

20 Documents

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CN87206992U U	Multifunctional electric soldering iron	SUN WANZENG
CN108237288 A	Energy-saving anti-scalding electric soldering iron	FOSHAN CITY SHUNDE DISTRICT CHENCUN VOCATIONAL TECHNICAL SCHOOL
CN108723543 A	Wireless electric soldering iron	RUGAO HUIJIN ELECTRONIC TECHNOLOGY
CN201702485U U	Electric soldering iron	BIOCHEMICAL ENGINEERING COLLEGE OF BEIJING UNION UNIVERSITY
CN201095021U Y	Hand held automatic extension tin bar electric soldering iron	ZHOU ZHIJUN
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CN206455260U U	Semi -automatic flatiron soldering tin machine equipment	SHAOXING SHANGGE COMMUNICATION TECHNOLOGY
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CN2077342U U	Pen-type energy-saving electric iron	Pan Zelin
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CN107175835 A	Simple mechanical thermoplastic composite material welding device	CIVIL AVIATION UNIVERSITY OF CHINA
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CN207448269U U	Electric elements tears open and pulls out tweezers	YIN XIAOFENG
CN103394785 A	Handheld solder-adding tool for welding heads of welder	TIANWEI NEW ENERGY

Publication numbers

Title

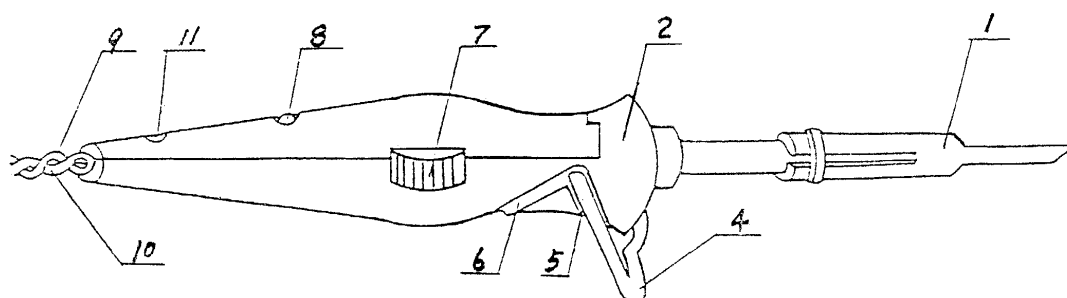
Current assignees

HOLDINGS

Family 1/20 - FAMPAT - ©Questel

Title

(CN87206992U)

Multifunctional electric **soldering iron****Images****Publication numbers with kind code & date**

CN87206992	Y	1988-10-05	CN87206992U
CN87206992	U	1987-12-30	CN87206992U

**Abstract**

(CN87206992)

The utility model discloses a multifunctional electric **soldering iron**. The **handle** of the **soldering iron** is provided with a double-pole converting switch, and is provided with a circuit concatenated with a rectifying diode and a **soldering iron** core through a double-pole converting switch. The low temperature, high temperature and switching off of the electric **iron** can be controlled through the double-pole converting switch. As required, a red green LED can be connected in the circuit, light showing the three states above, convenient and direct viewing. The anterior part of the **soldering iron handle** is provided with a **retractable** support frame, practical and beautiful.

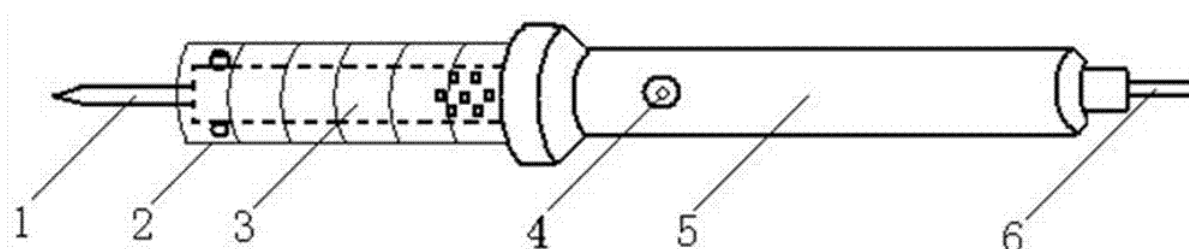
Inventors

SUN WANZENG

Family 2/20 - FAMPAT - ©Questel

Title

(CN108237288)

Energy-saving anti-scalding electric **soldering iron****Images****Publication numbers with kind code & date**

CN108237288

A

2018-07-03

CN108237288

**Abstract**

(CN108237288)

The invention provides an energy-saving anti-scalding electric **soldering iron**. The energy-saving anti-scalding electric **soldering iron** comprises an electric **soldering iron** head, a telescopic heat insulation cover, a heater, a power indicating lamp, an electric **soldering iron handle** and a power line, and is characterized in that the telescopic heat insulation cover is arranged at the front end of the electric **soldering iron handle**, the rear end of the heat insulation cover is fixed at the front end of the electric **soldering iron handle**, the front end of the heat insulation cover can freely stretch, the heat insulation cover is not in contact with a heater of the electric **iron** head, and the heat insulation cover can cover the whole heater. Compared with an existing electric **soldering iron**, the telescopic heat insulation cover is arranged, so that the probability that people and articles can be ironed can be greatly reduced when the people use the electric **soldering iron**, and the purpose of saving energy is achieved for the constant-temperature electric **soldering iron**.

Inventors

LIN JIANFENG

ZHENG YONGFU

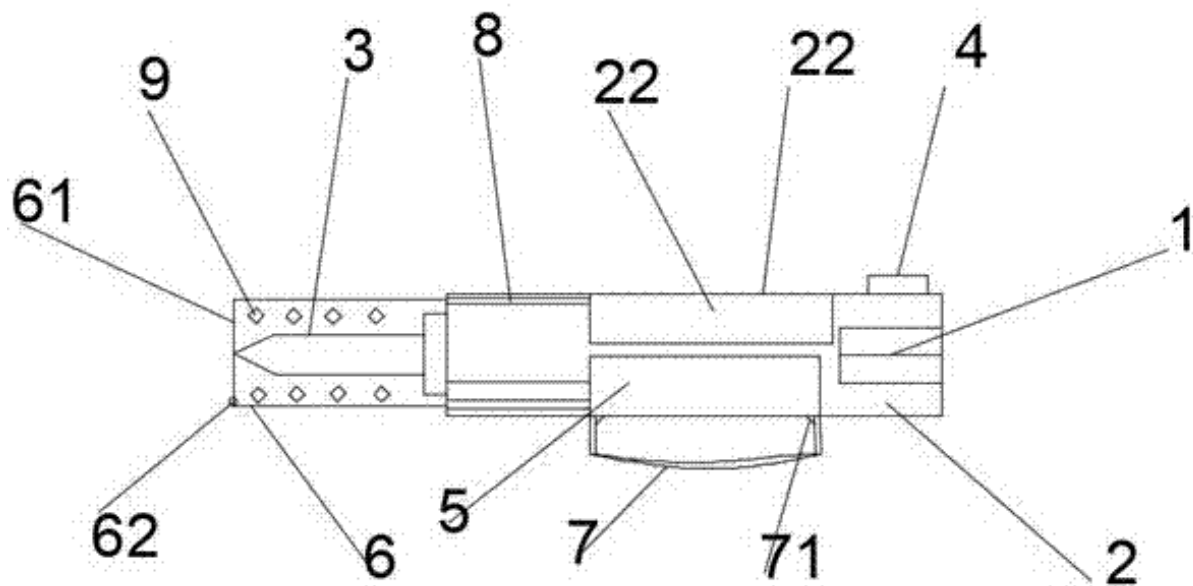
Latest standardized assignees - inventors removed

FOSHAN CITY SHUNDE DISTRICT CHENCUN VOCATIONAL TECHNICAL SCHOOL

Family 3/20 - FAMPAT - ©Questel

Title

(CN108723543)

Wireless electric **soldering iron****Images****Publication numbers with kind code & date**

CN108723543

A

2018-11-02

CN108723543

**Abstract**

(CN108723543)

The invention discloses wireless electric **soldering iron**. The structure comprises a power supply device, a shell body, a **soldering iron** head, a control switch, a heating assembly, a **retractable** protection cover and a lifting **handle**, wherein the power supply device is mounted in the shell body; the **soldering iron** head is mounted at the front end of the shell body; a rectangular hollow region is formed in the upper end of the shell body; a baffle plate is arranged outside the rectangular hollow region; the baffle plate and the shell body are integrally arranged; one end of the heating assembly is connected with the **soldering iron** head; the power supply device is connected with the other end of the heating assembly; the control switch is mounted at the outer side of the shell body; an annular sliding groove is formed in a rear side of a connecting part

of the **soldering iron** head and the shell body; the **retractable** protection cover is mounted in the annular sliding groove; the lifting **handle** is arranged at the lower end of the shell body; a hinge is arranged at a connection part of the lifting **handle** and the shell body. The wireless electric **soldering iron** disclosed by the invention can be used for effectively preventing people from being scalded by the **soldering iron** head, is convenient to carry and is flexible to use.

