

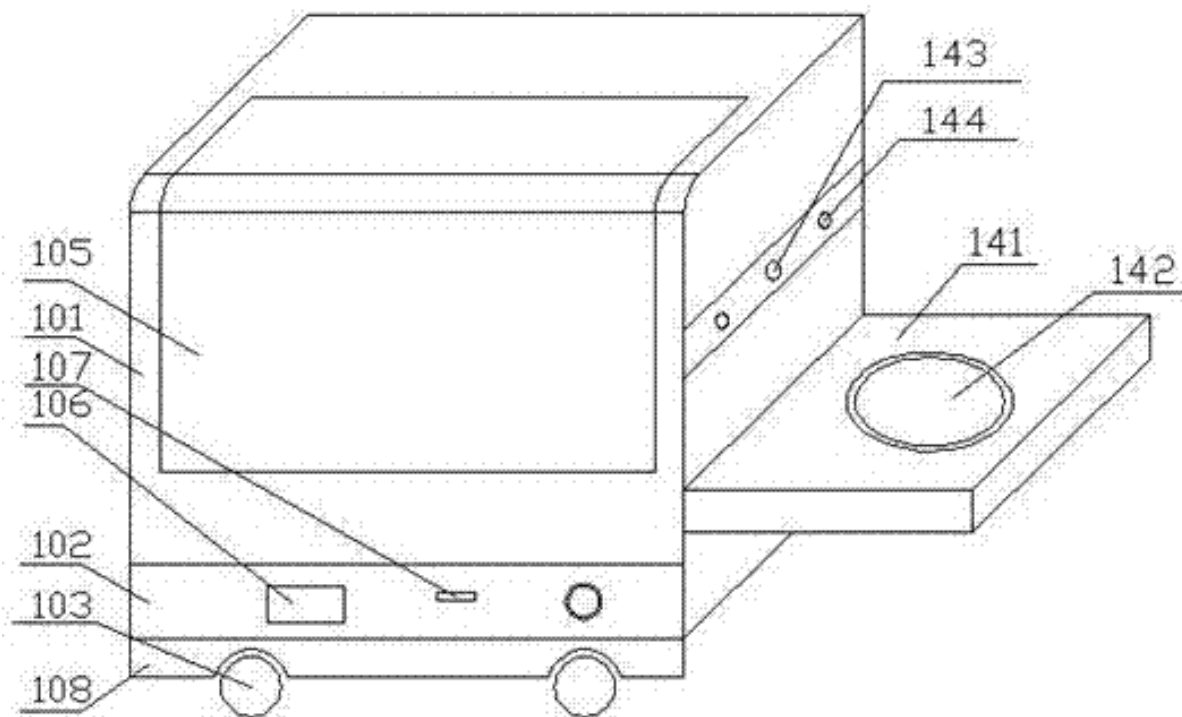
11 Documents

Publication numbers	Title	Current assignees
CN107283843 A	Mobile 3D printer	ANHUI KANGLI ENERGY SAVING ELECTRIC APPLIANCE TECHNOLOGY
CN108381921 A	Portable 3D printer having remote control function	TIANJIN ZHIJIE TECHNOLOGY
CN208118438U U	Portable 3D printer with remote control function	TIANJIN ZHIJIE TECHNOLOGY
CN208664407U U	3D printing device	LIUZHOU WISDOM CLOUD TECHNOLOGY
WO201829840 A1	Probe	ISPACE
CN208196812U U	Guest greeting robot	BEIJING PUJING TECHNOLOGY
CN102141797 A	Airport terminal service robot and control method thereof	CIVIL AVIATION UNIVERSITY OF CHINA
CN108078146 A	Automatic nail beautifying machine	XUAN JIANMIN
CN207898151U U	Automatic first beautiful machine	XUAN JIANMIN
EP2059899 A2	Genius adaptive design	KAYS STEVEN
CA2689757 A1	Adaptive electronic design	KAYS, STEVEN C.

Family 1/11 - FAMPAT - ©Questel

Title

(CN107283843)

Mobile **3D printer****Images****Publication numbers with kind code & date**[CN107283843](#)

A

2017-10-24

CN107283843

**Abstract**

(CN107283843)

The invention discloses a mobile **3D printer**. The mobile **3D printer** comprises a shell, a main machine device, **wheels**, a display screen, a USB interface, a shell cover, a power supply plate, a tray, a turntable, a **camera** and a laser lamp. The **printer** can move among different stations; the utilization rate of the **3D printer** is increased; and the production cost is reduced.

