

PatBase - Search results 30 November 2018

Search query (10): fn=(72174125:10 or 72066822:10 or 72058416:10 or 72016817:10 or 72015094:10 or 72012613:10 or 72012490:10 or 72002429:10 or 71997784:10 or 71950212:10 or 71949434:10 or 71949425:10 or 71949422:10 or 71931853:10 or 71914080:10 or 71912986:10 or 71908735:10 or 71894909:10 or 71883609:10 or 71871528:10 or 71864325:10 or 71852503:10 or 71815111:10 or 71755920:10 or 71752931:10 or 71751805:10 or 71750734:10 or 71714791:10 or 71696994:10 or 71695820:10 or 71669697:10 or 71643388:10 or 71639060:10 or 71638314:10 or 71637541:10 or 71633642:10 or 71633400:10 or 71606551:10 or 71597112:10 or 71568474:10 or 71556773:10 or 71551052:10 or 71483583:10 or 71474242:10 or 71470419:10 or 71467106:10 or 71379678:10 or 71342959:10 or 71288502:10 or 71257200:10 or 71231928:10 or 71093005:10 or 71089074:10 or 71078424:10 or 70959347:10 or 70957548:10 or 70941525:10 or 70917057:10 or 70917022:10 or 70916151:10 or 70862745:10 or 70859204:10 or 70848684:10 or 70812198:10 or 70802445:10 or 70731704:10 or 70697785:10 or 70692980:10 or 70672982:10 or 70669915:10 or 70593078:10 or 70497803:10 or 70482496:10 or 70482433:10 or 70450007:10 or 70408379:10 or 70405893:10 or 70296964:10 or 70271593:10 or 70231018:10 or 70171904:10 or 70146181:10 or 70123979:10 or 70123168:10 or 70083329:10 or 70058421:10 or 70049642:10 or 69919624:10 or 69886534:10 or 69875417:10 or 69757991:10 or 69756926:10 or 69741010:10 or 69726377:10 or 69644269:10 or 69629855:10 or 69624848:10 or 69531193:10 or 69478478:10 or 69393508:10)

Results: 100**Search history**

Search biosensor and coffee (Results 297)

1:

Search 1 and arduino (Results 1)

2:

Search [SP]: sistema biosensor para la deteccion de ocratoxina a (ota) en cafe de consumo internobiosensor system for the detection of ochratoxin a (ota) in coffee internal consumptionla presente invencion se refiere a un sistema biosensor para la deteccion de ocratoxina a (ota) en cafe de consumo interno, se baso en el empleo de electronica para la elaboracion de una tarjeta controladora de la senal electroquimica, impresion de un sistema de tres electrodos por la tecnica de serigrafia con modificacion del electrodo de trabajo a partir de la fijacion enzimatica (enzima peroxidasa) y programacion en arduino y processing para el procesos de digitalizacion de las senales. el analisis de esta micotoxina en alimentos es realizado a traves de cromatografia de liquidos de alta resolucion (hplc). este metodo es costoso y requiere mayor tiempo, por lo tanto se desarrollo un biosensor de bajo costo acompanado de un dispositivo de minima instrumentacion en micropolarografia (mimp) para analizar la ota. de esta manera se han obtenido analisis voltamperometricos de cumarina y ota, la elaboracion del circuito electrico del mimp, el diseno del biosensor serigrafado con la enzima peroxidasa como bioreceptor, el adelanto del perfil de riesgo "ocratoxina a en cafe" y el analisis de ota por hplc. estos datos resultan claves durante la investigacion por que el analito puede ser monitoreado por una hidrolisis acida de amidas, al estar compuesta por un grupo fenilalanina y un grupo cumarico, generando con ello la disminucion significativa en los costos y tiempos de analisis respecto al analisis cromatografico. the present invention relates to a biosensor system for the detection of ochratoxin a (ota) in coffee internal consumption, was based on the use of electronics for the elaboration of a controller card of the electrochemical signal, printing of a three-electrode system by screen printing technique with modification of the working electrode from the fixation enzyme (peroxidase enzyme) and programming the arduino and processing for the scan processes of the signals. the analysis of this mycotoxin in food is made through high-performance liquid chromatography (hplc). this method is costly and requires more time, therefore developed a low-cost biosensor accompanied by a minimum device instrumentation in micropolarografia (mimp) to analyze the ota. in this way voltamperometricos of coumarin and ota analysis have been obtained, the development of the electrical circuit of the mimp, the design of the printed with the peroxidase enzyme biosensor as bioreceptor, the advancement of the risk profile "ochratoxin a in coffee" and ota analysis by hplc. these data are keys during the investigation in that the analyte may be monitored by a hydrolysis of amides, being composed of a group phenylalanine and a coumaric acid, thereby generating the significant decrease in costs and shorter analysis times with respect to the chromatographic analysis. (Results 0)

Search 1 and wireless (Results 106)

4:

Search 4 and bluetooth (Results 71)

5:

Search 5 and computer (Results 70)

6:

Search fn=(70158303) (Results 1)

7:

Search fn=(70158303:20 or 2150142:20 or 72156302:10 or 72073721:10 or 72033038:10 or 72025930:10 or 71969953:10 or 71969938:10 or 71882809:10 or 71881943:10 or 71878816:10 or 71876081:10 or 71790820:10 or 71725384:10 or 71700881:10 or 71665296:10 or 71637364:10 or 71614295:10 or 71613180:10 or 71607661:10 or 71598056:10 or 71499298:10 or 71494594:10 or 71454266:10 or 71447156:10 or 71435336:10 or 71422839:10 or 71421700:10 or 71412310:10 or 71411308:10 or 71410043:10 or 71394454:10 or 71305125:10 or 71277538:10 or 71153240:10 or 71078465:10 or 70936931:10 or 70899346:10 or 70853336:10 or 70845782:10 or 70823581:10 or 70748719:10 or 70711652:10 or 70669880:10 or 70637084:10 or 70637082:10 or 70637079:10 or 70637074:10 or 70592249:10 or 70552950:10 or 70536096:10 or 70477593:10 or 70451804:10 or 70238342:10 or 70198058:10 or 70187537:10 or 70161791:10 or 70100220:10 or 70081488:10 or 70081465:10 or 70072101:10 or 70071966:10 or 70061909:10 or 70027715:10 or 70021185:10 or 70014921:10 or 69992165:10 or 69986744:10 or 69982299:10 or 69982066:10 or 69952320:10 or 69897294:10 or 69864687:10 or 69854657:10 or 69825354:10 or 69823612:10 or 69823350:10 or 69806602:10 or 69743033:10 or 69736157:10 or 69727126:10 or 69706426:10 or 69656841:10 or 69564397:10 or 69562545:10 or 69551352:10 or 69464020:10 or 69432874:10 or 69432104:10 or 69388073:10 or 69281517:10 or 69220685:10 or 69192879:10 or 69028738:10 or 68907932:10 or 68891777:10 or 68891775:10 or 68891773:10 or 68862857:10 or 68805740:10) (Results 100)

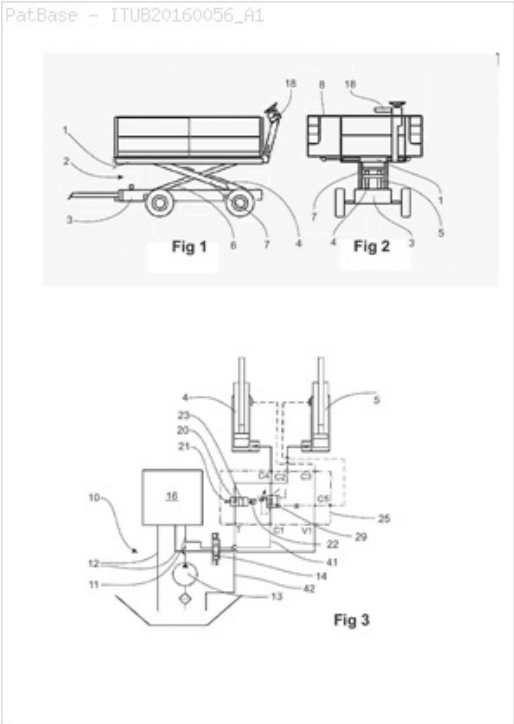
Search FT=(harvester and telescopic and (nut or coconut)) and IC=(A01D) (Results 139)