Inventors

WANG ZIXUAN

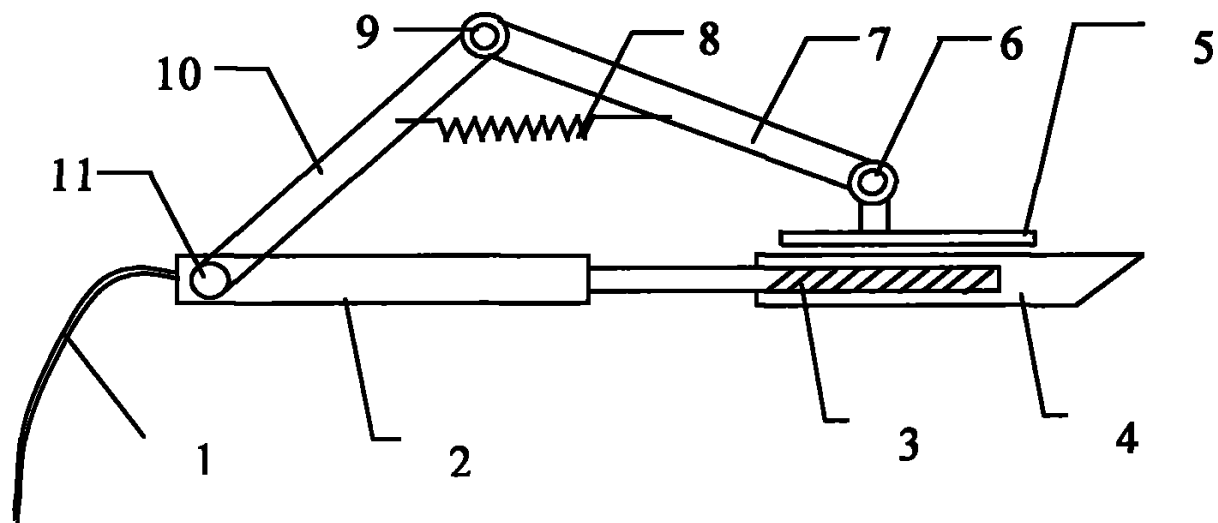
Latest standardized assignees - inventors removed

RUGAO HUIJIN ELECTRONIC TECHNOLOGY

Family 4/20 - FAMPAT - ©Questel

Title

(CN201702485U)

Electric **soldering iron****Images****Publication numbers with kind code & date**

CN201702485

U

2011-01-12

CN201702485U

**Abstract**

(CN201702485)

The utility model relates to an electric **soldering iron**, which is provided with a power cord and a heating bar, wherein the power cord and the heating bar are connected to each other. A **handle** is sleeved on the outer surface of one end of the heating bar connected with the power cord, and a **soldering** bit is wrapped on the outer surface of the other end of the heating bar. The electric **soldering iron** is further provided with a **retractable** clip structure comprising a main connecting rod, an auxiliary connecting rod and a slider, two ends of the main connecting rod are respectively hinged with the **handle** and one end of the auxiliary connecting rod, the other end of the auxiliary connecting rod is hinged with the slider, rod bodies of the main connecting rod and the auxiliary connecting rod are respectively connected with two ends of a spring, the slider is close to the **soldering** bit when the spring is in a natural state, and the spring stretches and retracts so that the slider is driven to move forwards and backwards along the direction of the heating bar by the main connecting rod and the auxiliary connecting rod. The electric **soldering iron** not only can be used for normally **soldering** circuit elements conveniently, but also can be used for easily detaching original damaged parts and waste elements, and further can be used for smoothly welding new electronic elements on the condition that original **soldering** holes are blocked by **soldering** tin.

Inventors

YANG ZHICHENG

Latest standardized assignees - inventors removed

BIOCHEMICAL ENGINEERING COLLEGE OF BEIJING UNION UNIVERSITY

Family 5/20 - FAMPAT - ©Questel

Title

(CN201095021U)

Hand held automatic extension tin bar electric **soldering iron**

Publication numbers with kind code & date

[CN201095021](#) Y 2008-08-06 CN201095021U



Abstract

(CN201095021)

The utility model relates to hand-hold self-expanding tin bar electric **soldering iron** and comprises a **handle**, a **soldering iron** head installed on the **handle** and an expanding device fixed on the **handle** and the **soldering iron** head; wherein, the expanding device consists of a guide rail, a slide block and a bracket; the upper end of the guide rail which is provided with the slide block is movably connected with the **soldering iron** head; a bracket fixing device which is movably connected with the bracket is positioned on the **handle**; the upper end of the bracket is movably connected with the slide block. By adopting the integral structure of the **soldering iron** and the tin bar, the tin bar electric **soldering iron** is convenient in use, low in production cost and is beneficial to improve the welding efficiency and welding quality.

Inventors

ZHOU ZHIJUN

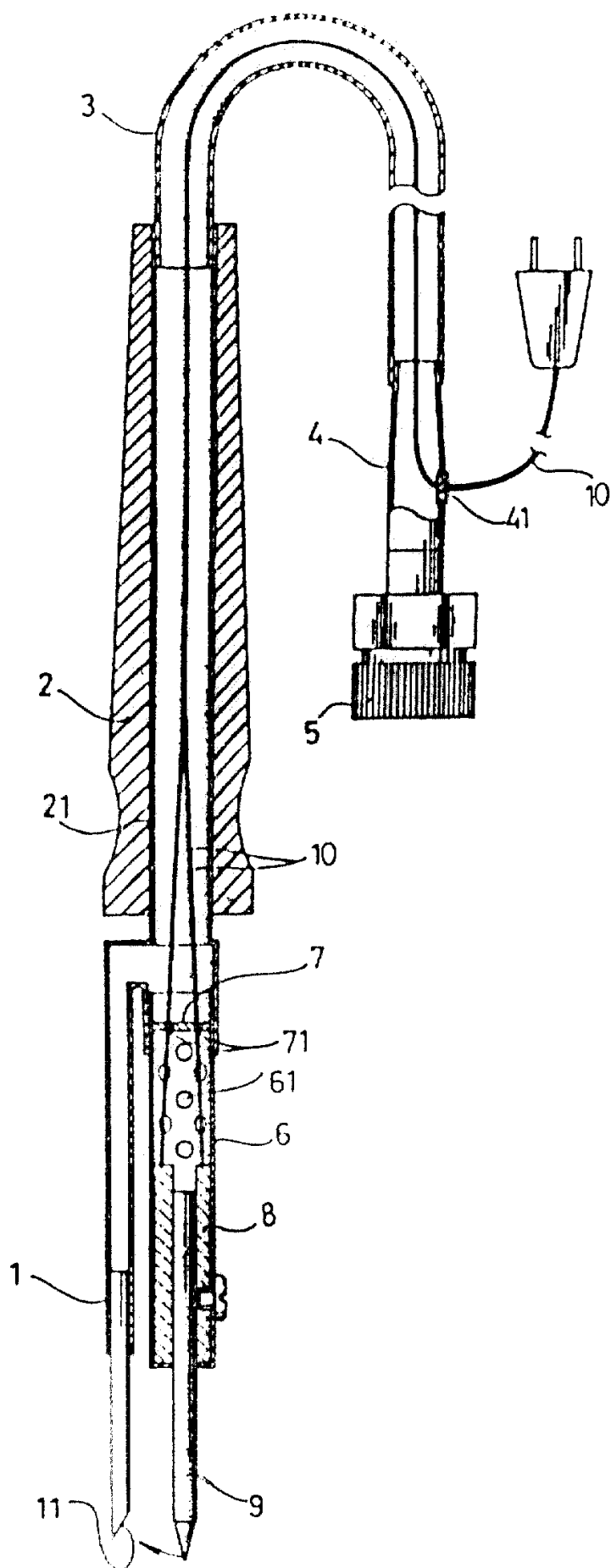
Family 6/20 - FAMPAT - ©Questel

Title

(CN2055760U)