Inventors

LI GUOHONG

Latest standardized assignees - inventors removed

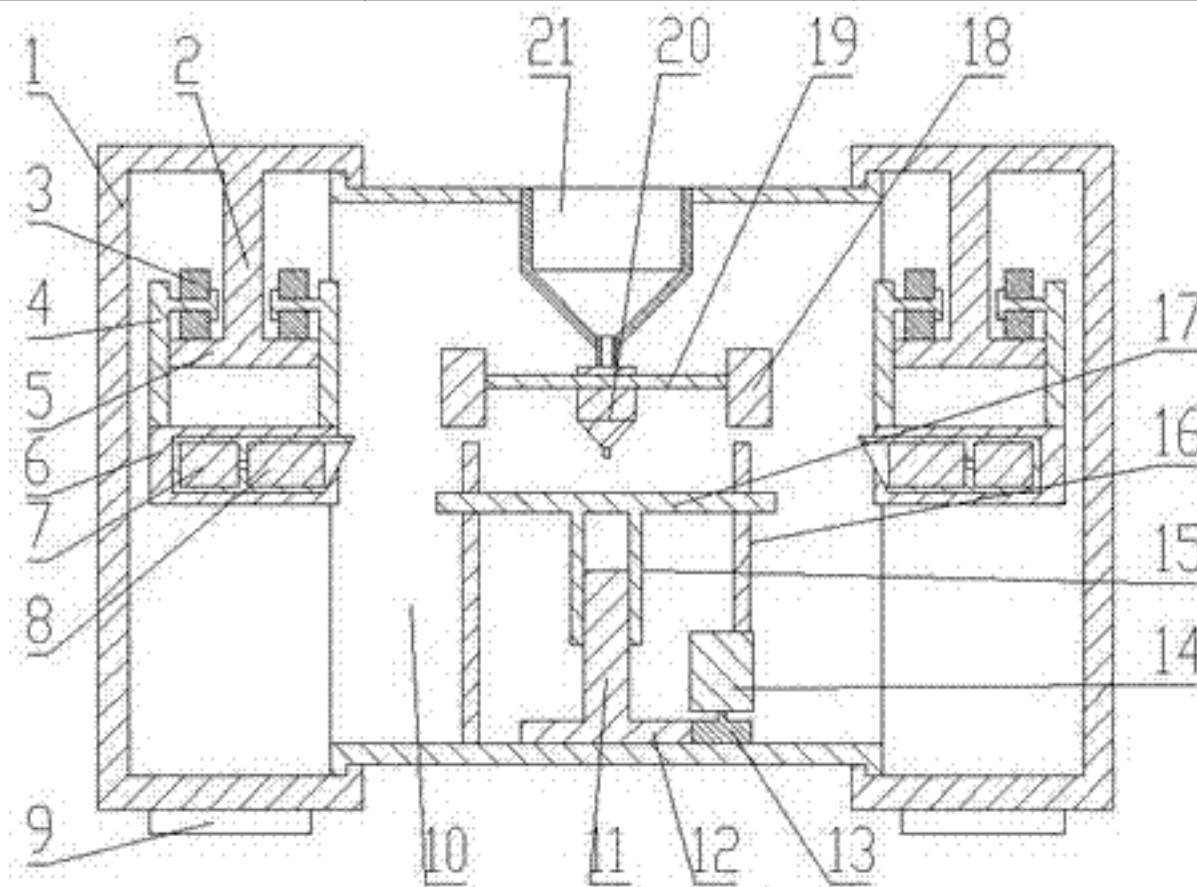
ANHUI KANGLI ENERGY SAVING ELECTRIC APPLIANCE TECHNOLOGY

Family 2/11 - FAMPAT - ©Questel

Title

(CN108381921)

Portable **3D printer** having remote control function**Images**

**Publication numbers with kind code & date**

CN108381921

A

2018-08-10

CN108381921

**Abstract**

(CN108381921)

The invention discloses a portable **3D printer** having a remote control function. The portable **3D printer** having the remote control function comprises two outer shells, rolling **wheels**, a **camera**, an inner shell, a workbench and a spray nozzle. The outer shells are arranged on the left side and the right side of the inner shell. The two outer shells are symmetrically arranged, and the opposite sides of the outer shells are arranged on the left side and the right side of the shell in a sleeving manner. Supporting columns are arranged on the lower sides of the tops of the outer shells. The bottoms of the supporting columns are provided with supporting plates. The supporting columns are fixedly connected with the supporting plates. The left side and the right side of each supporting column are provided with the corresponding rolling **wheels**. The front side and the back side of the **camera** are both provided with lower connection plates. The left end and the right end of the top of each lower connection plate are provided with upper connection plates. A material storage bin is arranged on the top inside the inner shell. The left side and the right side of the spray nozzle are both provided with fixing bosses. A second lead screw is arranged between the two fixing bosses and connected with the top of the spray nozzle in a meshed manner. The portable **3D printer** having the remote control function is simple and reasonable in structural design and convenient and rapid to operate during use, and the portable **3D printer** can start to operate in the manner that the outer shells are pulled to left and right; and the outer shells are oppositely pushed after use is completed, the volume of the portable **3D printer** is reduced, and the portable **3D printer** is convenient to move.

Inventors

YANG YAMIN

Latest standardized assignees - inventors removed

TIANJIN ZHIJIE TECHNOLOGY

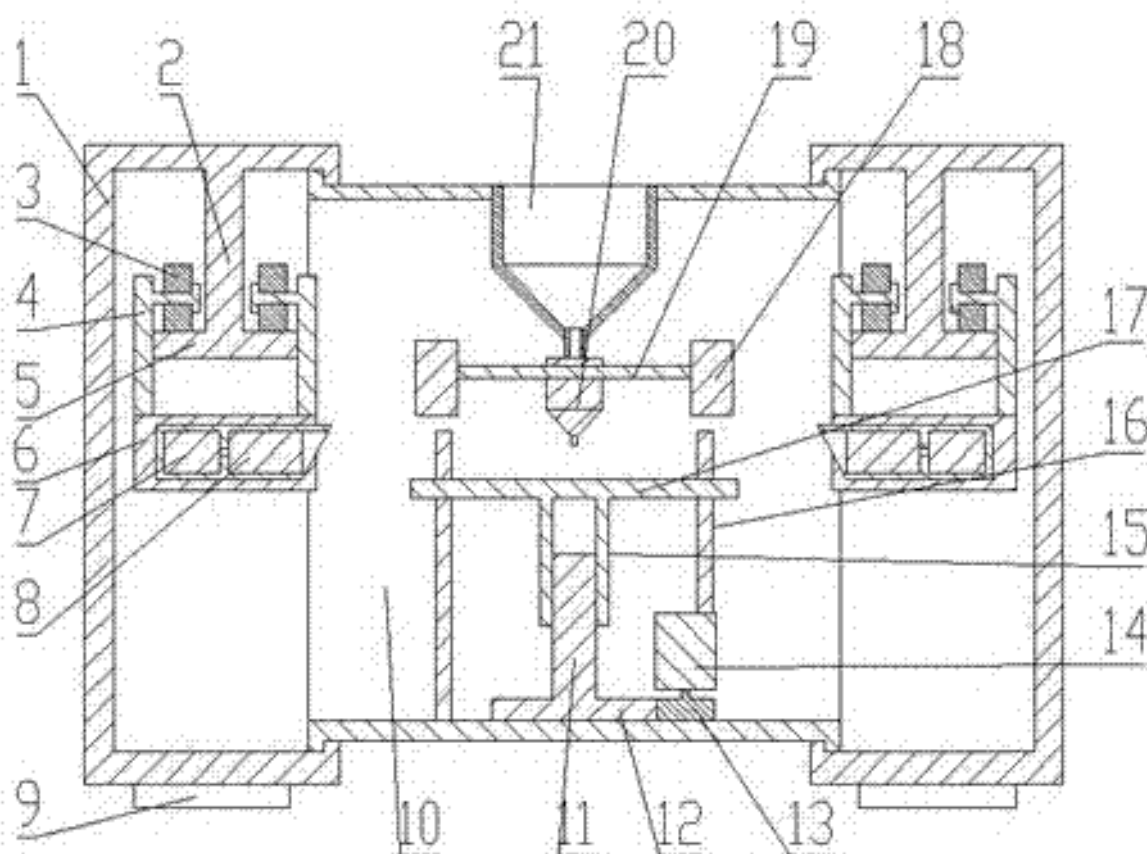
Family 3/11 - FAMPAT - ©Questel

Title

(CN208118438U)

