)

1:

Search [SP]: automatic solution sprayer and portable agricultural chemical spraying apparatus comprising same pulverisateur de solution automatique et appareil de pulvérisation de produit chimique agricole portable associé disclosed are an automatic solution sprayer and a portable agricultural chemical spraying apparatus comprising the same. the agricultural chemical is discharged from a storage tank by means of a pump driven by a motor, which motor is supplied with electric power by a battery pack through a pulse width modulation controller. a switching unit is employed to selectively drive the motor according to the external working environment so as to save the battery power when the agricultural chemical is not being discharged. the pump, power source unit and switching unit are mounted inside a cylindrical housing through which a spraying unit is arranged so as to connect to the pump. thus an automatic agricultural chemical spraying apparatus is formed with reduced power consumption and easy maintenance regardless of the shape and structure of the storage tank. l'invention concerne un pulverisateur de solution automatique et un appareil de pulvérisation de produit chimique agricole portable associé. le produit chimique agricole est déversé à partir d'un réservoir de stockage au moyen d'une pompe entraînée par un moteur, lequel moteur est alimenté avec une puissance électrique par un bloc de batterie grâce à un contrôleur de modulation de largeur d'impulsion. une unité de commutation est employée pour entraîner sélectivement le moteur selon l'environnement de travail externe de manière à sauvegarder la puissance de la batterie lorsque le produit chimique agricole n'est pas déversé. la pompe, l'unité de source de puissance et l'unité de commutation sont montées à l'intérieur d'un boîtier cylindrique à travers lequel une unité de pulvérisation est agencée de manière à se raccorder à la pompe. ainsi un appareil de pulvérisation de produit chimique agricole automatique est formé avec une puissance consommée réduite et une maintenance facile indépendamment de la forme et de la structure du réservoir de stockage.

(Results 0)

Search fn=(52998173) (Results 1)

3:

Search fn=(52998173) (Results 1)

4:

Search fn=(62436729 or 68009013 or 73788150 or 48982274 or 8243761 or 47816820 or 47816820 or 48341324) (Results 7)

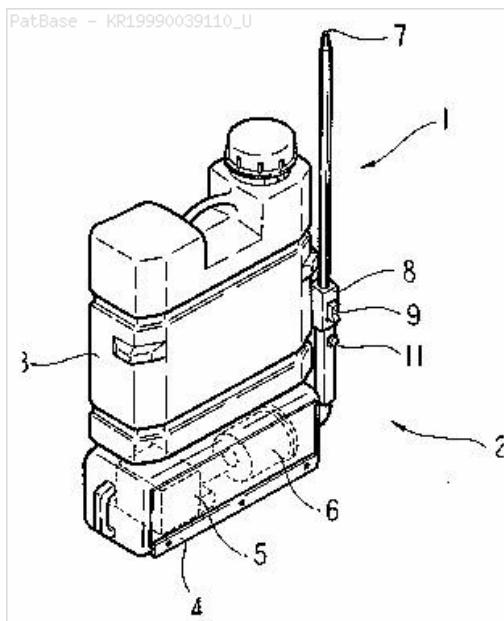
5:

1) Family number: 47816820 (KR19990039110U)

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Title: The injector spray device. (Machine translation)

Abstract: Source: KR19990039110U **Machine translation:** The subject innovation is written to fire the disinfectant action, such as pesticide and cleaning installed on the spraying device to the outside through the drug or the like, making it easy to use when more than simple so that by the operation of the spray device, or relates to the injector is provided inside the power box is operatively connected with the battery operation switch for controlling the operation of the pump and the injector for controlling the contents to be injected from the injection of a check valve is installed in the handle, or by the contents that is received in the interior of the handle during injection of the actuation switch is installed by the user in the state holding the injector to control the operation of the pump is easily and the control of the power supply block and the like, the work easily made contents to be injected from the injector that is installed on the handle check valve while easily controlled by using the convenience of using it will help to provide even higher.