9:

Search fn=(72174125:10 or 72066822:10 or 72058416:10 or 72016817:10 or 72015094:10 or 72012613:10 or 72012490:10 or 72002429:10 or 71997784:10 or 71950212:10 or 71949434:10 or 71949425:10 or 71949422:10 or 71931853:10 or 71914080:10 or 71912986:10 or 71908735:10 or 71894909:10 or 71883609:10 or 71871528:10 or 71864325:10 or 71852503:10 or 71815111:10 or 71755920:10 or 71752931:10 or 71751805:10 or 71750734:10 or 71714791:10 or 71696994:10 or 71695820:10 or 71669697:10 or 71643388:10 or 71639060:10 or 71638314:10 or 71637541:10 or 71633642:10 or 71633400:10 or 71606551:10 or 71597112:10 or 71568474:10 or 71556773:10 or 71551052:10 or 71483583:10 or 71474242:10 or 71470419:10 or 71467106:10 or 71379678:10 or 71342959:10 or 71288502:10 or 71257200:10 or 71231928:10 or 71093005:10 or 71089074:10 or 71078424:10 or 70959347:10 or 70957548:10 or 70941525:10 or 70917057:10 or 70917022:10 or 70916151:10 or 70862745:10 or 70859204:10 or 70848684:10 or 70812198:10 or 70802445:10 or 70731704:10 or 70697785:10 or 70692980:10 or 70672982:10 or 70669915:10 or 70593078:10 or 70497803:10 or 70482496:10 or 70482433:10 or 70450007:10 or 70408379:10 or 70405893:10 or 70296964:10 or 70271593:10 or 70231018:10 or 70171904:10 or 70146181:10 or 70123979:10 or 70123168:10 or 70083329:10 or 70058421:10 or 70049642:10 or 69919624:10 or 69886534:10 or 69875417:10 or 69757991:10 or 69756926:10 or 69741010:10 or 69726377:10 or 69644269:10 or 69629855:10 or 69624848:10 or 69531193:10 or 69478478:10 or 69393508:10) (Results 100)

Title: SISTEMA PER L'ABBASSAMENTO DI EMERGENZA DI UNA PIATTAFORMA DI LAVORO ANCHE NELLA VERSIONE DI CARRO PER LA RACCOLTA DELLA FRUTTA, PER IL DIRADAMENTO, LA POTATURA ED ALTRE OPERAZIONI RELATIVE AL FRUTTETO System for the emergency lowering of a work platform also in version of wagon for collection of fruit, for the thinning, PRUNING AND OTHER OPERATIONS RELATING TO THE ORCHARD (Machine translation)

Classifications:
International (IPC 8-9): A01D46/20 B66F11/04 (Advanced/Invention)
CPC: A01D46/20 B66F11/042 B66F17/006



Family:

Publication number	Publication date	Application number	Application date
ITUB20160056 A1	20170722	IT2016UB00056	20160122

Priority:
IT2016UB00056 20160122

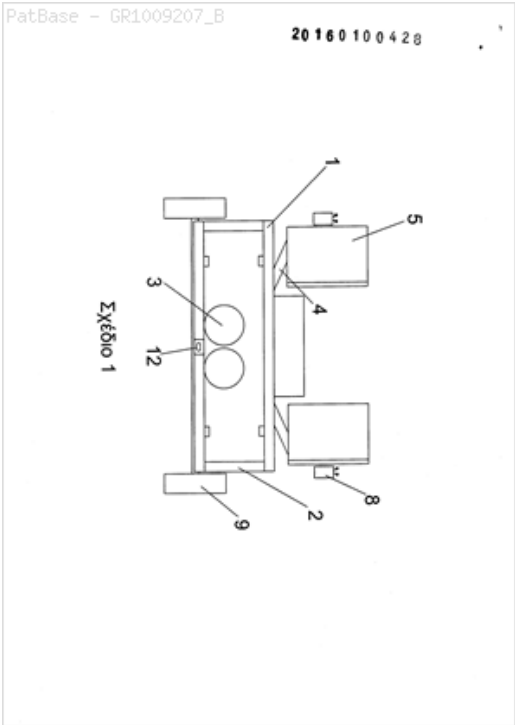
Probable Assignee: FESTI DI FESTI ROBERTO AND C S N C FLLI
Assignee(s): (std): FESTI DI FESTI ROBERTO AND C S N C FLLI
Assignee(s): FESTI DI FESTI ROBERTO AND C SNC FLLI
Inventor(s): (std): FESTI MAURIZIO

Title: HOISTING PLATFORM FOR THE GATHERING OF FRUITS AND THE PRUNING AND THINNING OF TREE CULTIVATIONS

Abstract: The invention relates to a device composed of the hoisting platform 1 connected via an oil hydraulic system to the agricultural tractor, which hydraulic system assists -except for movement- the hoisting of the above platform with the aid of two hydraulic cylinders 3 found on the base thereof. The height of the platform is adjusted by a lever encountered at the agricultural tractor. Said platform has two lateral working places 5 which are located on arms having two controls 8: a first control assisting the overlapping of the arm at the middle and the inclination thereof over the 180 degrees, and a second control respectively assisting the horizontal 150-deg inclination of the arm. Both controls cooperate in order to obtain to a nicety the desired inclination point.

Classifications:

International (IPC 8-9): A01D46/20 B66F11/04
B66F17/00 (Advanced/Invention)
CPC: A01D46/20 B66F11/04 B66F17/00



Family:

Publication number	Publication date	Application number	Application date
GR1009207 B	20180205	GR20160100428	20160803

Priority:

GR20160100428 20160803

Probable Assignee: OIKONOMIDIS ILIAS IRAKLI

Assignee(s): (std): OIKONOMIDIS ILIAS IRAKLI ; OIKONOMIDIS IRAKLIS PAGKRATIOU ; OIKONOMIDOU DIMITRA IRAKLI

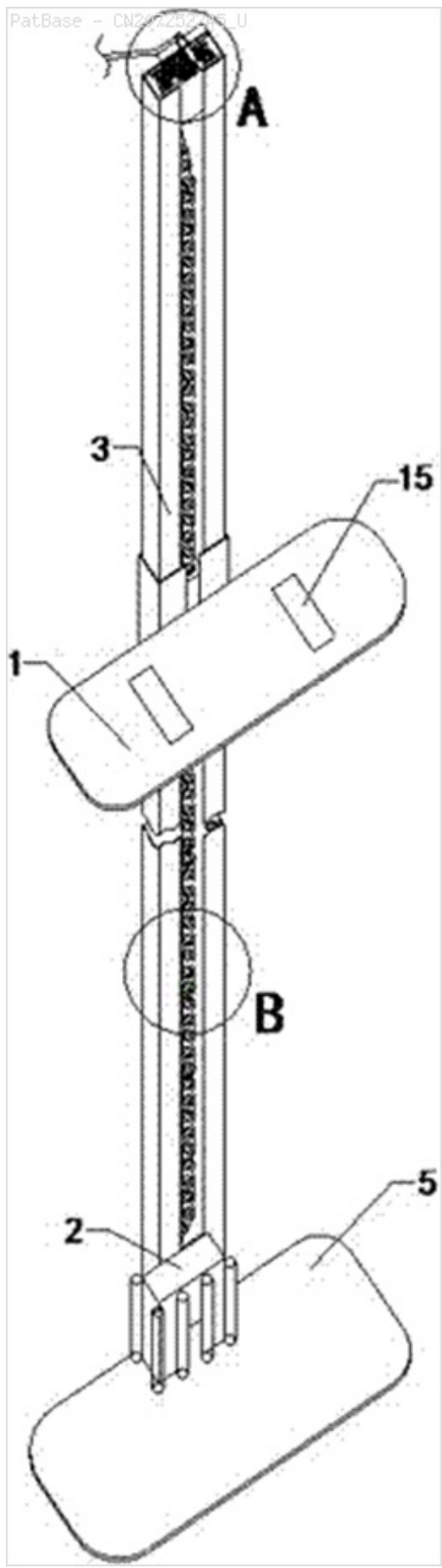
Inventor(s): (std): OIKONOMIDIS ILIAS IRAKLI ; OIKONOMIDIS IRAKLIS PAGKRATIOU ; OIKONOMIDOU DIMITRA IRAKLI