Portable **3D printer** with remote control function

Images



Publication numbers with kind code & date

CN208118438

U

2018-11-20

CN208118438U



Abstract

(CN208118438)

The utility model discloses a portable 3D printer with remote control function, including shell, gyro wheel, camera, inner shell, workstation and shower nozzle, the inner shell left and right sides all is provided with the shell, and setting of two shells symmetry and opposite side overlap respectively to be established in the inner shell left and right sides, shell top below is provided with the support column, and the support column bottom is provided with backup pad and fixed connection, the support column left and right sides all is provided with the gyro wheel, both sides all are provided with down the connecting plate around the camera, and lower connecting plate top left and right sides both ends all are provided with the upper junction plate, the inner shell top is provided with the storage silo, the shower nozzle left and right sides all is provided with fixed boss, and be provided with the second lead screw between the two fixed boss and be connected with shower nozzle top meshing, the utility model discloses structurally the design is simple reasonable, uses convenient operation swift, and the shell of right direction pulling left can be brought into use, and promotes the shell in opposite directions after finishing using, reduces the equipment volume, makes things convenient for the mobile device.

Inventors

YANG YAMIN

Latest standardized assignees - inventors removed

TIANJIN ZHIJIE TECHNOLOGY

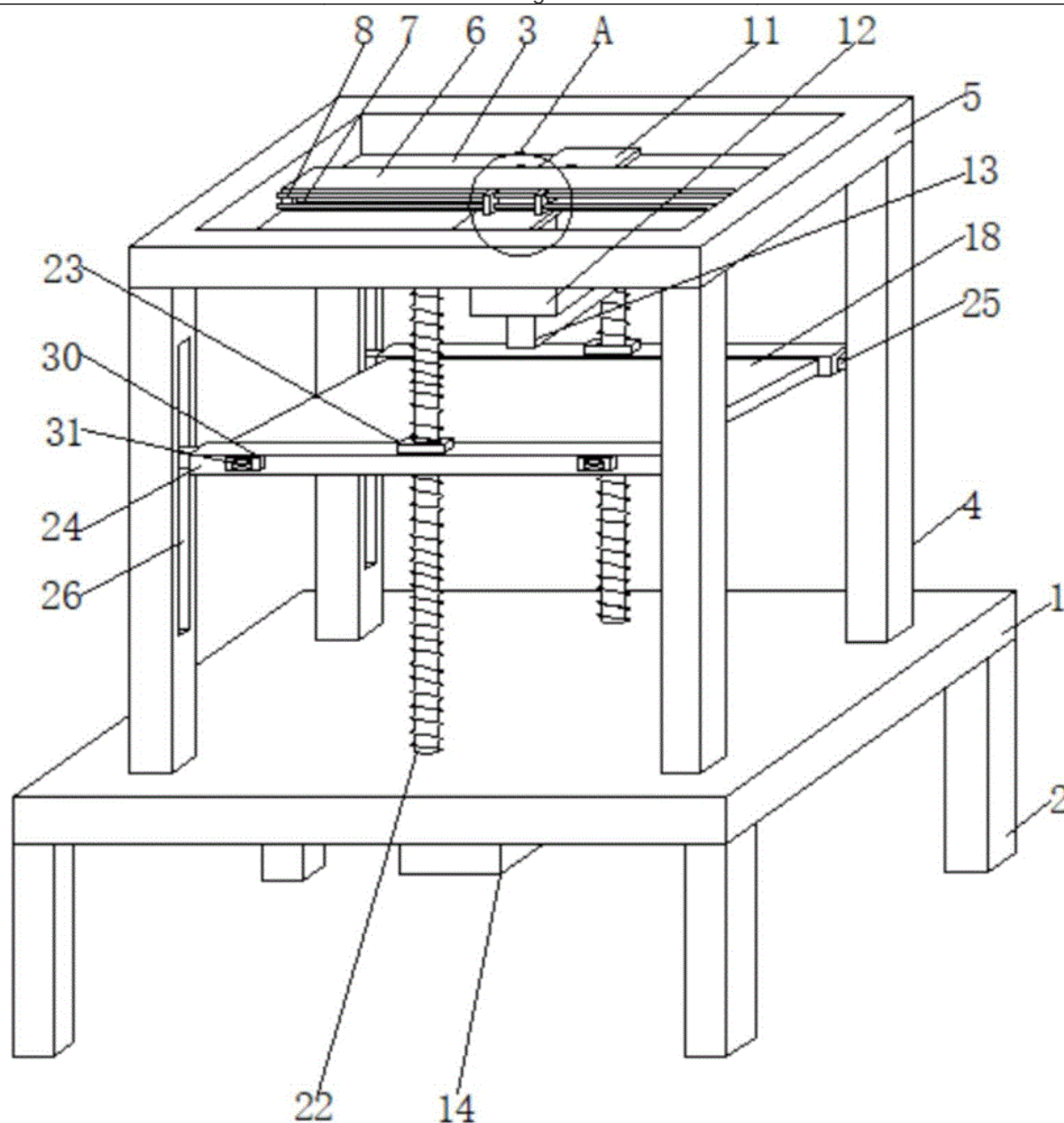
Family 4/11 - FAMPAT - ©Questel

Title

(CN208664407U)