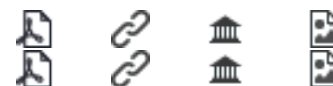
Electric **iron** with ventilating duct

Images



Publication numbers with kind code & date

CN89214119	Y	1991-01-02	CN89214119U
CN2055760	U	1990-04-11	CN2055760U

**Abstract**

(CN2055760)

The utility model discloses an electric **iron** with a ventilating duct, which is characterized in that a **retractable** steel tube is arranged above an **iron** head of the electric **iron** in order to connect with a **handle** inner tube. The back end of the **handle** inner tube is connected with a soft tube, and the end of the soft tube is a joint for inserting on a main blast tube or an exhaust fan. Therefore, the smoke harmful to human body created in **soldering** can be sucked and exhausted out.

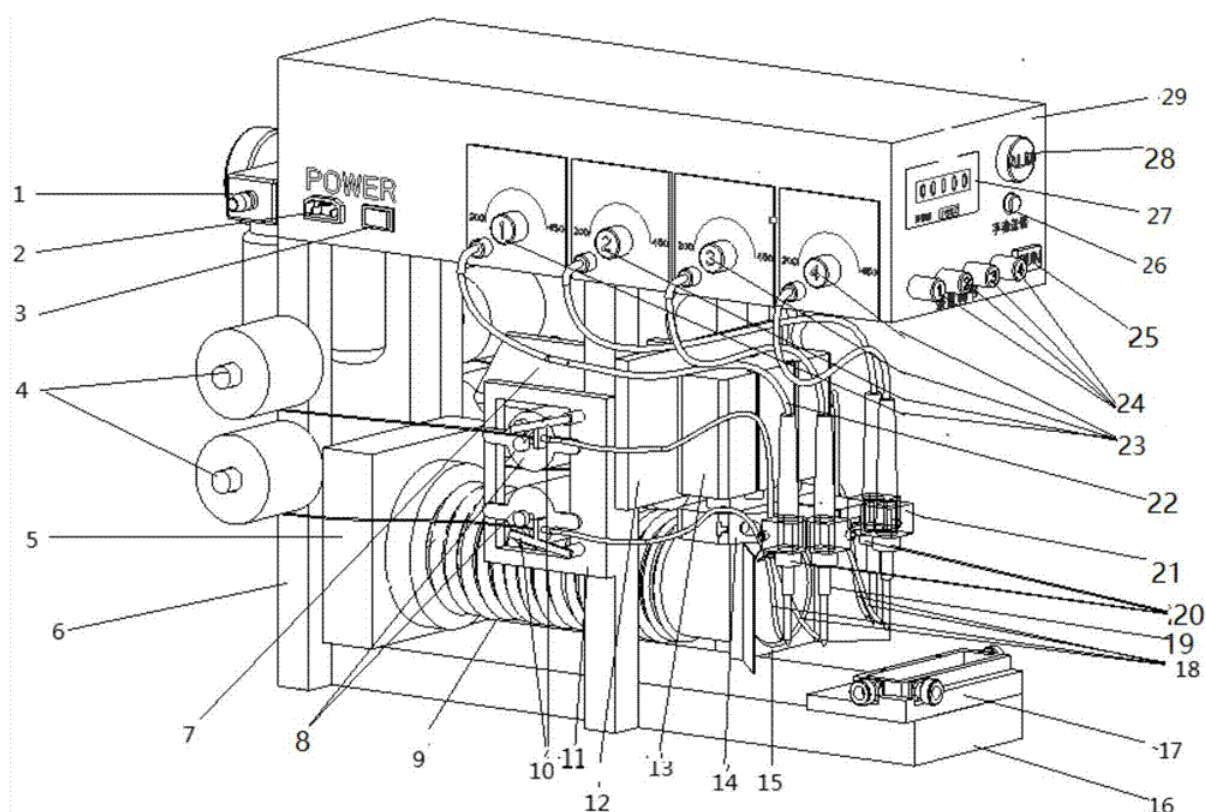
Inventors

WANG QIULIANG

Family 7/20 - FAMPAT - ©Questel

Title

(CN206455260U)

Semi -automatic flatiron **soldering** tin machine equipment**Images****Publication numbers with kind code & date**

CN206455260	U	2017-09-01	CN206455260U
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**Abstract**

(CN206455260)

The utility model provides a semi -automatic flatiron **soldering** tin machine equipment, the on -line screen storage device comprises a base, base backend is equipped with the montant with middle department both sides symmetry, and quick -witted case is established on the montant top, and through hub connection solder wire stores pylon on two montant lateral walls of base backend, base backend establishes smoke extractor fans in the top, and the board is established to department's montant front end in the middle of the hose connection smoke inlet hood of fan front end through contracting, base, the cylinder of seesaw is established to board rear end central part, the axle of the cylinder of seesaw passes the board and is connected to square board, the fixed cylinder that is equipped with the up -and -down motion of square board front end, the platform is laid in the cylinder pivot lower extreme connection of up -and -down motion, lay a front end

bilateral symmetry and establish the **soldering iron handle** alignment jig, **soldering iron handle** is established to **soldering iron handle** alignment jig lower extreme, the **soldering iron**, department's montant outside symmetry is established and is sent tin motor fixed plate in the middle of the base, send tin motor fixed plate inboard to establish and send the tin motor, send the tin motor fixed plate outside to establish solder wire press frame, base front portion top is established the work piece and is placed the mould.