Title: A SPECIAL ELEVATING GEAR FOR PICK

Abstract: The utility model relates to a lift adjustment auxiliary equipment's technical field especially relates to a special elevating gear for pick, and its locking device control is comparatively convenient to reliability when the improvement user uses, and improve work efficiency, including last locking transmission mode piece, well slip load module, lower transmission mode piece, lift main part, chain transmission mode piece and base, on lock the transmission mode piece and include transmission and locking equipment, the transmission includes the mount, between the dotted pin, transmission shaft and gear, locking equipment fills up including the locking, the stop pin, locking spring and locking handle, be provided with the shaft hole on the mount, in filling up, the locking is provided with the through -hole, the locking spring is located the through -hole inside wall, locking handle and stop pin hub connection, and the stop pin passes the locking spring in the through -hole, be provided with first pinhole on the transmission shaft, be provided with the second pinhole on the gear, first pinhole is adjusted well with the second pinhole, the stop pin inserts to first pinhole and the second pinhole inside.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207252245 U	20180420	CN201721205597U	20170920

Priority:

CN201721205597U 20170920

Probable Assignee: FARM PRODUCT STORAGE AND FRESHENING INST SHANXI ACADEMY OF AGRICULTURAL SCIENCES

Assignee(s): (std): FARM PRODUCT STORAGE AND FRESHENING INST SHANXI ACADEMY OF AGRICULTURAL SCIENCES

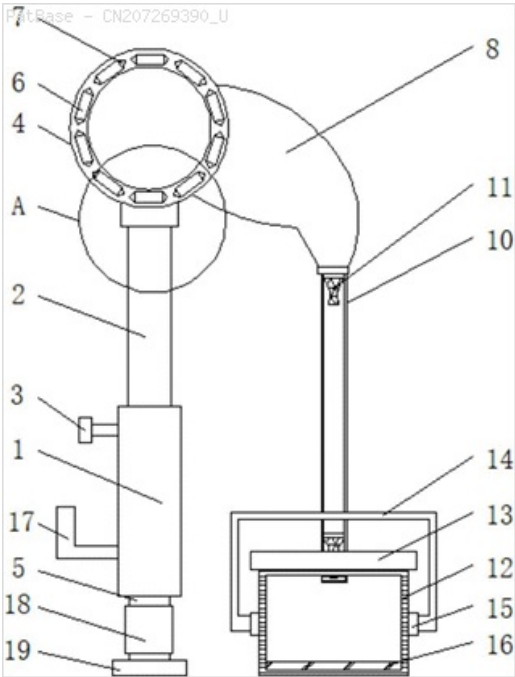
Inventor(s): (std): BAI YUHAO ; HE XIAOXIAO ; SHI LEI ; TIAN QIAN ; ZHANG JINGSHE

Title: WARE IS PICKED TO HIGH -EFFICIENT KIWI FRUIT OF PICKING

Abstract: The utility model relates to the technical field of agricultural machinery, and disclose a ware is picked to high -efficient kiwi fruit of picking, including flexible post, the bottom fixedly connected with handle of flexible post, spiral shell rasp bar fixedly connected with telescopic link is passed through to the inside of flexible post, and the top of telescopic link is passed through connecting block fixedly connected with and is picked the frame, picks the positive fixedly connected with fixture block of frame, the equal fixedly connected with blade in both sides of fixture block, the back fixedly connected with who picks the frame collects the net, collects the net and keeps away from the one end of picking the frame and manage fixedly connected with collecting box through leadingthe fruit. The utility model discloses a blade on the adjacent fixture block cuts off resolute stalk of kiwi fruit, has made things convenient for the harvesting to the kiwi fruit, has to need not tocontact the advantage that just can pick the kiwi fruit with hand and kiwi fruit, nets and lead the inside that collecting box was collected to the kiwi fruit after the fruit tube side just will be picked through the collection, has the advantage that need not to put down the harvesting ware kiwi fruit after alright the collection harvesting, has increased the efficiency of kiwi fruit harvesting.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207269390 U	20180427	CN201720948945U	20170731

Priority:

CN201720948945U 20170731

Probable Assignee: AMPEREX TECH LTD

Assignee(s): (std): AMPEREX TECH LTD

Assignee(s): AMPEREX TECHNOLOGY LTD ; NEW ENERGY TECHNOLOGY CO LTD XINCHANG COUNTY GOLDEN OU

Inventor(s): (std): LIU WEI

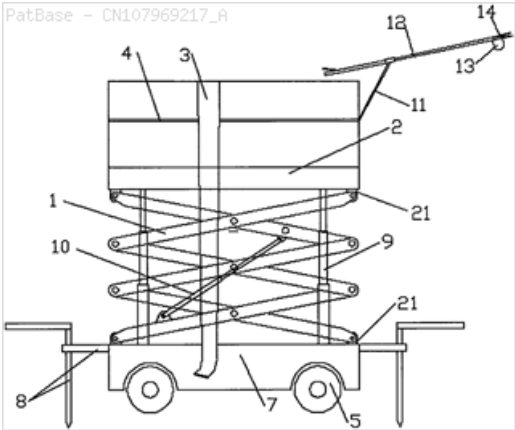
Title: INTEGRATED APPLE PICKING TABLE

Abstract: The invention discloses an integrated apple picking table. The integrated apple picking table comprises an elevating platform and a picking device. The elevating platform comprises a base, an elevating table and an elevating device. The elevating device comprises a first elevating device and a second elevating device. The first elevating device comprises elevating springs. A first air cylinder is arranged on one elevating spring. The second elevating device comprises second air cylinders, the bottoms of which are connected with the upper surface of the base. Outer end parts of air cylinder push rods of the second air cylinders are connected with the lower surface of the elevating platform. The picking device comprises a pair of picking scissors and a material falling pipe. The pair of picking scissors comprises a scissors body, a storage bag and a handle. The handle is connected with a support rod. According to the technical scheme, the integrated apple picking table is simple in structure and reliable in control. The elevating platform is small in size and convenient to carry and shuttle within an apple garden. Therefore, self-service control by a single person is realized so that apple picking efficiency is increased while labor intensity of apple picking is decreased.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/247 (Advanced/Invention)

CPC: A01D46/20 A01D46/247



Family:

Publication number	Publication date	Application number	Application date
CN107969217 A	20180501	CN201610930702	20161021

Priority:

CN201610930702 20161021

Probable Assignee: UNIV GANSU AGRICULTURAL

Assignee(s): (std): GANSU AGRICULTURAL UNIV ; UNIV GANSU AGRICULTURAL

Inventor(s): (std): UNANNOUNCED

Title: SELF-OPERATED REMOTELY-CONTROLLED BEATING MACHINE FOR FRUIT CROP

Abstract: Novelty: a tracked fruit-gathering machine is disclosed. Purpose: the invention aims at the gathering of shelled and olive fruit. Constitution: the chassis 1, the internal combustion motor 2, the feet 3, the operator's position and the control 4, the lower and upper rotation points (5, 6) whereon the fruit-gathering arm and the fruit-beating arm are respectively positioned. Advantages: fruit collection achieved by one single person in least time; optimal quality of the harvested fruit (intact fruit not coming in contact with soil humidity), least soil strain (one-stop simultaneous fruit collection from lot of trees or trees found in different levels).