3D printing device

Images



Publication numbers with kind code & date

CN208664407

U

2019-03-29

CN208664407U



Abstract

(CN208664407)

The utility model relates to a 3D prints technical field, and discloses a 3D printing device, the camera includes a supporting plate, four equal fixedly connected with supporting legs of right angle department of backup pad bottom, fixed connection are all located through four right angles of support frame and printing device platform bottom in the left and right sides of both sides around the backup pad top, the top of printing device platform has been seted up rather than the communicating cavity in bottom. The utility model provides an article of printing device altitude mixture control after having the defect and generating get the inconvenient problem of material, the utility model discloses a to the use of mutually supporting of driving motor, double runner, bull stick, lead screw and thread bush, driving motor starts, because the thread bush cup joints at the top of cardboard, the thread bush can rotate to can go up and down on the lead screw, thereby the cardboard can move about from top to bottom, thus the distance of stamp pad and printing device body can be adjusted, further make things convenient for the operator to the printing device body with print the thing and carry out regular operation.

Inventors

LIU YANHAI

Latest standardized assignees - inventors removed

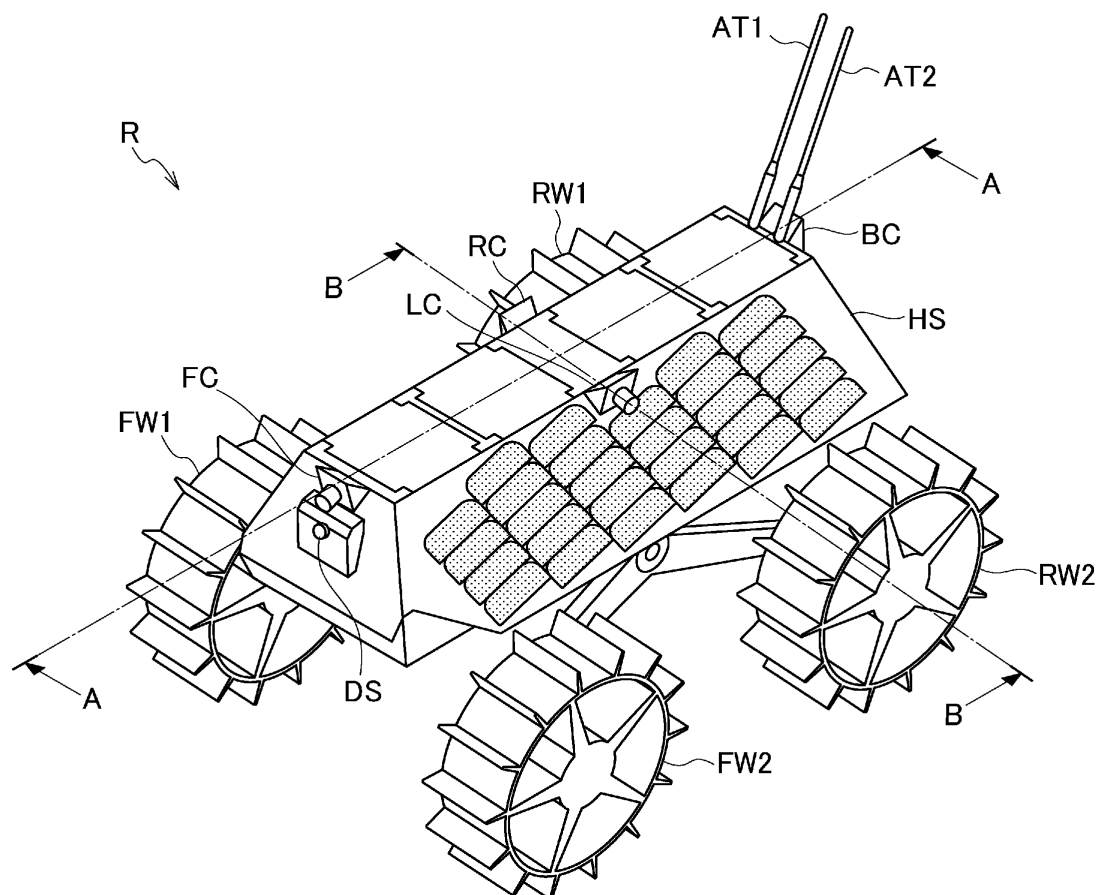
LIUZHOU WISDOM CLOUD TECHNOLOGY

Family 5/11 - FAMPAT - ©Questel

Title

(WO201829840)

Probe

Images**Publication numbers with kind code & date**

WO2018/029840	A1	2018-02-15	WO201829840
WO2018/030368	A1	2018-02-15	WO201830368

**Abstract**

(WO2018/029840)

This probe, which is capable of travel, includes: **wheels**; a first **camera** disposed so as to face a direction in which the probe can travel; and a second **camera** disposed so as to face a direction other than the direction in which the probe can travel. The lens of the first **camera** and/or the second **camera** is oriented so as to face in a downward direction with respect to the horizontal direction, and the **wheels** are included in the visual field of the first **camera** and/or the visual field of the second **camera**.