Classifications:**International (IPC 8-9):** B05B1/00 (Advanced/Non-invention)**International (IPC 1-7):** B05B1/00**Family:**

Publication number	Publication date	Application number	Application date
KR19990039110 U	19991105	KR19980005223U	19980406

Priority:

KR19980005223U 19980406

Probable Assignee:

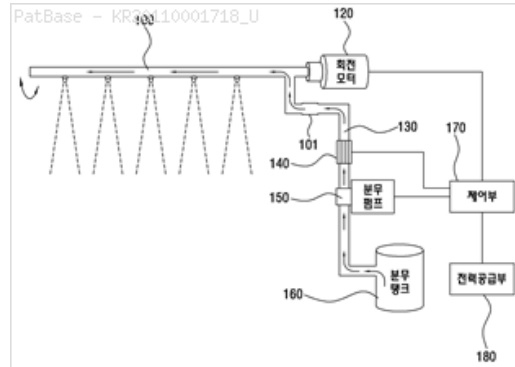
YISEONGYEOL

2) Family number: 48341324 (KR20110001718U)

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Title: A ROTARY SPRAY APPARATUS FOR VINYL HOUSE**Abstract:** Source: KR20110001718U

Machine translation: The idea which it sees with the fact that regarding a vinyl house rotation room my system, to under upper three is fixed more in the horizontal frame of the vinyl house, in compliance with the rotary motor the spray nozzle which is had all in the rotary pipe which rotates it leads and in order to spray with automatic, from the spraying tank the feed pipe which supplies the medicine which is supplied, the minute description feed pipe is connected the insecticide of the agricultural chemical back in the vinyl house whole, the rotary motor is connected once and reciprocating motion from inside smallness just angle the rotary pipe which sprays the medicine which the spray nozzle of the condensed water, about under the stall manure is supplied and the minute description rotary pipe the horizontal frame of the vinyl houseIt includes the fixation body which it fixes.

Classifications:**International (IPC 8-9):** A01G9/24 A01M7/00 (Advanced/Invention)**CPC:** Y02A40/27 A01G9/247 A01G25/026 A01M7/0028 B05B1/1645**Family:**

Publication number	Publication date	Application number	Application date
KR20110001718 U	20110221	KR20090010538U	20090813

Priority:

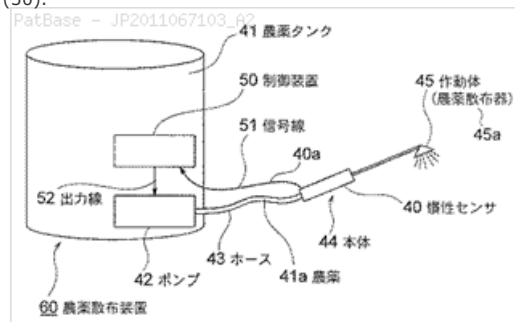
KR20090010538U 20090813

3) Family number: 48982274 (JP2011067103A)

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Title: DEVICE AND METHOD FOR CONTROLLING AGRICULTURAL IMPLEMENT

Abstract: PROBLEM TO BE SOLVED: To control the amount of agrochemical applied or the rotational speed of a blade edge in response to a swing speed of an agrochemical applicator and an agricultural brush cutter. SOLUTION: The device and the method for controlling an agricultural instrument include measuring the swing speed of rightward and leftward movement of a body (44) having an operating member (45) at the end by an inertial sensor (40), and controlling the operating state of the operating member (45) according to the swing speed by a controller (50).