Classifications:

International (IPC 8-9): A01D46/20 A01D46/26 B66F9/04 (Advanced/Invention)

CPC: A01D46/20 A01D46/26 B66F9/04

Family:

Publication number	Publication date	Application number	Application date
GR1009283 B	20180502	GR20160100622	20161208

Priority:

GR20160100622 20161208

Probable Assignee: STAVROULAKIS EVANGELOS MARKOU

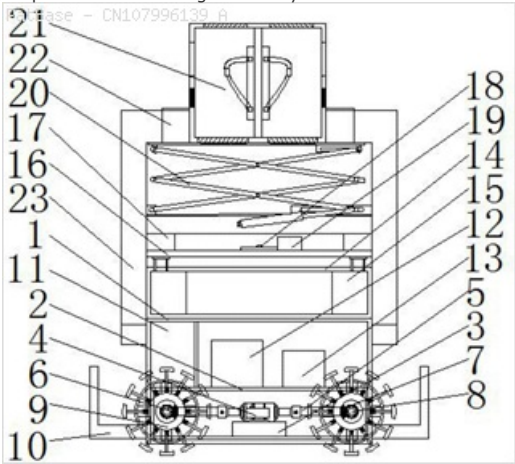
Assignee(s): (std): STAVROULAKIS EVANGELOS MARKOU

Inventor(s): (std): STAVROULAKIS EVANGELOS MARKOU

Title: AGRICULTURAL FRUIT PICKING DEVICE

Abstract: The invention discloses an agricultural fruit picking device, which comprises a bottom box; the bottom part of the inner cavity of the bottom box is fixedly connected with a driving box, and bottom parts of outer walls at both sides of the bottom box are fixedly connected with a manned table; the top part of the bottom box is fixedly connected with a horizontal adjusting box, and symmetrical position of both sides at bottom part of the inner cavity of the horizontal adjusting box is fixedly connected with a manned box; where one side of the lifting device far from a supporting table locates inthe position closing to the front face of both sides of the manned box is fixedly connected with a fruit conveying device. The invention relates to the technical field of agriculture. The device cantransport fruits from a high place and guarantee the fruit integrity, thus the fruit quality is greatly guaranteed, and the platform is horizontal and can facilitate workers to operate at the upper part; the device guarantees the life safety, facilitates the fruit picking, improves the working efficiency and saves time.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/24 (Advanced/Invention)
CPC: A01D46/24 A01D46/20



Family:

Publication number	Publication date	Application number	Application date
CN107996139 A	20180508	CN201711120404	20171114

Priority:

CN201711120404 20171114

Probable Assignee: FOSHAN JIEZHI INFORMATION TECH CO LTD

Assignee(s): (std): FOSHAN JIEZHI INFORMATION TECH CO LTD ; FOSHAN JIEZHI INFORMATION TECHNOLOGY CO LTD

Assignee(s): FOSHAN JIEZHI INFORMATION TECHNOLOGY CO

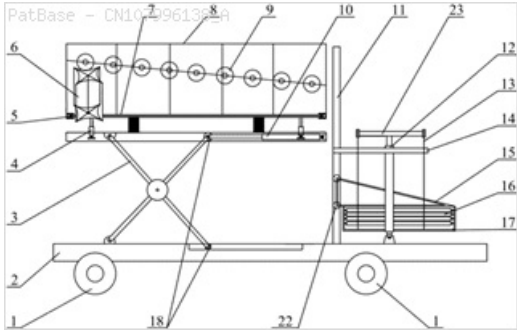
Inventor(s): (std): WANG YUHUAN

Title: MULTIFUNCTIONAL APPLE PICKUP OPERATION PLATFORM AND USING METHOD THEREOF

Abstract: The invention discloses a multifunctional apple pickup operation platform and a using method thereof. The multifunctional apple pickup operation platform comprises a picking platform and a fruit box collecting platform, wherein the picking platform and the fruit box collecting platform are fixed to a platform base, and four walking wheels are arranged on the platform base; a forked lifting support is installed on the picking platform and in cross connection through a hinge, the upper portion of the support is connected with a picking platform body, a lateral telescopic plate is installed on the picking platform, and poking wheels are arranged at the two sides of the picking platform body; the fruit box collecting platform comprises a platform body, a fixed support and a chain. A hydraulic cylinder is used for controlling the operation range of the picking platform, fruit boxes are conveyed through transmission rollers. The operation platform is used for picking operation and fruit box conveying, capable of walking freely, stable and reliable and convenient to operate, the poking wheels protect fruit trees and fruits in the walking process, the platform size can be adjusted according to different plant line spaces and different plant heights, and the operation range is enlarged.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/24 B65G13/04 B65G41/00 (Advanced/Invention)
CPC: A01D46/20 A01D46/24 B65G13/04 B65G41/003 B65G2201/0258



Family:

Publication number	Publication date	Application number	Application date
CN107996138 A	20180508	CN201711290693	20171208

Priority:

CN201711290693 20171208

Probable Assignee: UNIV QINGDAO AGRICULTURAL

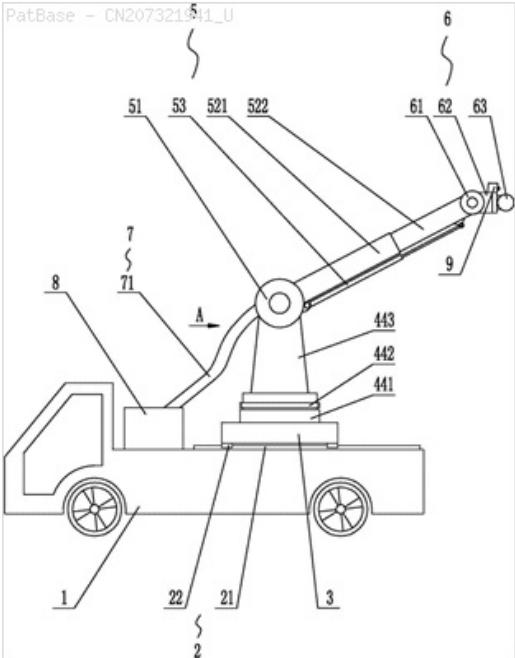
Assignee(s): (std): QINGDAO AGRICULTURAL UNIV ; UNIV QINGDAO AGRICULTURAL

Inventor(s): (std): CHEN MINGDONG ; SHANG SHUQI ; WANG DONGWEI

Title: AUTOMATIC FRUIT PICKING DEVICE OF TOWER CRANE FORMULA

Abstract: The utility model provides an automatic fruit picking device of tower crane formula, relates to an automatic fruit picking device, including transport vechicle, horizontal migration device, harvestingbase, rotary supporting means, rotatory flexible arm device, rotatory flexible harvesting device, transfer device, fruit collecting box, visual identification device, the horizontal migration deviceis installed on the transport vechicle, it installs on the horizontal migration device to pick the base, rotary supporting means installs on picking the base, the one end of rotatory flexible arm device is connected with rotary supporting means, and the other end is connected with the rotatory flexible device of picking, visual identification device installs on rotatory flexible harvesting device,the fruit collecting box sets up on the transport vechicle of horizontal migration device one side, transfer device's one end and rotatory flexible arm device are connected, and the other end is connected with the fruit collecting box, the utility model has the characteristics of intensity of labour is little, pluck efficient, guarantee fruit quality, pluck with low costs, pluck the area big, befavorable to scale and specialized to be planted etc, easily use widely.