Inventors

ZHAO QIJIE

Latest standardized assignees - inventors removed

SHAOXING SHANGGE COMMUNICATION TECHNOLOGY

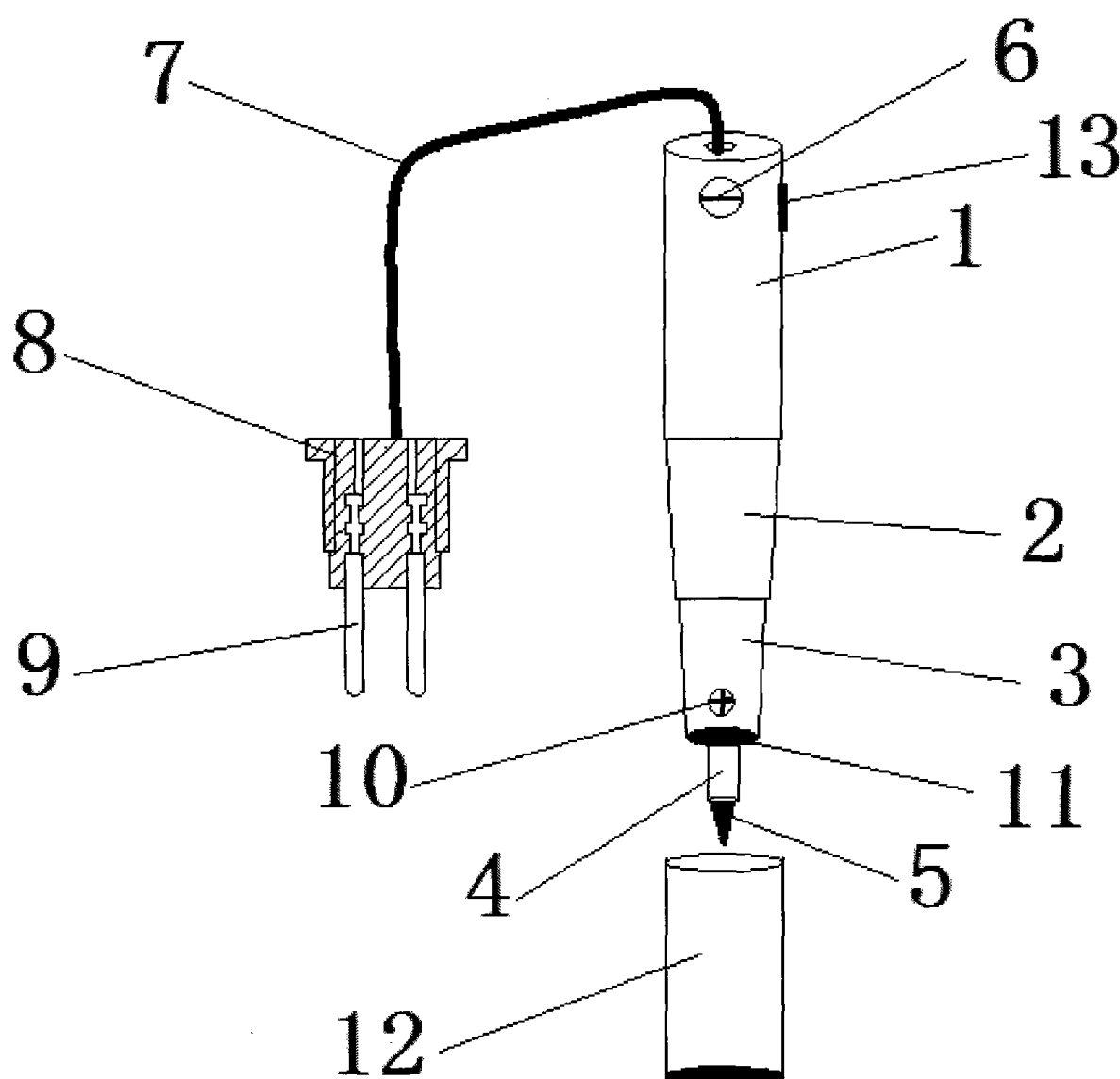
Family 8/20 - FAMPAT - ©Questel

Title

(CN204621291U)

Telescopic electric **iron**

Images



Publication numbers with kind code & date

[CN204621291](#)

U

2015-09-09

[CN204621291U](#)



Abstract

(CN204621291)

The utility model discloses a telescopic electric **iron**, including flatiron **handle**, first telescopic link, second telescopic link, **iron** heating ware, **soldering iron**, a word screw, power cord, plug body, plug, philip's head screw, insulating mat insulation,

flatiron cover cap, flatiron switch, first telescopic link upper end is connected with flatiron **handle** lower extreme, second telescopic link upper end is connected with first telescopic link lower extreme, **iron** heating ware upper end is fixed through the philip's head screw in inserting the second telescopic link, and insulating mat insulation cover is in the middle of second telescopic link and **iron** heating ware, **soldering iron** one end is inserted in the **iron** heating ware, the plug is provided to be connected with the power cord in the plug body mutually, the power cord passes on the flatiron **handle**, is connected mutually with the **iron** heating ware, a word screw provides in flatiron **handle** upper end, adjusts power cord length and fixes, flatiron switching system just is located the right side of a word screw in the flatiron **handle** first half, the electric **iron**, simple structure, the practicality is strong, and long service life is fit for using widely.

Inventors

SONG YUBIN

Latest standardized assignees - inventors removed

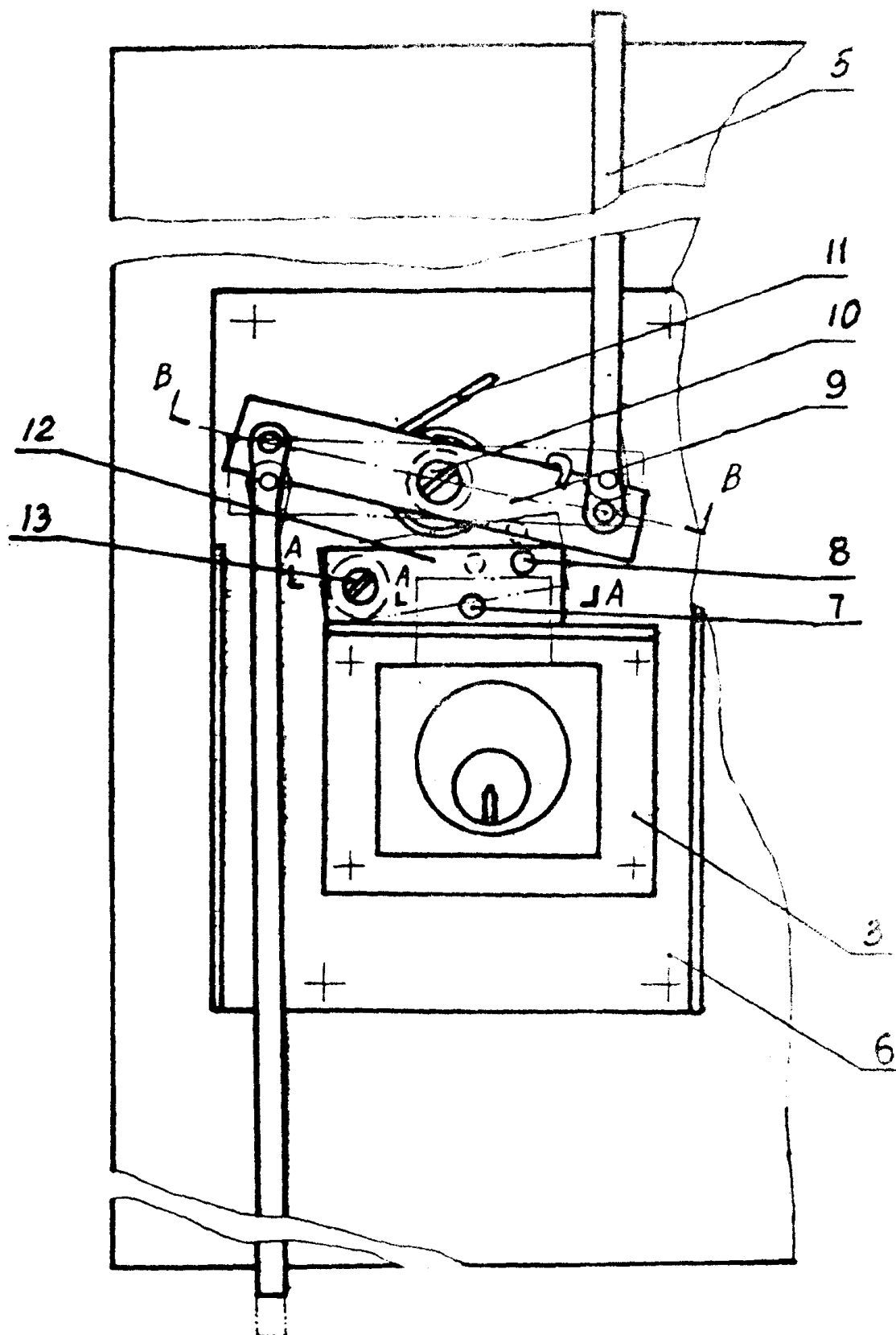
NORTH CHINA INSTITUTE OF AEROSPACE ENGINEERING

Family 9/20 - FAMPAT - ©Questel

Title

(CN2088144U)

Combined **handle** door lock for **iron** sheet filing cabinet**Images**



Publication numbers with kind code & date

CN91201438	Y	1992-07-08	CN91201438U
CN2088144	U	1991-11-06	CN2088144U



Abstract

(CN2088144)

The utility model relates to a combined **handle** door lock for **iron** sheet filing cabinet. A lock core rotor and a latch rod of the utility model are moved with the rotation of the key. The existing lock for **iron** sheet filing cabinet is assembled in the face plate of a door with a lock core, a guide plate, a rotating disk, a latch rod and an anchor-shaped door catch in separating

form; thereby, the existing lock for **iron** sheet filing cabinet has the defects that the anti-theft performance is poor, the cost is high, and the surface of the door is uneven and not beautiful. The utility model is characterized in that a lock core 3, a driving plate 12 and a guide plate 9 are installed on the back cover 6 successively with screws; a supporter plate 4 is fixed on the back cover 6 with a screw and a closed lock case is formed; an annular shackle 2 is sheathed in the outer ring of a lock hole; the lock case is fixed in the face plate of a door (1) in the method of cold riveting. The utility model has the advantages that the structure is simple; the prizing proof performance is enhanced; the surface of the door is flat and beautiful; the combined **handle** door lock for **iron** sheet filing cabinet is suitable for the storing of files in offices such as technical data, documents, etc.