Classifications:**International (IPC 8-9):** A01D34/68 A01D34/76 A01M7/00 (Advanced/Invention)**Family:**

Publication number	Publication date	Application number	Application date
JP2011067103 A2	20110407	JP20090218934	20090924

Priority:

JP20090218934 20090924

Probable Assignee:

TAMAGAWA SEIKI CO LTD

Assignee(s): (std):

TAMAGAWA SEIKI CO LTD

Inventor(s): (std):

YASUI KOJI

Agent(s):

SOGA MICHIHARU

4) Family number: 62436729 (CN105594679A)

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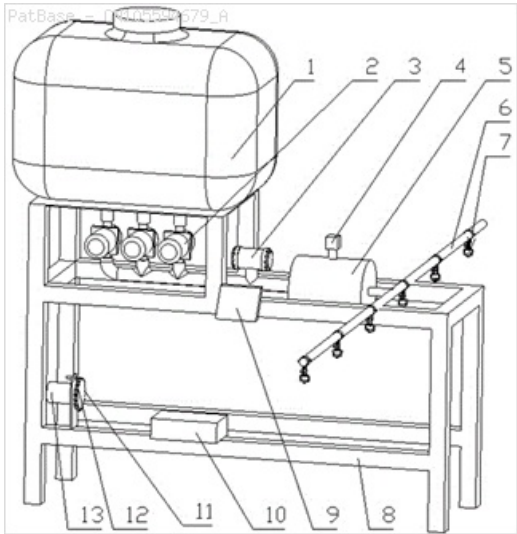
Title: PRECISE VARIABLE MIST-SPRAYING TEST DEVICE BASED ON OR INCLUDING ELECTRIC PUMP ROTATING SPEED REGULATION

Abstract: The invention provides a precise variable mist-spraying test device based on or including electric pump rotating speed regulation. By means of the test device, cost of a variable mist-spraying device can be effectively lowered, quality of variable mist spraying operation can be improved, and application of precise variable mist spraying to practical production is promoted. The test device comprises a mist-spraying parameter acquisition device, an operating velocity simulator, a mist spraying structure, a display device and a controller; the operating velocity simulator comprises a velocity sensor; the mist spraying structure comprises a liquid chemical box, electric pumps, a pressure tank and a chemical conveying pipe which are sequentially connected, and more than one spray nozzles are arranged on the chemical conveying pipe; the mist-spraying parameter acquisition device comprises a flow sensor arranged at an inlet of the pressure tank and a pressure sensor mounted on the pressure tank; the controller is connected with the display device, the flow sensor, the pressure sensor and the velocity sensor.

Classifications:

International (IPC 8-9): A01M7/00 (Advanced/Invention)

CPC: A01M7/0042 A01M7/0089



Family:

Publication number	Publication date	Application number	Application date
CN105594679 A	20160525	CN201610100536	20160224
CN105594679 B	20180925	CN201610100536	20160224

Priority:

CN201610100536 20160224

Probable Assignee: SHANDONG ACADEMY AGRICULTURAL MACHINERY SCIENCES

Assignee(s): (std): SHANDONG ACAD OF AGRICULTURAL MACHINERY SCIENCES ; SHANDONG ACADEMY AGRICULTURAL MACHINERY SCIENCES

Assignee(s): SHANDONG ACADEMY OF AGRICULTURAL MACHINERY SCIENCES ; SHANDONG INST OF AGRICULTURAL MACHINERY

Inventor(s): (std): CHEN GANG ; LI QINGLONG ; SHEN JINGXIN ; SUN YITIAN ; SUN YONGJIA

5) Family number: 68009013 (KR101812063B) © PatBase

Title: PORTABLE SPRAYING APPARATUS WITH TRACTOR

Abstract: The present invention relates to a portable spray device. The portable spray device includes: a spray container storing a spraying solution therein; and a control device which is arranged on the lower part of the spray container and controls a pump motor to spray the spraying solution. The control device includes: the pump motor; a central processing unit (CPU) which is connected to the pump motor and controls the pump motor in accordance with input signals from a spraying amount adjuster and ON-TIME and OFF-TIME volumes (VR2, VR3); and a portable spray battery which is controlled by the CPU to supply power to the pump motor when being selected by an automatic battery switching unit. The pump motor includes an outlet for pumping and discharging the spraying solution delivered through an external or internal line and delivers the spraying solution to a spray nozzle by using a supply hose connected to the outlet, thereby spraying the spraying solution from the nozzle. The portable spray device can be easily loaded on a dedicated tractor, spray herbicides while rotating, and execute the spraying and rotating operations without being installed in an outside environment in a separate manner.