Inventors

WALKER, John

SHIMIZU, Toshiro

TANAKA, Toshiki

FURUTOMO, Daisuke

KUDO, Yutaka

MIYAMOTO, Kiyona

Latest standardized assignees - inventors removed

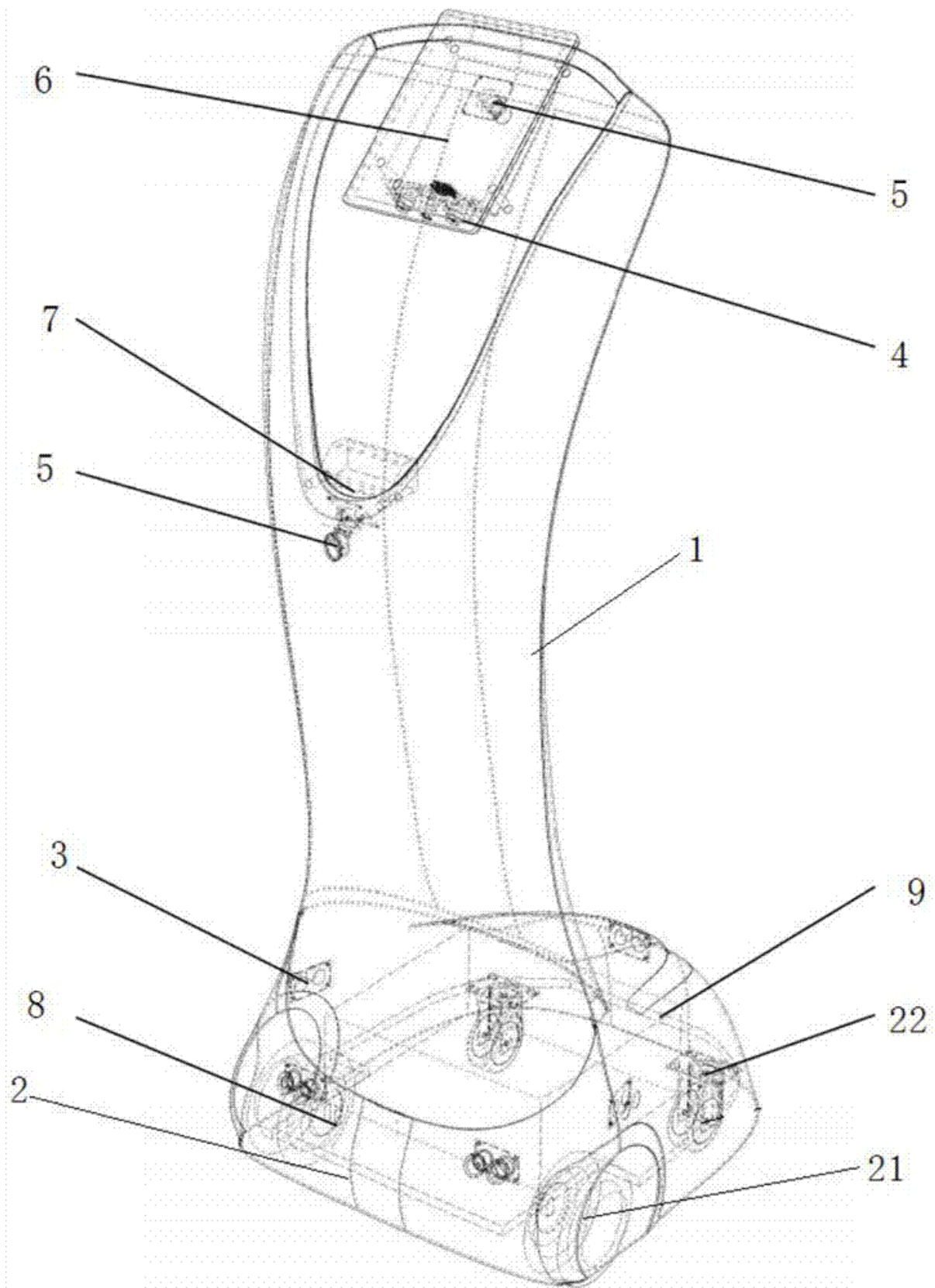
ISPACE

Family 6/11 - FAMPAT - ©Questel

Title

(CN208196812U)

Guest greeting robot

Images

Publication numbers with kind code & date

[CN208196812](#)

U

2018-12-07

CN208196812U

**Abstract**

(CN208196812)

The utility model provides a guest greeting robot, has a casing, and the casing bottom is a movable chassis, movable chassis is equipped with the drive wheel and follows the driving wheel, and wherein the two -wheeled is the drive wheel, and other are for following the driving wheel, the drive wheel is the universal wheel by motor drive from the driving wheel, casing upper portion is provided with the operating area, and the operating area top is provided with the display screen, and the display screen below is provided with 3D vision imaging sensor, the operating area bottom is provided with bar printer. The casing back is provided with the camera of observing backward. Movable chassis arranges all around has ultrasonic sensor for find range and keep away the barrier, but the system organizes the power supply through rechargeable lithium - ion battery, still including: real -time location and automatic navigation module, automatic obstacle avoidance function module, automatically the module of charging, speech recognition and dialogue module, WIFI communication module.