Inventors

YU QINZHOU

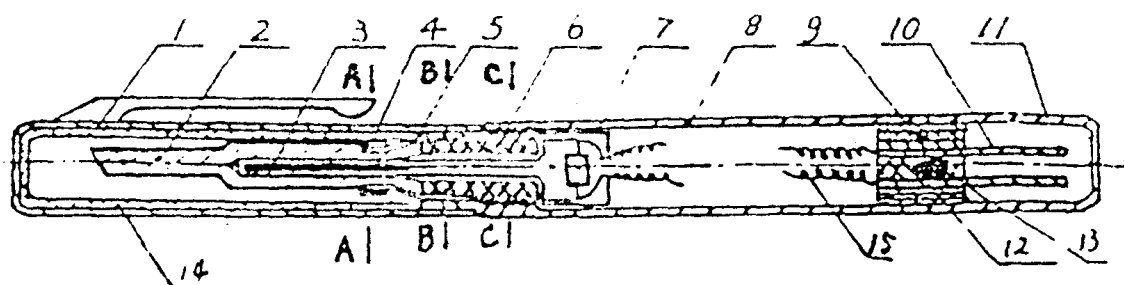
Family 10/20 - FAMPAT - ©Questel

Title

(CN2077342U)

Pen-type energy-saving electric **iron**

Images



Publication numbers with kind code & date

CN89200512	Y	1992-04-01	CN89200512U
CN2077342	U	1991-05-22	CN2077342U



Abstract

(CN2077342)

The utility model relates to a pen-type energy-saving electric **iron**. An electric heating wire is closely wound on a high temperature ceramic pipe, the exterior of the high temperature ceramic pipe is covered with a high temperature insulation ceramic pipe, and a copper head of the **iron** is embedded into the high temperature ceramic pipe in order to form a heating element. The copper head is connected with a **handle** by metal wires or steel pipes, and a power supply line and a shrinkable type single phase plug is arranged at the end of a pen holder. The utility model has the advantages of greatly electricity saving, material saving, rapid temperature rising, flexible use and convenient carrying, and the copper heads with various powers can be selected at user's can in order to adapt the requirements of various different uses.

Inventors

PAN ZELIN

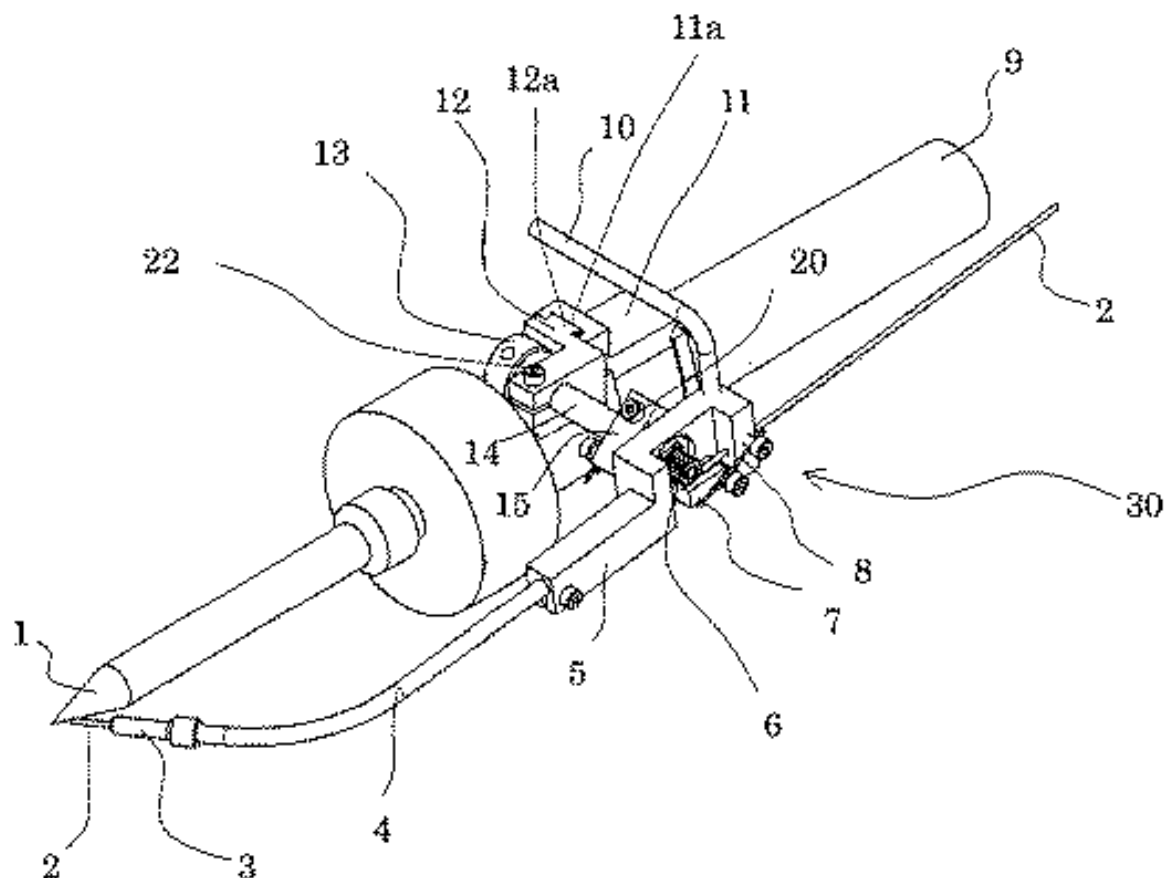
Family 11/20 - FAMPAT - ©Questel

Title

(JP2011088208)

Manual solder feeding apparatus

Images

**Publication numbers with kind code & date**

JP2011088208

A

2011-05-06

JP2011088208

**Abstract**

(JP2011088208)

PROBLEM TO BE SOLVED: To provide a thread solder feeding apparatus in which, according to the using conditions of a **soldering iron** fitted with the thread solder feeding apparatus, a tip nozzle feeding thread solder can be temporarily retreated from a **soldering iron** chip, and the apparatus itself can be detached from the **soldering iron**.

SOLUTION: A solder feed part 30 is made to have a mechanism of being rotatable with a supporting pipe 14 as an axis, thus, by pulling a lever 10, a tip nozzle 3 can be moved to the upper part. Further, when it is released, it returns to the original position of feeding thread solder by force of a spring. Then, by forming a structure where the whole apparatus is supported by a body fitting component 12, and which is made easily detachable from a base 11 fixed to a **handle** 9, it can be used also as a normal **soldering iron**.

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Inventors

AMITANI RYUICHIRO

Latest standardized assignees - inventors removed

KOYO SEISAKUSHO

Family 12/20 - FAMPAT - ©Questel

Title

(JP07013139U)

Livestock small portable waste disposal device of

Publication numbers with kind code & date

JP7013139

U

1995-03-07

JP07013139U

**Abstract**

(JP7013139)

[Object] (such as a dog) small domestic waste processing (feces), defecation or received in, and skimmed feces dropped

to, easily, clean, and can reasonably be, portable housing, the flowing of the flush toilet or a cleaning treatment, such as by water washing the hose field, etc. can be processing, convenient portable, the waste disposal of small domestic equipment. PURPOSE: Quickly, a container with a lid which can be opened to the receiving port, the **handle** is attached to the **retractable**, scooping container unit, the water inlet, a drain outlet is provided, the small domestic waste disposal portable device.