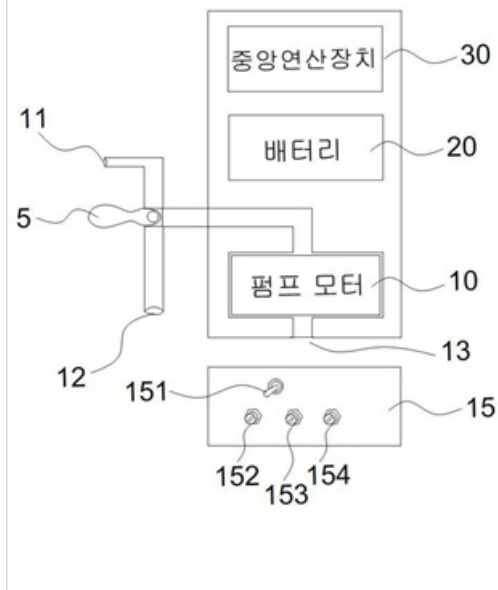
Classifications:

International (IPC 8-9): A01M7/00 B05B12/02 B05B13/00

B05B9/08 (Advanced/Invention)

CPC: A01M7/0089 A01M7/0017 A01M7/0042 B05B12/02 B05B13/005

B05B9/0403 B05B9/085

**Family:**

Publication number	Publication date	Application number	Application date
KR101812063 B1	20171228	KR20170058976	20170512

Priority:

KR20170058976 20170512

Probable Assignee:

SEO MAN SIK

Assignee(s): (std):

SEO MAN SIK

Inventor(s): (std):

SEO MAN SIK

6) Family number: 73788150 (RU2683232C)

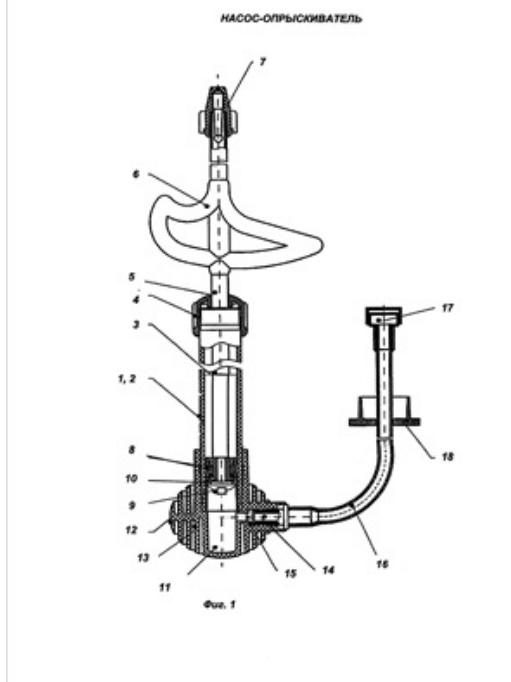
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Title: PUMP-SPRAYER

Abstract: FIELD: agriculture. SUBSTANCE: invention relates to devices for chemical protection of plants. Pump-sprayer includes housing. Housing is made in the form of cylinder with open ends. Hollow rod is arranged in the housing. Cuff is fixed on the rod inner end. Pump-sprayer comprises suction valve and pressure valve. Suction valve is connected with hose and intake filtering unit. Pressure valve is located in the lower part of the hollow stock. Cuff on the rod is made of two cone-shaped parts. Parts of the cuff are directed in opposite directions and are connected by a narrow middle part. Narrow middle part is secured at hollow rod inner end. Extended upper part of the cuff is directed into inner part of the cylinder towards the outer end of the rod. Lower part is directed towards the lower end of the cylinder. Edges of extended upper and lower parts of cuff are made with collar. On the beads radial roundings are made. Cuff is fixed on the hollow stock by the third conical bead by means of the cap. Said cap has connecting and convex ends. Pressure valve is installed inside the cap. EFFECT: ensuring cuff skewing and jamming; reduced hydraulic resistance of suction valve. 5 cl, 6 dwg