Classifications:
International (IPC 8-9): A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207321941 U	20180508	CN201720549943U	20170517

Priority:
CN201720549943U 20170517

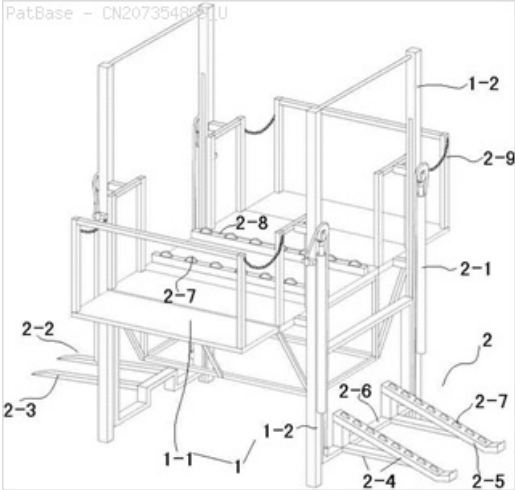
Probable Assignee: LUSHAN COLLEGE OF GUANGXI UNIV OF SCIENCE AND TECHNOLOGY
Assignee(s): (std): LUSHAN COLLEGE OF GUANGXI UNIV OF SCIENCE AND TECHNOLOGY
Inventor(s): (std): HE QIFU ; PAN YIRU ; PAN YUQIAN ; QIN SHISHENG ; SHI JIANTAO ; XU XIAOZHONG ; ZHONG LIJUN

Title: AUXILIARY ASSEMBLY IS PICKED TO VEGETABLES AND FRUITS

Abstract: The utility model provides an auxiliary assembly is picked to vegetables and fruits, including picking platform and automatic rising equipment, picking the platform and including mesa and a plurality of stand, the stand card is in the mesa both sides, mesa and ground contactless, automatic rising equipment includes drive mechanism and two supporters, each sets up drive mechanism on the stand, and drive mechanism drives the supporter and carries out the elevating movement along the stand respectively. The utility model discloses an auxiliary assembly is picked to vegetables and fruits is particularly useful for the harvesting of eminence fruit vegetables, and this auxiliary assembly can hold many people simultaneously to can carry out two harvestings that are listed as the fruit tree fruits simultaneously, and simultaneously, the utility model discloses an auxiliary assembly is picked to vegetables and fruits is provided with automatic rising equipment, can easily drop to ground with the fruit, reduces manpower output, avoids artificial transport to cause the fruit vegetables and collides with.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207354899 U	20180515	CN201721165710U	20170912

Priority:

CN201721165710U 20170912

Probable Assignee: SHAANXI CHAOYUE AGRICULTURE CO LTD

Assignee(s): (std): SHAANXI CHAOYUE AGRICULTURE CO LTD

Assignee(s): BEYOND SHAANXI AGRICULTURAL CO LTD ; SHAANXI CHAOYUE AGRICULTURE CO

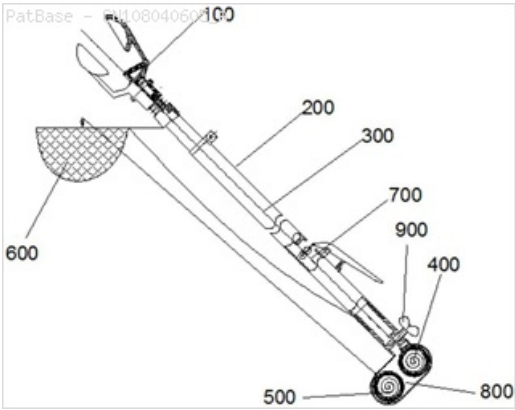
Inventor(s): (std): JING NIANGUAN ; LI CHAO ; MOU QINGWEI ; WANG YAJIE

Title: PICKER AND PICKING EQUIPMENT

Abstract: The invention provides a picker and picking equipment and relates to the technical field of the picking equipment of fruits and vegetables. The picker comprises a first claw head, a second claw head,a moving part, a first rotary sleeve, a second rotary sleeve, a first spring, a second spring, a telescopic member, a rope and a first coiling part, wherein a picking space is formed by the first clawhead and the second claw head, the first claw head is fixedly connected with the first rotary sleeve, one side of the second claw head is hinged to the first rotary sleeve, the other side of the second claw head is hinged to the moving part, the moving part is connected into the telescopic member, the first rotary sleeve is fixedly connected with the second rotary sleeve, the other end of the first rotary sleeve is connected with the telescopic member, one end of the rope is connected with the moving part, and the other end of the rope is connected with the first coiling part; the first spring is connected into a first moving groove; one end of the second spring is abutted against the other end of the second rotary sleeve, and the other end of the second spring is connected with the telescopic member. The technical problem in the prior art that damage is caused to apples by picking is solved. The picker provided by the invention can be used for carrying out picking in a hand simulated manner.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/22
A01D46/247 (Advanced/Invention)
CPC: A01D46/247 A01D46/20 A01D46/22



Family:

Publication number	Publication date	Application number	Application date
CN108040605 A	20180518	CN201810138812	20180209

Priority:

CN201810138812 20180209

Probable Assignee: UNIV HEBEI TECHNOLOGY

Assignee(s): (std): HEBEI UNIV OF TECHNOLOGY ; UNIV HEBEI TECHNOLOGY

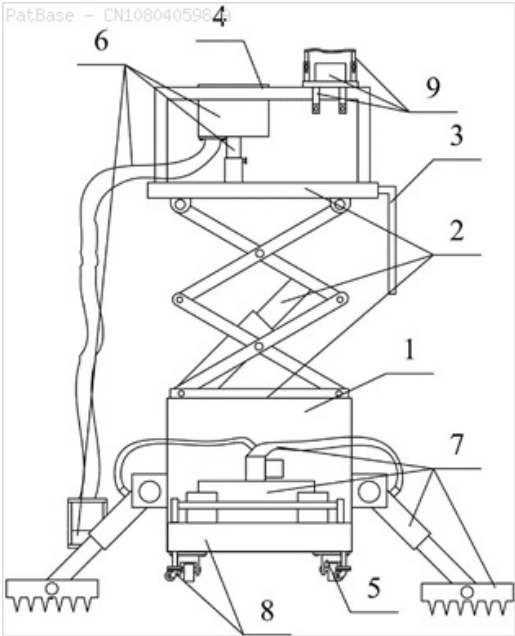
Inventor(s): (std): GAO YINGMING ; LEI YUMENG ; LI DERUN ; LUO XIANDA ; SUN JIAXING ; YU FEI

Title: MULTIFUNCTIONAL AGRICULTURAL PICKING VEHICLE

Abstract: The invention provides a multifunctional agricultural picking vehicle. The multifunctional agricultural picking vehicle comprises a vehicle body, a lifting frame, a climbing ladder, a handrail, movingwheels, a crop conveying pipe structure, a supporting plate structure, an extension picking plate structure and a placing frame structure, wherein the lifting frame is welded to the upper right part of the vehicle body. The multifunctional agricultural picking vehicle has the beneficial effects that picked crops can beconveyed from the lifting frame more conveniently through the arrangement of the crop conveying pipe structure, meanwhile the problem that the lifting frame needs to be lifted and lowered for conveying crops is avoided; and through the arrangement of the placing frame structure, tools for picking crops can be placed conveniently, and meanwhile, the tools for picking crops are convenient to fetch and place for working staffs with different height; and through the arrangement of the extension picking plate structure, the workers can pick the crops with too low height conveniently, and meanwhilethe labor intensity of the working staffs is also reduced.