Inventors

Osamu Okamura Tadashi

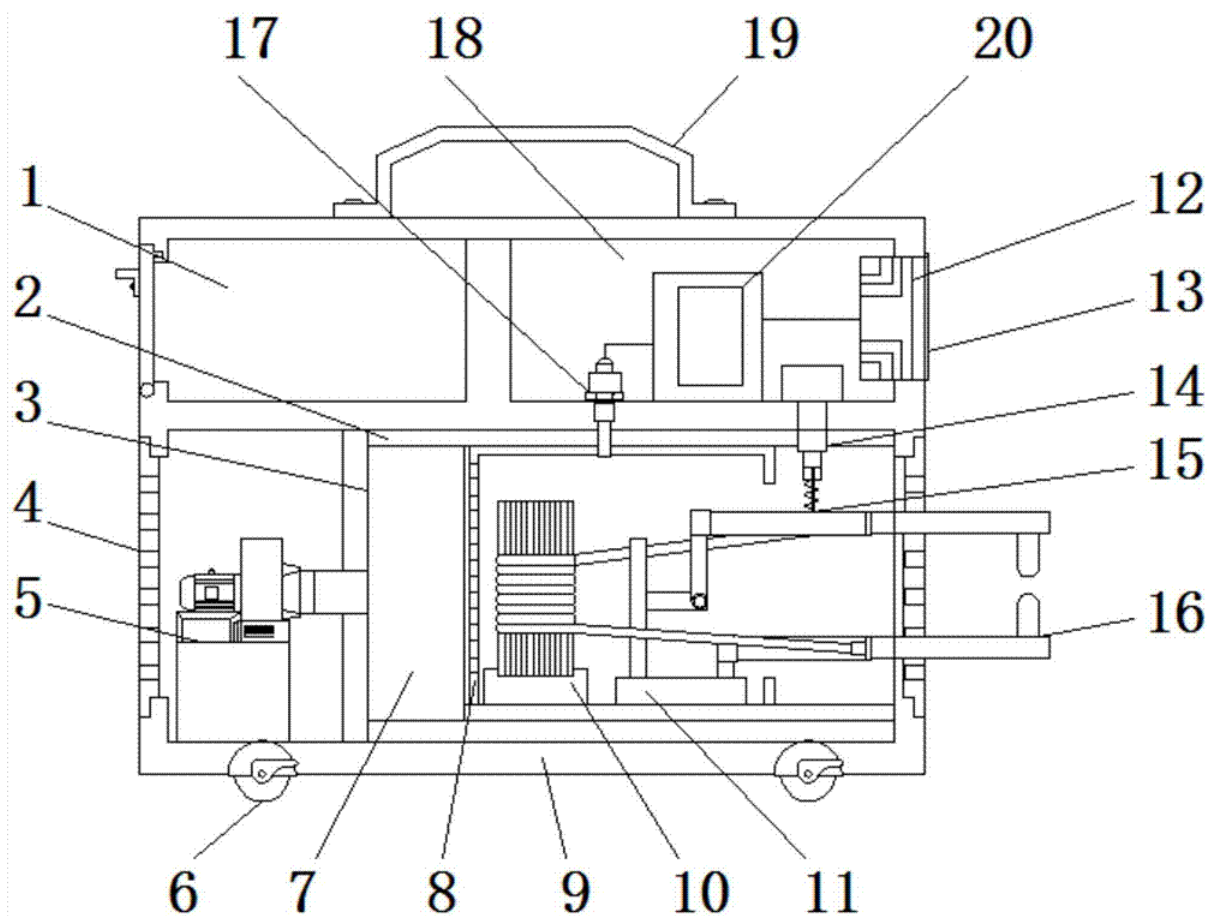
Family 13/20 - FAMPAT - ©Questel

Title

(CN207494758U)

Electric welding with good thermal diffusivity and security

Images



Publication numbers with kind code & date

CN207494758

U

2018-06-15

CN207494758U



Abstract

(CN207494758)

The utility model discloses an electric welding with good thermal diffusivity and security, including storing room, ventiduct, organism, control room and **iron** core, bottom of the body installs the universal wheel, be equipped with the ventiduct in the organism of heating panel one side, all install the heat insulating board on the upper and lower inner wall of ventiduct, the one end of ventiduct is equipped with an album dirt buffer memory room, install the **iron** core on the coil winding seat, install the **soldering** turret on the **soldering** turret support, be equipped with the control room in the organism of ventiduct top, install temperature sensor in the control room, automatic telescopic link is installed to protection circuit board one side, install control panel on the organism of automatic telescopic link one side. The utility model discloses compare simple structure with traditional electric welding, light in weight, more portable and removal, and good thermal diffusivity and security have, keep apart control protection electric circuit and welding circuit with the ventiduct through being equipped with the control room in the organism to avoid the mutual interference.

XU TANGJING

DING KUNYING

HE RUI

XIE HAICHAO

LU PENGCHENG

SUN YUBO

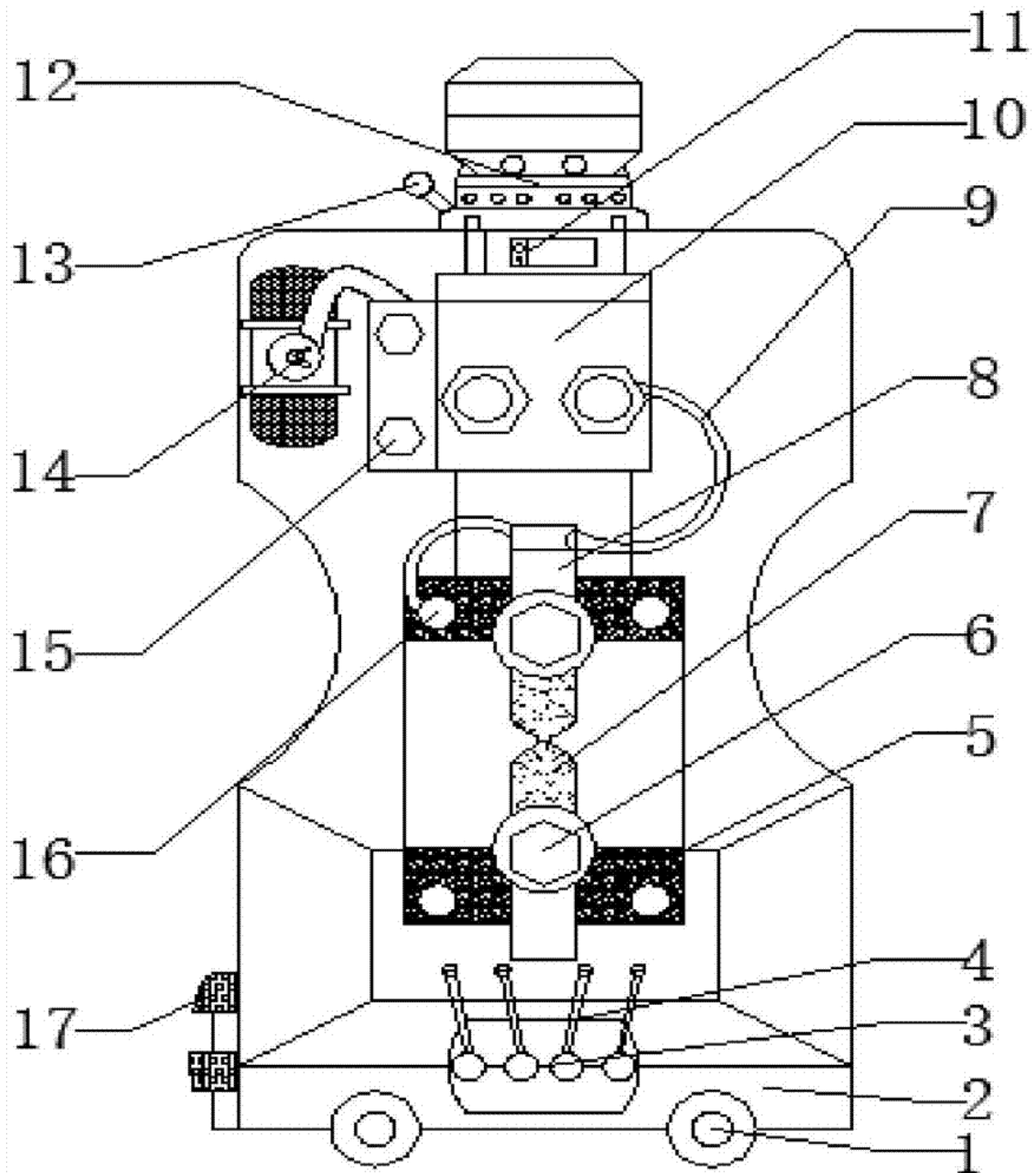
Latest standardized assignees - inventors removed