Inventors

CHEN ZHANGYONG

CHEN ZHANGJUN

XU ZHAOMIN

LIU CHENDI

Latest standardized assignees - inventors removed

BEIJING PUJING TECHNOLOGY

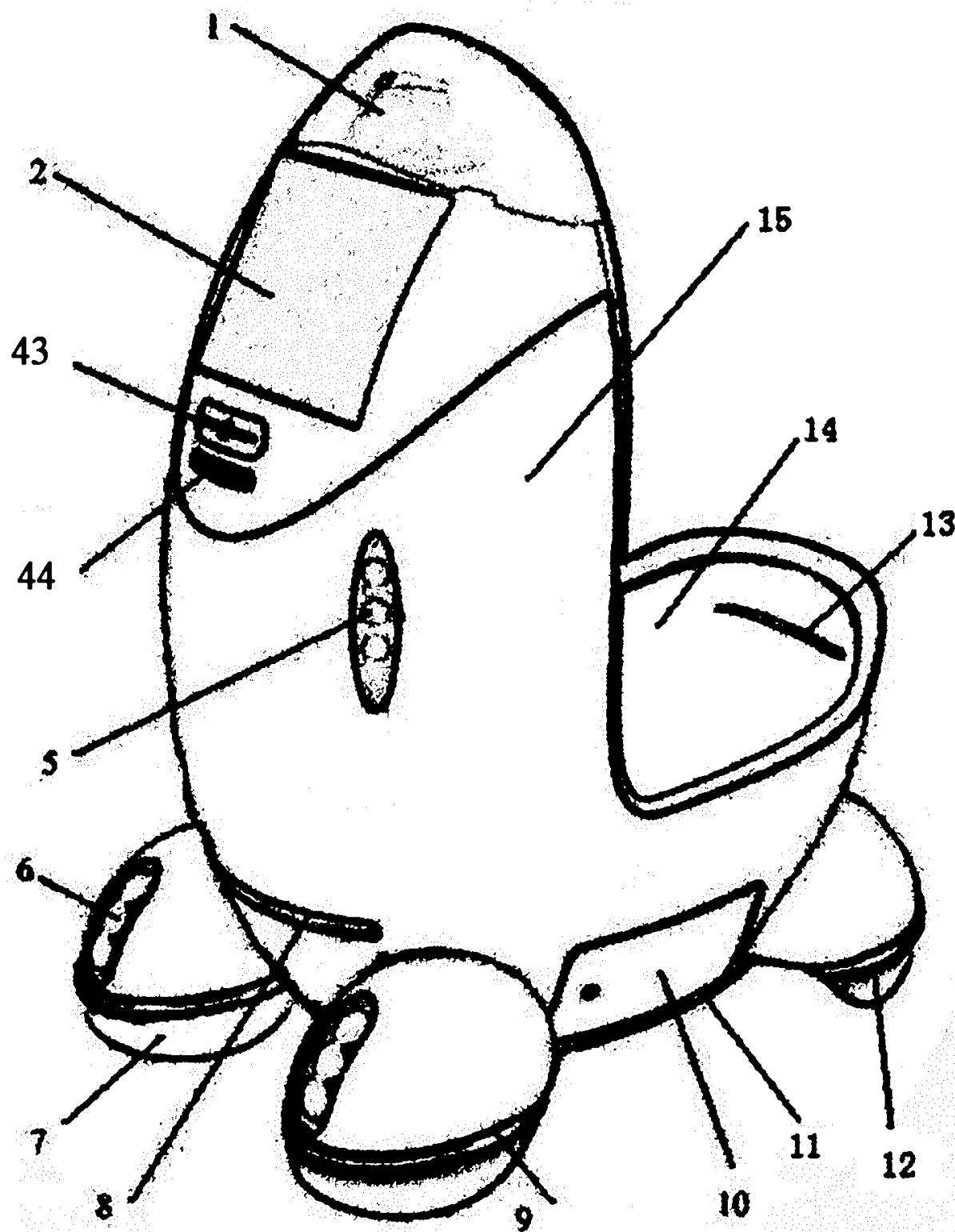
Family 7/11 - FAMPAT - ©Questel

Title

(CN102141797B)

Airport terminal service robot and control method thereof

Images



Publication numbers with kind code & date

CN102141797	B	2012-09-26	CN102141797B
CN102141797	A	2011-08-03	CN102141797



Abstract

(CN102141797)

The patent refers to the field of 'control or regulating systems and its monitoring or testing arrangements'. The invention discloses an airport terminal service robot and a control method thereof. The robot comprises a body, a control system, an identity card identifier and a boarding card **printer**; the body comprises a chassis, a shell, two driving **wheels** and two driven **wheels**; the shell is arranged on the surface of the chassis; the two driving **wheels** and the two driven **wheels** are arranged on two sides of the rear part and the front part of the chassis respectively, and a wheel cover is arranged above each wheel; and the control system, the identity card identifier and the boarding card **printer** are all arranged in an equipment cabin of the shell. The airport terminal service robot can realize manual remote control or automatic control, can provide

functions of mobile self-service check-in, fixed line guide, baggage carrying, information query, multi-language voice communication, mobile monitoring and the like in a centralized service mode, and can be recreationally interacted with passengers so as to further simplify the check-in procedures, facilitate outgoing of civil aviation passengers, facilitate improvement of service efficiency and promote the integral scientific and technological level of an airport terminal.