Classifications:

International (IPC 8-9): A01D46/00 A01D46/20
A01D46/24 (Advanced/Invention)
CPC: A01D46/00 A01D46/20 A01D46/24 A01D46/243



Family:

Publication number	Publication date	Application number	Application date
CN108040598 A	20180518	CN201710995221	20171023

Priority:

CN201710995221 20171023

Probable Assignee:

ZHANG ZHENG

Assignee(s): (std):

ZHANG ZHENG

Inventor(s): (std):

XI XIAOXIAO ; ZHANG ZHENG

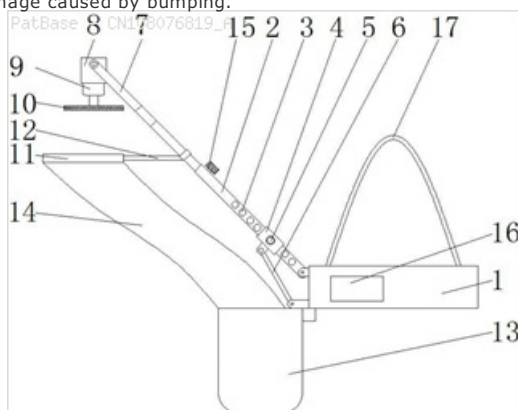
Title: PORTABLE HIGH VEGETABLE AND FRUIT PICKING DEVICE

Abstract: The invention discloses a portable high vegetable and fruit picking device. The front outer surface of a waist skirt plate is provided with a picking rod, and the rod body close to the lower end of the picking rod is provided with a sliding sleeve in a sleeve mode; a connecting rod is arranged between the sliding sleeve and the waist skirt plate; the upper end of the picking rod is provided with a Y-shaped fork rod, the fork end of the Y-shaped fork rod is provided with a balance weight, the lower end surface of the balance weight is provided with a sawing motor, and the power output shaft at the lower end of the sawing motor is provided with a sawing disc; a bearing hoop is arranged under the sawing disc; the lower portion of the front outer surface of the waist skirt plate is provided with a vegetable and fruit basket, the mouth of the vegetable and fruit basket is connected with the bearing hoop through an elastic bearing string bag. According to the portable high vegetable and fruit picking device, the waist skirt plate can conveniently fix the portable high vegetable and fruit picking device onto the body of a user, the connecting rod and the sliding sleeve can conveniently adjust the height and angle of the picking rod, the balance weight and the sawing disc can conveniently cut off branches of vegetable and fruit plants, and the elastic bearing string bag can conveniently collect vegetables and fruits to avoid damage caused by bumping.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/22 (Advanced/Invention)

CPC: A01D46/22 A01D46/20

**Family:**

Publication number	Publication date	Application number	Application date
CN108076819 A	20180529	CN201810022396	20180110

Priority:

CN201810022396 20180110

Probable Assignee: HEXIAN LVYUAN VEGETABLE PLANTATION CO LTD

Assignee(s): (std): HEXIAN LVYUAN VEGETABLE PLANTATION CO LTD

Assignee(s): COUNTY LUYUAN VEGETABLE LIABILITY CO LTD ; HEXIAN LVYUAN VEGETABLE PLANTATION CO

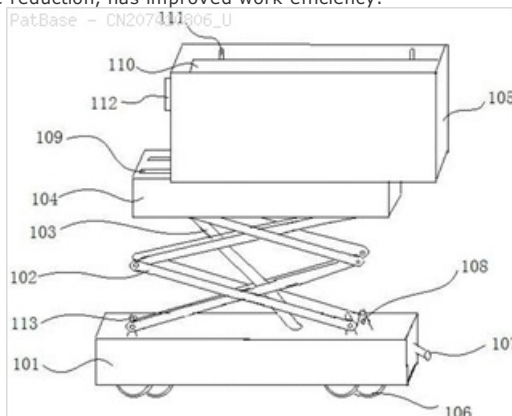
Inventor(s): (std): LI MING ; WANG CHENG ; WANG RUIJUN ; WANG SHIXIANG ; ZHAO XIONGCHENG

Title: VEGETABLES AND FRUITS PICKING CAR

Abstract: The utility model discloses a vegetables and fruits picking car, vegetables and fruits picking car include frame, crane, hydraulic pressure bracing piece, elevating platform and vasculum, wherein, the frame bottom is provided with the wheel, and frame one end or both ends are provided with the track sensor, track sensor discernment track is connected with the setting track information transmission at the inside control module of frame, control module to the setting at inside power and the motor of frame, the motor drive wheels under control module's control rotate, the top of frame is provided with the connecting block of a plurality of salients, is provided with the pivot on the connecting block, on the crane is connected to the frame through the pivot is rotatable. The top rigid coupling elevating platform of crane, rigid coupling vasculum on the elevating platform. The utility model provides a track but vegetables and fruits picking car automatic identification travels can be realized the rising of controlling the lift through touch panel simultaneously and needn't can pick the vegetables and fruits of eminence by rethread manpower transport staircase with the reduction, has improved work efficiency.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207410806 U	20180529	CN201721263165U	20170928

Priority:

CN201721263165U 20170928

Probable Assignee: BEIJING SHUIMUJIUTIAN TECH CO LTD

Assignee(s): (std): BEIJING SHUIMUJIUTIAN TECH CO LTD

Assignee(s): BEIJING SHUIMUJIUTIAN TECHNOLOGY CO ; BEIJING WATER NINE DAYS OF WOOD SCIENCE AND TECHNOLOGY CO LTD

Inventor(s): (std): WANG XIAOQING

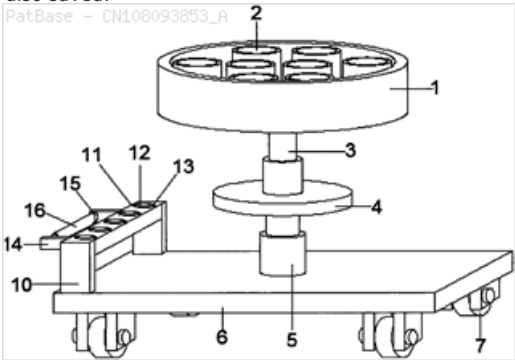
Title: AGRICULTURAL LIFTABLE FRUIT PICKING DEVICE

Abstract: The invention relates to the technical field of picking devices, in particular to an agricultural liftable fruit picking device. The device comprises a tray, fixing cylinders, an electric telescopic rod, a supporting disc, a motor, a bearing plate and universal wheels, wherein the fixed cylinders are fixedly arranged in the tray, arc-shaped fixing plates are arranged in the middle of the inner wall of each fixing cylinder, and the arc-shaped fixing plates are connected with the inner walls of the fixing cylinders through springs; the bottom of the tray is connected with the electric telescopic rod, and a motor is arranged between the supporting disc and the bearing plate; a group of vertical plates are symmetrically arranged on the right side of the upper end face of the bearing plate, and the two vertical plates are connected through a transverse plate; a group of mounting blocks are transversely and symmetrically arranged on the left end face of the transverse plate, a connecting rod is arranged between the mounting blocks, and the universal wheels are arranged at the bottom of the bearing plate. The fruit picking device has the functions of lifting and rotating; when the fruit picking device is used for picking fruits, the picked fruits can be stably and safely transported to the ground, so that it is guaranteed that the fruits are prevented from being damaged; moreover, the transportation efficiency is high, and labor is also saved.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/24 (Advanced/Invention)

CPC: A01D46/20 A01D46/24 A01D46/243



Family:

Publication number	Publication date	Application number	Application date
CN108093853 A	20180601	CN201711501033	20171231

Priority:

CN201711501033 20171231

Probable Assignee:

LI DERU

Assignee(s): (std):

LI DERU

Assignee(s):

LIDDLE CONFUCIANISM

Inventor(s): (std):

LI DERU

Title: SMART COMPREHENSIVE OPERATION PLATFORM MACHINE FOR ORCHARD

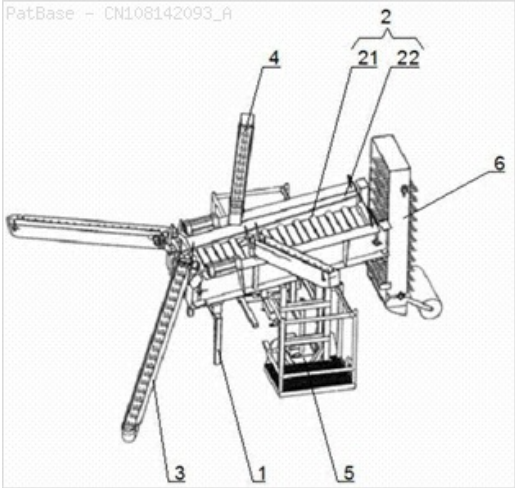
Abstract: The invention discloses a smart comprehensive operation platform machine for an orchard. A fruit-collecting conveying device is installed above a rack, a first conveying device is movably installed at one end of the fruit-collecting conveying device, the other end of the fruit-collecting conveying device is installed on a fruit-collecting device, a second conveying device is movably connected to the outer side of the middle of the fruit-collecting conveying device, a hydraulic operation platform is installed on the rack, the fruit-collecting conveying device is erected in the middle of the upper portion of the hydraulic operation platform, and the conveying length of the first conveying device is larger than that of the second conveying device. The whole set of smart comprehensive operation platform machine can be used for helping workers to rapidly pick up fruits; in the design, all-around picking is performed for fruit trees, and fruits which are obtained through high-altitude collecting and low-altitude picking are collectively conveyed into fruit boxes with low damage in diversified drive modes.