CIVIL AVIATION UNIVERSITY OF CHINA

Family 15/20 - FAMPAT - ©Questel

Title

(CN108857012)

Iron picture spot welding device**Images**

Abstract

(CN108857012)

The invention discloses an **iron** picture spot welding device. The upper portions of wheels are connected with a base. The middle portion of the base is connected with operation switches. A switch rocker is fixed to the middle portion of each operation switch. The upper portion of each switch rocker is connected with an electrode fixing disc. Electrode telescopic bolts are arranged on the middle portion of the electrode fixing disc. A lower electrode is fixed to the middle portion of each electrode telescopic bolt. The upper portion of each lower electrode is connected with an upper electrode. Control buses are arranged on the left side and the right side of the upper portion of the corresponding upper electrode. The upper portion of the corresponding control bus is connected with a control cabinet. The upper portion of the control cabinet is connected with a work display screen. The upper portion of the work display screen is connected with a power source. A control **handle** is arranged on the left side of the lower portion of the power source. A cylinder is arranged on the left side of the control cabinet. The left side of the lower portion of the control cabinet is connected with a gas valve. A control button is arranged on the left side of the middle portion of each lower electrode. A safety switch is arranged on the left side of the base. The **iron** picture spot welding device is simple in structure and practical in function.

Inventors

YU ZESHAN

YU YING

Latest standardized assignees - inventors removed

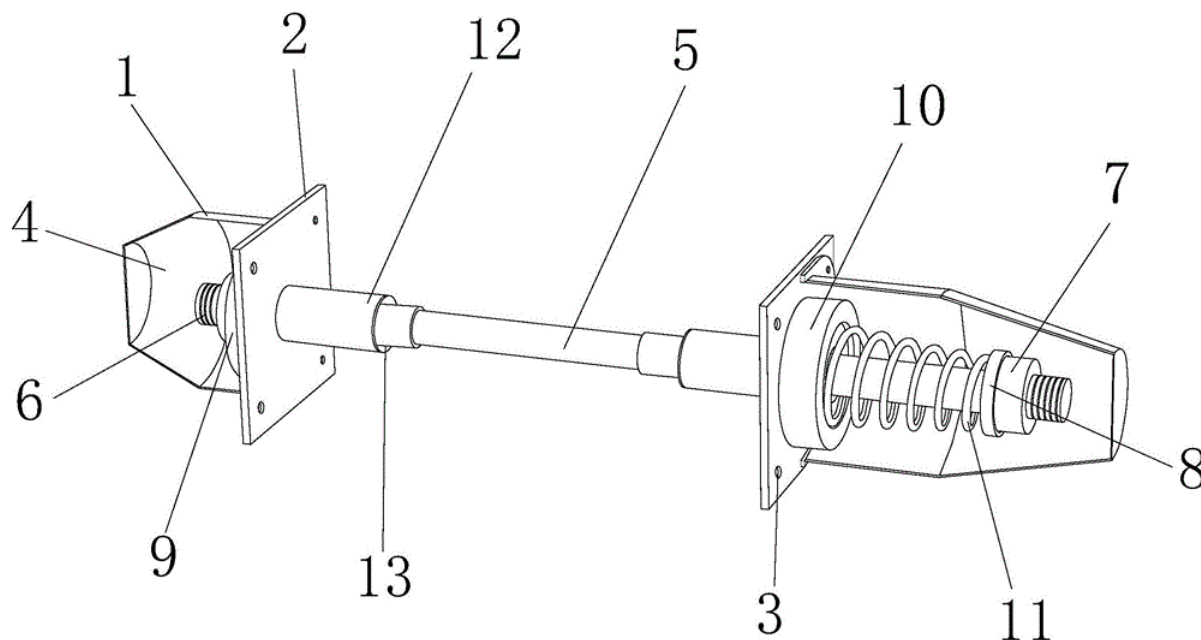
WUWEI COUNTY SPLENDID NEW MDT INFOTECH

Family 16/20 - FAMPAT - ©Questel

Title

(CN107761569)

Novel bridge construction anti-falling device

Images**Publication numbers with kind code & date**[CN107761569](#)

B

2019-05-14

CN107761569B

[CN107761569](#)

A

2018-03-06

CN107761569

**Abstract**

(CN107761569)

The invention discloses a novel bridge construction anti-falling device which structurally comprises two protective shell covers, two baffles, fixing screw holes, a **retractable** limiting cavity, a deformable sliding rod, a fixing thread, a locking nut, a welding spacer, an initial end welding ring, a terminal welding ring, a strong spring, a fixing sleeve and an expansion and

An assembly line for producing steel coffers (2) from sheet metal plates (1) for ceiling and/or wall constructions, in particular for completing the interior or for building the superstructure of ships, for transportable and movable buildings, for halls, hotels and the like, has a cutting and/or stamping station (3), a bending press (4) with an associated manipulator (5) and associated ball transfer table (6), and a **soldering** station (7), as well as at least one running carriage (8) capable of travelling back and forth below these stations (3, 5, 7) and designed as an underfloor vehicle, an underfloor trolley or the like. The bending press (4) is combined with a manipulator (5) designed as a semiportal crane movable with respect to the press (4) and having an equally movable, vertically movable gripper rotatable around the vertical axis, with which the sheet metal plates (1) are moved to the required positions in the bending press (4). The bending press (4) has a holding-down clamp capable of being swivelled by an eccentric drive in order to compensate for different thicknesses of the sheet metal plates.