Inventors

GAO QINGJI

DONG HUIFEN

NIU GUOCHEN

WANG XUQIAO

XU PING

Latest standardized assignees - inventors removed

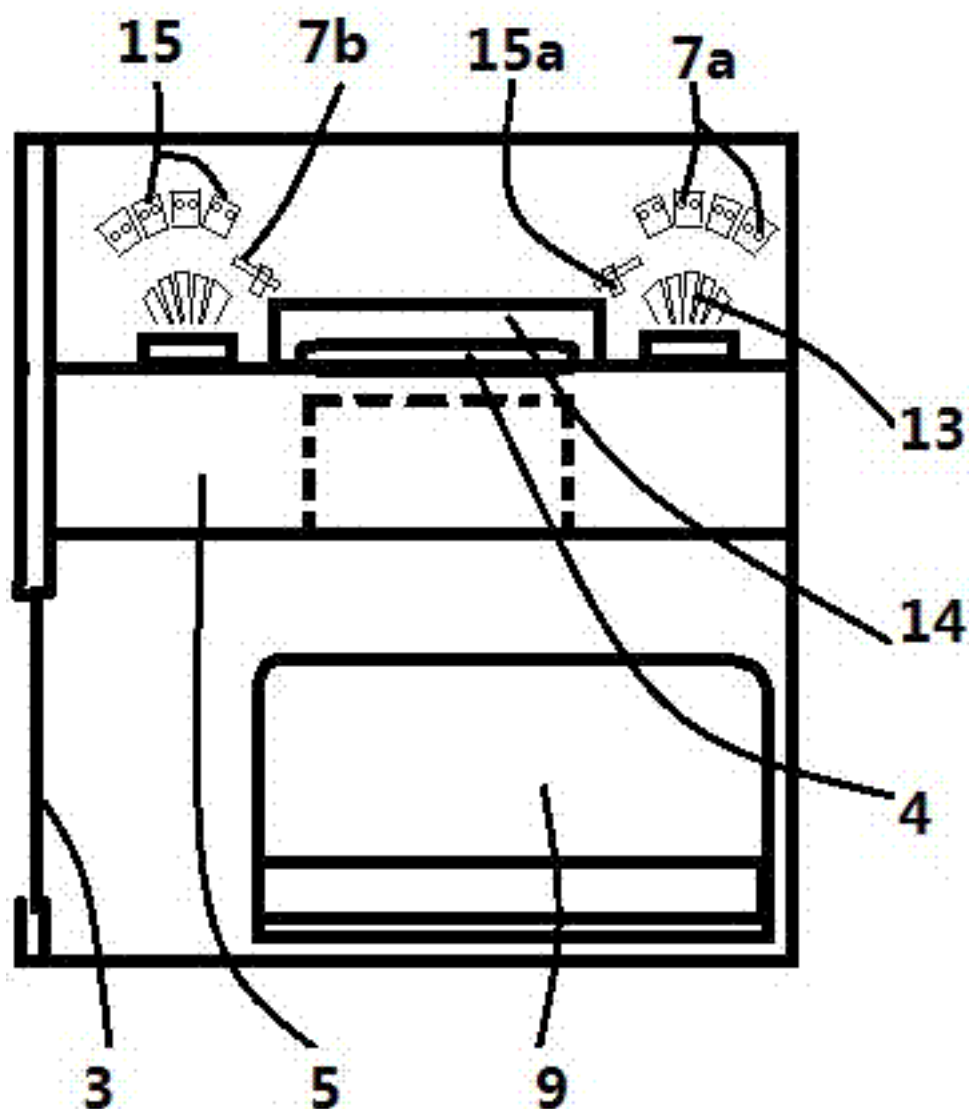
CIVIL AVIATION UNIVERSITY OF CHINA

Family 8/11 - FAMPAT - ©Questel

Title

(CN108078146)

Automatic nail beautifying machine

Images**Publication numbers with kind code & date**[CN108078146](#)

A

2018-05-29

CN108078146

**Abstract**

(CN108078146)

The invention relates to an automatic nail beautifying machine which comprises a circuit board, a CPU (central processing unit), a rail, finger fixing bodies, a motor, scanners, moving bodies, drying machines, a display screen and a seat. According to the automatic nail beautifying machine, a client area and an operating area are arranged in a shell, the seat is arranged in the client area, the operating area is divided into an upper stereoscopic nail area, a middle finger nail beautifying area, a lower foot nail beautifying area and a lower storage area, the circuit board is fixed in the operating area, the stereoscopic nail area includes a nail storage area, a grinding area, a waste area and a transportation area, working portions of the moving bodies, the scanners, the drying machines, the finger fixing bodies and foot fixing bodies are arranged in the middle finger nail beautifying area and the lower foot nail beautifying area, and a material storage tank and a waste storage tank are arranged in the lower storage area. The automatic nail beautifying machine has the advantages that design is optimized, the machine is provided with a fully automatic structure and corresponding control systems, all finger nails and all toe nails can be rapidly and simultaneously beautified, and 3D (three-dimensional) nail beautifying is achieved.

Inventors

XUAN JIANMIN

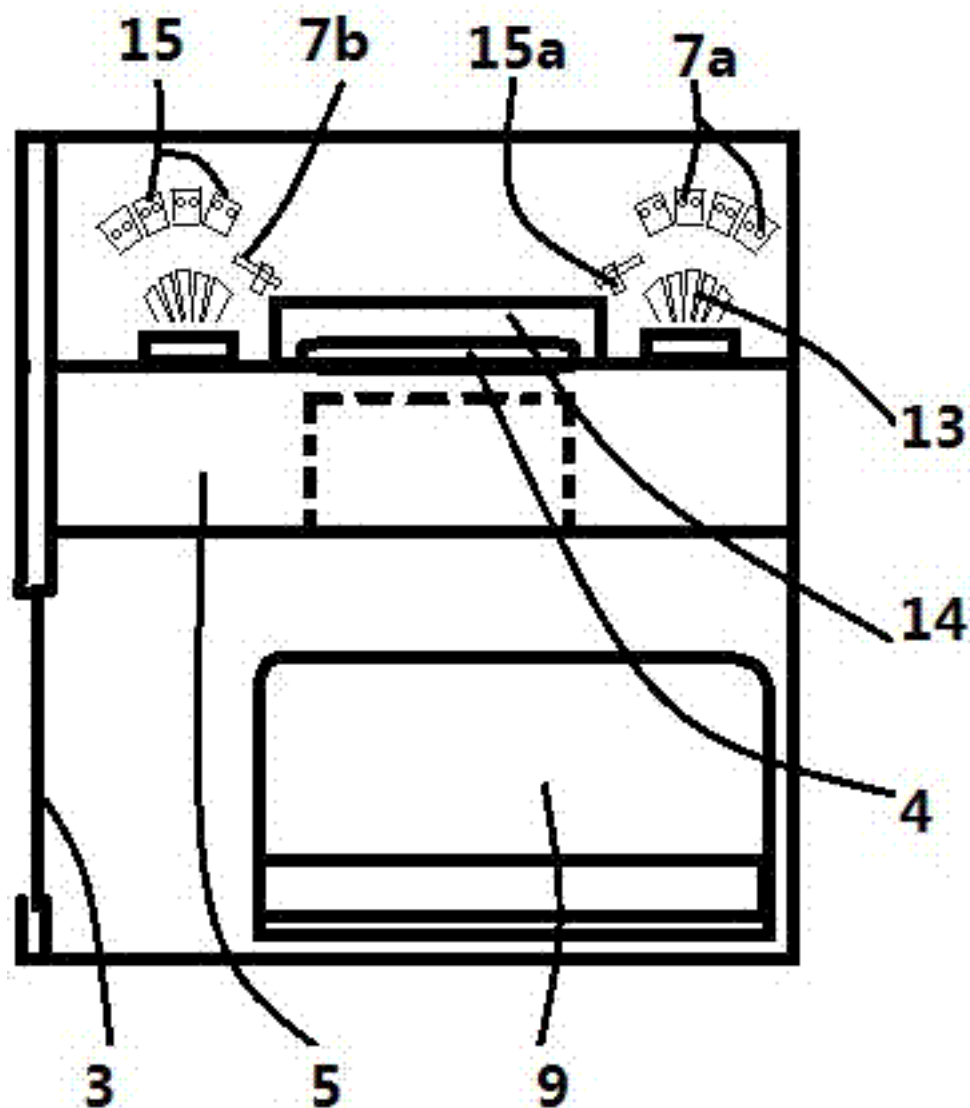
Family 9/11 - FAMPAT - ©Questel

Title

(CN207898151U)