Classifications:**International (IPC 8-9):** A01M7/00 (Advanced/Invention)**CPC:** A01M7/00

PatBase - RU2683232_C1



Family:

Publication number	Publication date	Application number	Application date
RU2683232 C1	20190326	RU20180122167	20180614

Priority:

RU20180122167 20180614

Probable Assignee: LEBEDEV ALEKSANDR PAVLOVICH

Assignee(s): LEBEDEV ALEKSANDR PAVLOVICH ; LEBEDEV GEORGIJ ALEKSEEVICH

Inventor(s): LEBEDEV ALEKSANDR PAVLOVICH ; LEBEDEV GEORGIJ ALEKSEEVICH

Agent(s): ZAMETALINOJ NINE PETROVNE

7) Family number: 8243761 (JP4330242A)

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Title: CHEMICAL-SPRAYING ROBOT

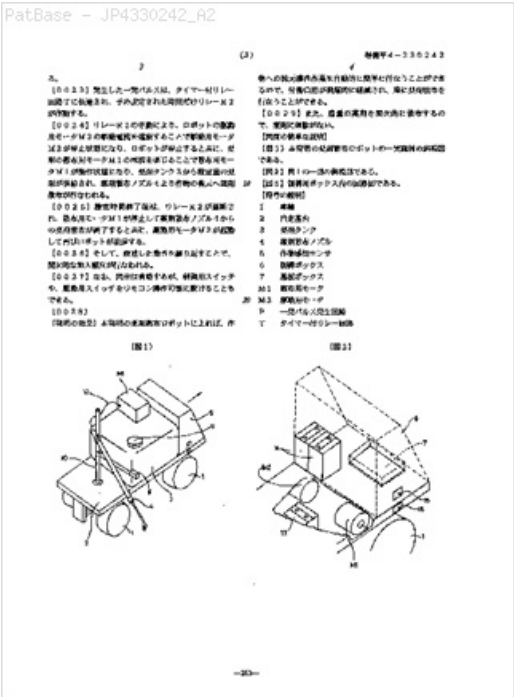
Abstract: PURPOSE: To obtain the title robot capable of automatically and simply carrying out operation of drenching plant foot of a crop and applying drug without wasting thereof, having a specific constitution. CONSTITUTION: A self-propelled base 2 provided with a chemical tank 3, a chemical-spraying nozzle 4 and a crop perceiving sensor 5 is equipped with a single pulse generating circuit and a relay circuit with a timer. When the crop perceiving sensor 5 detects a crop, single pulse is generated from the single pulse generating circuit, the relay circuit with a timer is started by the single pulse, self traveling is stopped according to a set time, a chemical is applied from the chemical spraying nozzle 4, self-traveling is repeated and the chemical is intermittently applied.

Classifications:

International (IPC 8-9): A01M7/00 B25J5/00 (Advanced/Invention);

A01M7/00 B25J5/00 (Core/Invention)

International (IPC 1-7): A01M7/00 B25J5/00



Family:

Publication number	Publication date	Application number	Application date
JP2887766 B2	19990426	JP19910036633	19910207
JP4330242 A2	19921118	JP19910036633	19910207

Priority:

JP19910036633 19910207

Probable Assignee: NIPPON TABAKO SANGYO KK

Assignee(s): (std): JAPAN TOBACCO INC ; NIPPON TOBACCO SANGYO

Assignee(s): NIPPON TABAKO SANGYO KK

Inventor(s): (std): MIYAKE YASUHIKO ; HATTORI NOBUYOSHI

Inventor(s): HATSUTORI NOBUYOSHI ; MYAKE YASUHIKO