Inventors

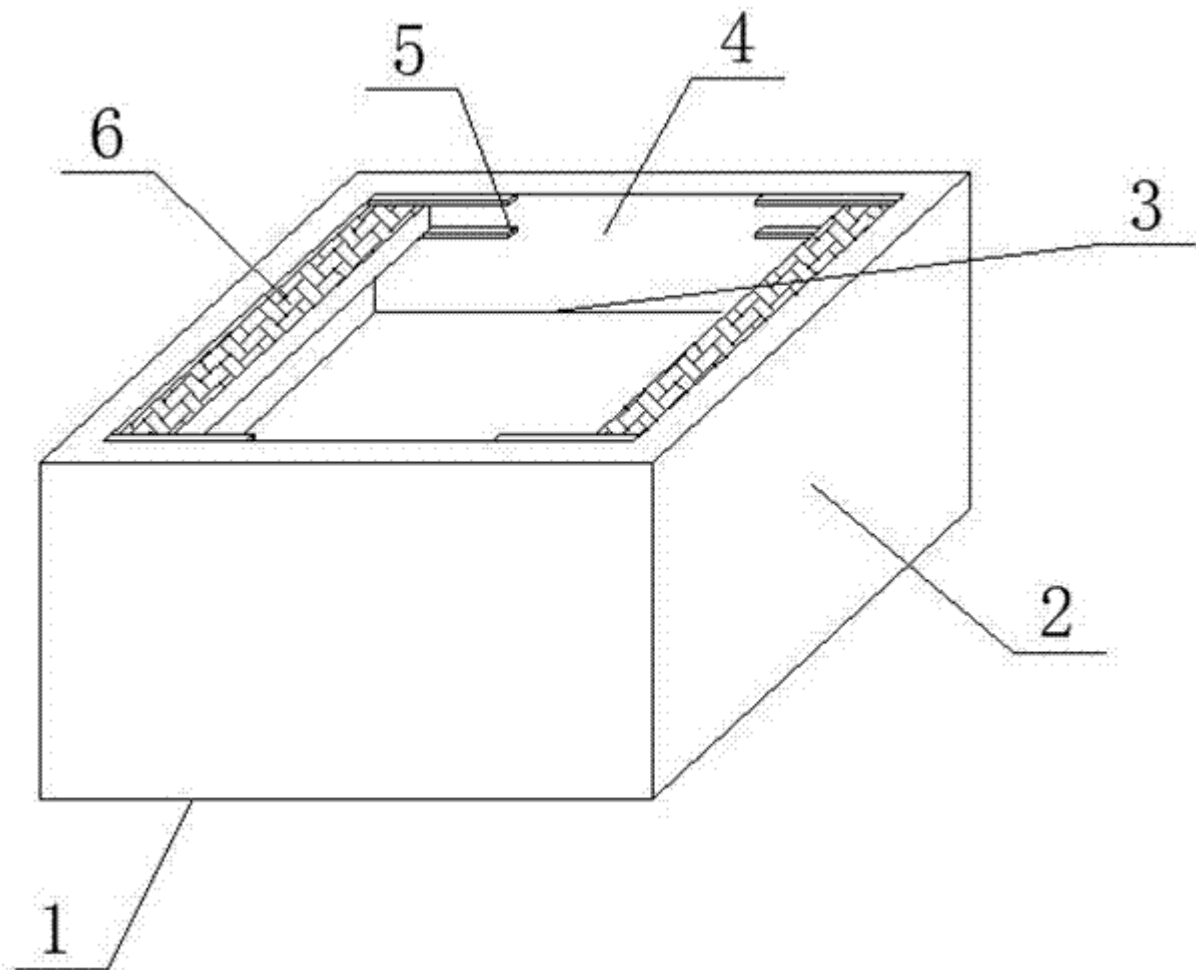
WARNEKE HORST

Family 18/20 - FAMPAT - ©Questel

Title

(CN207776003U)

Cistern for agricultural irrigation

Images**Publication numbers with kind code & date**[CN207776003](#)

U

2018-08-28

CN207776003U

**Abstract**

(CN207776003)

The utility model discloses a cistern for agricultural irrigation, including the cistern bottom of the pool, its characterized in that: the top of cistern bottom of the pool is provided with the cistern outer wall, just the cistern bottom of the pool is pour through cement with the cistern outer wall and is carried out fixed connection, the inboard of cistern outer wall is provided

with the cistern inner wall, just the cistern outer wall is pour through cement with the cistern inner wall and is carried out fixed connection, setting up at the bottom of the fallen leaves or other rubbish intakebasins that can prevent the external environment condition of **iron** net, and then prevented that the pollutant from polluting water source in the pond, during water in using the cistern, do not worry that the water source can cause not good influence to crops yet, outside rubbish dump is put and is also cleared up easily on the net at **iron**, the water that can reduce in the pond that sets up of expansion plate is volatilized, the personnel that also can prevent outside the pond fall to the pond in because of carelessness, the security of cistern has improved, support and guard action can be played to the expansion plate to setting up of fixed plate.

Inventors

WEN YANJUAN

YANG JIANYUN

Latest standardized assignees - inventors removed

GUANGDONG CHAOYUE CONSTRUCTION

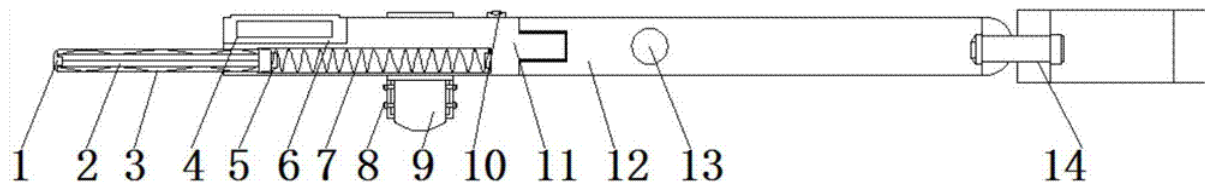
Family 19/20 - FAMPAT - ©Questel

Title

(CN207448269U)

Electric elements tears open and pulls out tweezers

Images



Publication numbers with kind code & date

[CN207448269](#)

U

2018-06-05

CN207448269U



Abstract

(CN207448269)

The utility model discloses an electric elements tears open and pulls out tweezers, pull out needle, chuck, stabilizer blade, tweezers arm and tweezers **handle** including tearing open, the pull ring is installed through bolted construction to the one end of tweezers **handle**, the outside cover of tweezers **handle** has insulating cover, install double -end positioning bolt on the tweezers **handle** that insulating set was kept away from pull ring one side, the tweezers **handle** is close to double -end positioning bolt one end and installs the tweezers arm that the structure is the same through the helicitic texture, tweezers arm rest closely picks up something with tweezers the one end of **handle** and installs the survey electric light, tear open and pull out the needle and receive and keep the groove and pull out needle compression spring and install to tear open and pull out the needle through tearing open, tear the front end that pulls out the needle open and install survey electricity piece, theinslot is received and kept to the chuck has the chuck through the spring mounting. The utility model discloses convenient to use, the security is high, is fit for being used for dismantling the electric elements on the complex circuit board, but surveys electric electric current on the detection circuitry board through installing, but through installing double -end positioning bolt maintenance clamp degree, convenient long -time centre gripping electric elements pulls out through installing convenient the tearing open hard of pull ring.

Inventors

YIN XIAOFENG

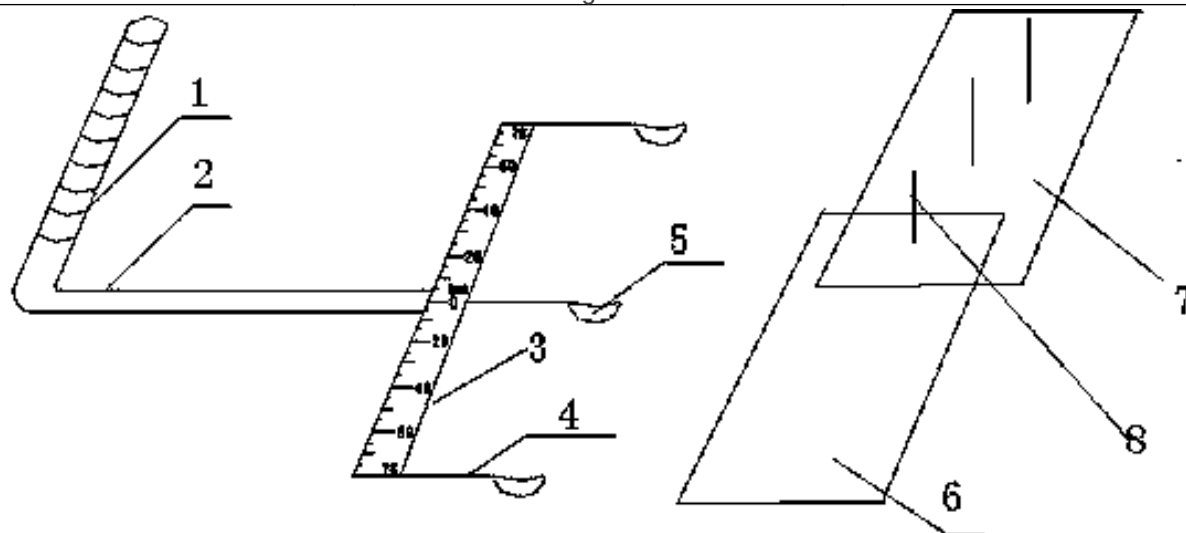
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Title

(CN103394785B)

Handheld solder-adding tool for welding heads of welder

Images

**Publication numbers with kind code & date**

CN103394785	B	2015-05-27	CN103394785B
CN103394785	A	2013-11-20	CN103394785

**Abstract**

(CN103394785)

The invention discloses a handheld solder-adding tool for welding heads of a welder. The tool comprises solder spoons as many as the welding heads. The spacing of the adjacent solder spoons is equal to that of the adjacent welding heads. The solder spoons are all mounted on a same carrier. The handheld solder-adding tool allows solder to be added remotely once, the problem that the solder adding process is incomplete when the welding heads are heated is avoided, operation is safer, and solder adding is more efficient.

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Latest standardized assignees - inventors removed

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