Automatic first beautiful machine

Images



Publication numbers with kind code & date

[CN207898151](#)

U

2018-09-25

[CN207898151U](#)



Abstract

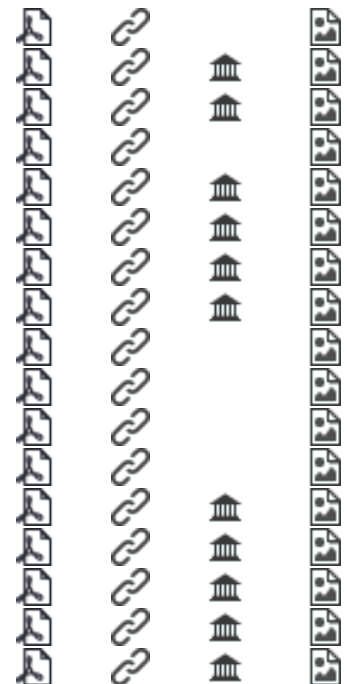
The utility model relates to an automatic first beautiful machine, it includes: circuit board, CPU, track, indicate the body, motor, scanner, moving body, drying -machine, display screen and seat admittedly. Wherein, automatic first beautiful machine has arranged in the shell that client distinguishes and the operating area, client has arranged the seat in the district, the operating area is divided into the three -dimensional nail district in upper portion, middle part finger mei jia district and lower part foot meijia district and memory area, the operating area is fixed with circuit board and moving body and corresponding work portion, there are chu jiaqu, polishing area, wastes material district and transportation area in three -dimensional nail district, middle part finger mei jia district and lower part foot meijia district arrange the moving body work portion and scanner, drying apparatus, admittedly indicate the body and admittedly the foot personally experience sth. Part of the body, material storage jar and wastes material storage jar have been arranged to the lower part memory area. Its advantage is: through the optimal design, utilize full -automatic structure and corresponding control system, can carry out full finger and full toe U. S. A first fast, simultaneously, including 3D beautiful first.

XUAN JIANMIN

Images

file= via (internet)= recipient receives=

KR20130124572	A	2013-11-14	KR20130124572
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Inventors

KAYS STEVEN

Latest standardized assignees - inventors removed

KAYS STEVEN

Family 11/11 - FAMPAT - ©Questel

Title

(CA2689757)

Adaptive electronic design

Images

FIGURATIVE DRAWINGS TABLE OF CONTENTS:

5

Adaptive Design Drawings #1, #2, #3.

Specific Invention Number Figures In Traditional Diagram Format. Invention Numbers: YOKU1 thru YOKU46

10

DOS Series Drawings: Originated in the early 1990's the following files were connected by way of dots in DO Files: 1BD, 1CD, 2BD, 3CD, 6BD, 8BD, B7.

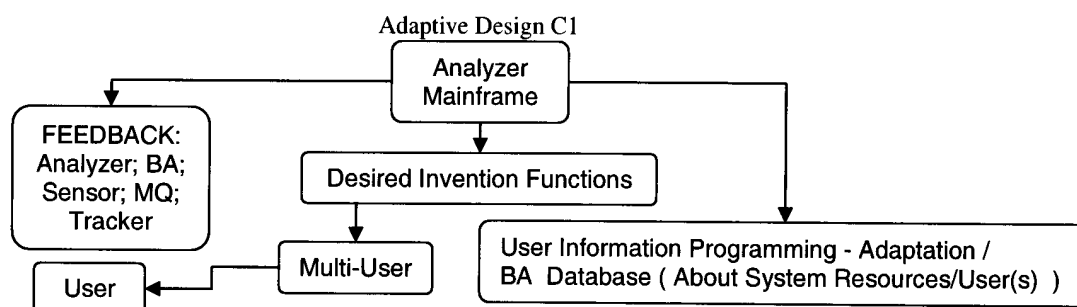
Features Simplified Figurative Drawings – B1 Series

5

Note, other drawings are currently listed elsewhere in this application as it helps to better understand this application. For now, they can be identified by the page and line number. The codes used in these drawings are explained in the introduction's Figurative Drawings file.

20

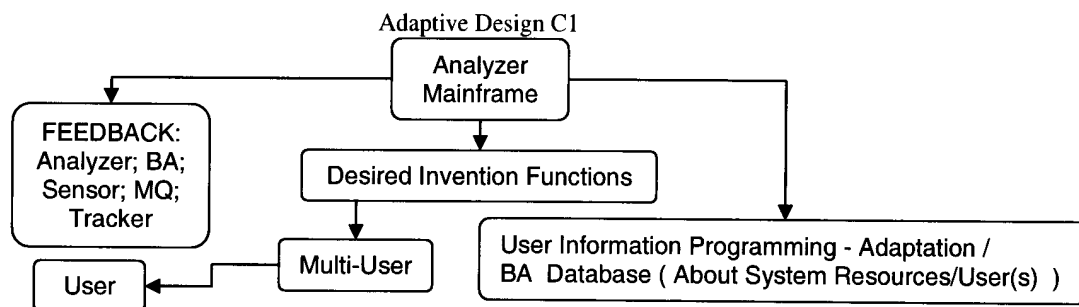
ADAPTIVE DESIGN FIGURATIVE DRAWINGS



FIGURATIVE DRAWINGS TABLE OF CONTENTS:

- 5 Adaptive Design Drawings #1, #2, #3.
- Specific Invention Number Figures In Traditional Diagram Format. Invention Numbers: YOKU1 thru YOKU46
- 10 DOS Series Drawings: Originated in the early 1990's the following files were connected by way of dots in DO Files: 1BD, 1CD, 2BD, 3CD, 6BD, 8BD, B7.
- Features Simplified Figurative Drawings – B1 Series
- 5 Note, other drawings are currently listed elsewhere in this application as it helps to better understand this application. For now, they can be identified by the page and line number. The codes used in these drawings are explained in the introduction's Figurative Drawings file.

20

ADAPTIVE DESIGN FIGURATIVE DRAWINGS

1324

Publication numbers with kind code & date[CA2689757](#)

A1 2009-01-18

CA2689757

**Inventors**

KAYS STEVEN C