Classifications:

International (IPC 8-9): A01D46/00 A01D46/20

A01D46/24 (Advanced/Invention)

CPC: A01D46/24 A01D46/00 A01D46/20



Family:

Publication number	Publication date	Application number	Application date
CN108142093 A	20180612	CN201711403962	20171222

Priority:

CN201711403962 20171222

Probable Assignee: UNIV SHANDONG AGRICULTURAL

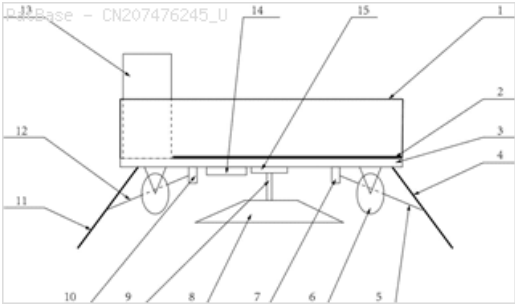
Assignee(s): (std): SHANDONG AGRICULTURAL UNIV ; UNIV SHANDONG AGRICULTURAL

Inventor(s): (std): LI JINFENG ; LIU XIANXI ; ZHANG KAIXING

Title: PORTABLE PICKER

Abstract: The utility model relates to a portable picker, including carrying platform, locating a plurality of gyro wheels, the motor that is used for the drive number and fixing device bottom the carrying platform, motor and fixing device locate carrying platform's bottom respectively. Fixing device includes first cylinder and the first telescopic link of being connected with first cylinder, and first cylinder is connected with carrying platform's bottom, and the outer end of first telescopic link is connected with the fixed block, the carrying platform up end is provided with the run switch that is used for the control motor and is used for controlling the control switch of first telescopic link. The utility model discloses simple structure, carrying platform can carry people's walking through motor -driven rollers, when moving the position of needs harvesting, props up carrying platform through first telescopic link control fixed block for the gyro wheel breaks away from ground, and picking worker can pick the enterprising flowing water of carrying platform fruit, and convenient to use need not artifical carrying back and forth, and work efficiency is high. Strutting arrangement has further improved the stability and the security of picker.

Classifications:
International (IPC 8-9): A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207476245 U	20180612	CN201721026275U	20170816

Priority:
CN201721026275U 20170816

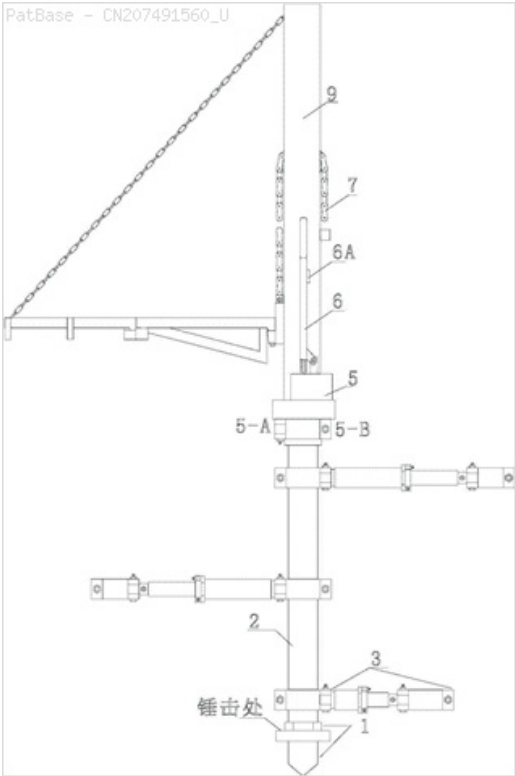
Probable Assignee:	PAN YIGENG
Assignee(s): (std):	PAN YIGENG
Assignee(s):	PAN ANTISENSE HEPTANE
Inventor(s): (std):	PAN YIGENG

Title: FRAME IS PICKED TO FRUIT

Abstract: The utility model provides a frame is picked to fruit, include the supporting mechanism and fix the elevating system at the top of supporting mechanism, elevating system includes support, lifting supporting plate and jack, the jack vertical fixation is in the bottom of support, and be in the output shaft end portion of jack is equipped with the fixed pulley, wear to be equipped with the chain on the fixed pulley, the one end of chain with support crosspiece on the support is connected, the other end and perpendicular smooth the joining in marriage of chain lifting supporting plate on the support connects, the last detachably of lifting supporting plate installs the running -board, be equipped with on the jack and be used for controlling the rocking rod of jack lift and subtracting pressurehandle. The utility model discloses frame is picked to fruit, but adopt the lateral bracing strut of scalable diversion and single -upright -column's cooperation can make the optional position of plucking the frame and standing on arbitrary topography, increase shelf overall stability. Adopt hydraulic lift mechanism can make the people in the present level of condition lower excess of not returning ground and the change of direction of height to save time and raise the efficiency.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207491560 U	20180615	CN201721608863U	20171124

Priority:

CN201721608863U 20171124

Probable Assignee:

ZHANG SHUNCHANG

Assignee(s): (std):

ZHANG SHUNCHANG

Inventor(s): (std):

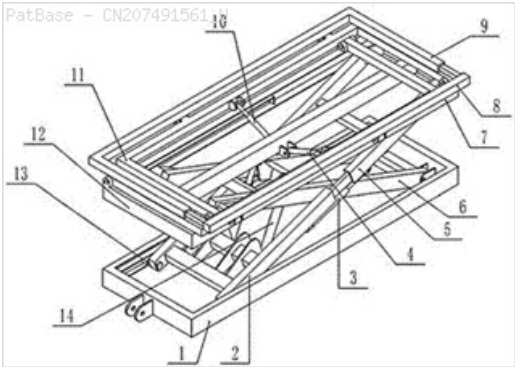
ZHANG SHUNCHANG

Title: POSTURE ADJUSTING MECHANISM OF QXCOMM TECHNOLOGY OF PLATFORM IS PICKED IN HILLY MOUNTAIN AREA ORCHARD

Abstract: The utility model discloses a posture adjusting mechanism of qxcomm technology of platform is picked in hilly mountain area orchard, this mechanism mainly includes: vertical guiding mechanism, horizontal guiding mechanism, horizontal guiding mechanism includes: upper portion frame, left side frame, left side leveling pneumatic cylinder, right side frame, left side lead aircraft frame, the short frame in right side, right side leveling pneumatic cylinder, vertical guiding mechanism includes: frame, longitudinal adjustment lower bearing bracket, lower part gyro wheel, upper portion gyro wheel inlower part frame, lifting rack, hydraulic cylinder, longitudinal adjustment pneumatic cylinder, the longitudinal adjustment, when orchard harvesting platform travel on the road surface of a slope constant angle degree, vertical guiding mechanism and horizontal guiding mechanism through controing this utility model can realize the orchard and pick the leveling of platform, had both guaranteed thatthe convenience of fruit grower's fruit harvesting had also improved the security that the platform was picked in the orchard.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207491561 U	20180615	CN201721639456U	20171130

Priority:

CN201721639456U 20171130

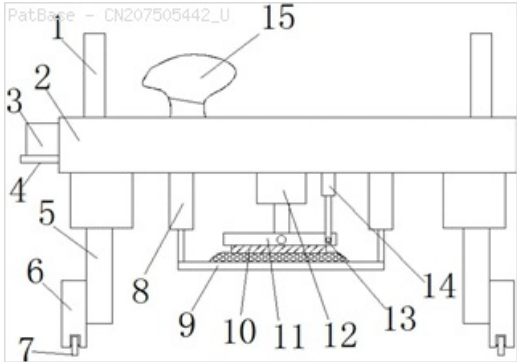
Probable Assignee: UNIV NORTHWEST A AND F
Assignee(s): (std): NORTHWEST A AND F UNIV ; UNIV NORTHWEST A AND F
Assignee(s): NORTHWEST AANDF UNIV
Inventor(s): (std): CHU GUOPING ; LIU ZHIJIE ; YANG FUZENG

Title: AUTOMATIC CHANGE HIGH TEALEAVES OF DEGREE AND PICK DEVICE

Abstract: The utility model discloses an automatic change high tealeaves of degree and pick device, the on -line screen storage device comprises a base, the rail guard of vertical setting is welded respectivelyat the top outer wall both ends of base, the top outer wall welding of base has the cushion, and the cushion is located between two rail guards, the backup pad of competent setting is all welded to the both sides outer wall bottom of base, and the top outer wall of backup pad has a motor through the screw fixation, all there is a hydraulic cylinder in the bottom outer wall four corners of base through the screw fixation, one side outer wall welding of a hydraulic cylinder has the bracing piece, the bottom outer wall of bracing piece is seted up flutedly, and the recess is inside is connectedwith the wheel through the connecting rod. The utility model discloses simple structure through adjusting a hydraulic cylinder and penumatic telescopic rod, can conveniently adjust and pluck the height, and whole design has improved work efficiency, has reduced intensity of labour, has also promoted the degree of automation of equipment.

Classifications:

International (IPC 8-9): A01D46/04 A01D46/20
A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207505442 U	20180619	CN201721271714U	20170929

Priority:

CN201721271714U 20170929

Probable Assignee: HUBEI GOLD BERRY S AND T DEV CO LTD

Assignee(s): (std): HUBEI GOLD BERRY S AND T DEV CO LTD

Assignee(s): HUBEI GOLD BERRY S AND T DEVELOPMENT CO ; HUBEI JIN BERRY TECHNOLOGY DEVELOPMENT CO LTD

Inventor(s): (std): HUANG YUANCHAO

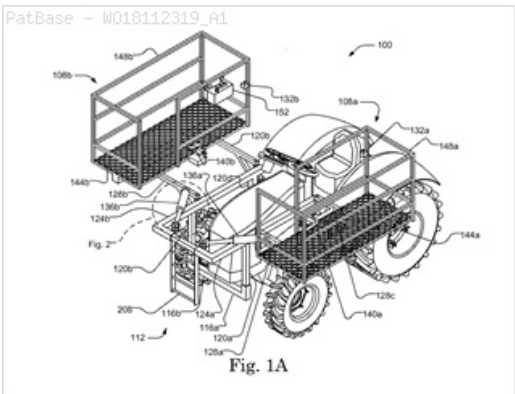
Title: WORKING PLATFORM FOR A TRACTOR

Abstract: A working platform that can be removably attached to a front portion of a utility tractor is provided in which the platform is at least horizontally adjustable, is sized to allow a user to move about on the platform, and the tractor can be controlled by a user with controls located on the platform. In addition, an automatic steering system may be included that allows the tractor to remain generally along a preselected course, such as between rows of trees or other objects. As the tractor moves down the row of an orchard, the platform can be adjusted so as to be in an appropriate position for performing work on the tree.

Classifications:

International (IPC 8-9): A01B51/00 A01B73/00 A01D46/00
A01D46/20 A01G3/08 (Advanced/Invention)

CPC: A01G3/08 A01B51/00 A01B73/00 A01D46/00



Family:

Publication number	Publication date	Application number	Application date
WO18112319 A1	20180621	WO2017US66627	20171215

Priority:

US20160434520P 20161215

Probable Assignee: ARNOLD RICHARD

Assignee(s): (std): ARNOLD RICHARD

Inventor(s): (std): ARNOLD NICHOLAS ; ARNOLD RICHARD

Agent(s): MCCABE JUSTIN W

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

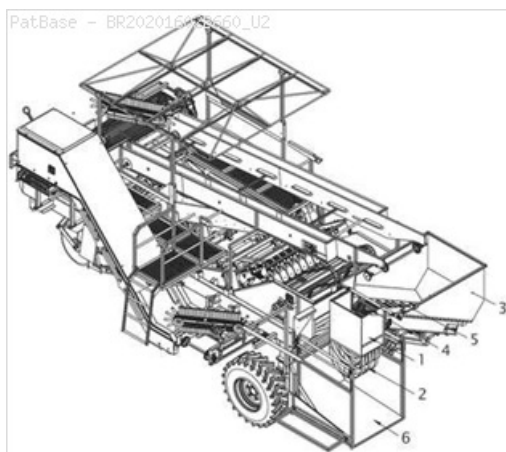
Title: DISPOSITIVO CONDUTOR AMORTECEDOR PARA BIG BAGS Conductive DEVICE BUFFER FOR BIG BAGS (Machine translation)

Abstract: Source: BR202016028660U [PT] o seguinte resumo descreve um dispositivo condutor amortecedor composto por uma calha condutora (1), onde na parte interna e inferior sao colocadas tiras de borracha (2) em tamanhos variados para diminuir a velocidade e altura de queda dos tuberculos, batatas, bulbos ou raizes, que estao armazenados em uma especie de silo pulmao (3), de onde, atraves de uma esteira transportadora (4), sao transferidos para o big bag passando pela calha condutora. **Machine translation:** The following summary outlines a damper device 1 composed of a trough conductive conductor), where lower inside and are placed rubber strips (2) in varied sizes to decrease the speed and height of fall of tubers, potatoes, bulbs or roots, which are stored in a silo species (3), where, lung through a conveyor (4), are transferred to the big bags passing through conductive trough.

Classifications:

International (IPC 8-9): A01D25/04 A01D46/20 (Advanced/Invention)

CPC: A01D25/04 A01D46/20



Family:

Publication number	Publication date	Application number	Application date
BR202016028660 U2	20180626	BR20162028660U	20161206

Priority:

BR20162028660U 20161206

Probable Assignee: HENNIPMAN MAQU PARA CONSTRUCAO CIVIL E AGRICULTURA EIRELI

Assignee(s): (std): HENNIPMAN MAQU PARA CONSTRUCAO CIVIL E AGRICULTURA EIRELI

Assignee(s): HENNIPMAN MAQUINAS PARA CONSTRUCAO CIVIL E AGRICULTURA EIRELI

Inventor(s): (std): DANIEL HENNIPMAN

Title: MULTIFUNCTIONAL TRACTOR APPLICABLE TO CLOSING TYPE ORCHARD

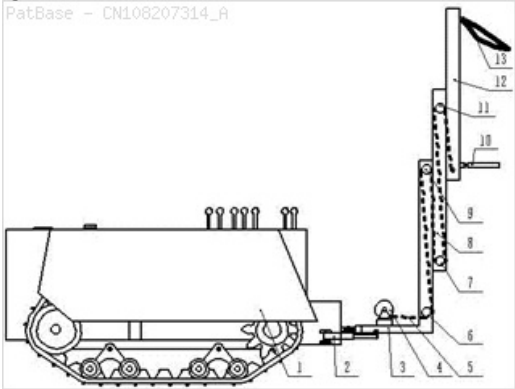
Abstract: The invention is mainly applicable to the field of agricultural equipment and relates to a multifunctional tractor applicable to a closing type orchard. The multifunctional tractor mainly comprises a tractor body, a hydraulic cylinder, a platform frame, a hydraulic motor, a steel cable, a guide wheel I, a guide wheel III, a lifting rack, a guide wheel II, a footboard, a guide wheel IV, an operation rack and a safety rope and is characterized in that the platform frame is hinged to the tractor body, and the hydraulic cylinder is hinged to the tractor body and the platform frame; the platform frame is connected with the guide wheel II and the guide wheel I, the hydraulic motor is fixed on the platform frame, and the lifting rack is connected with the platform frame; the lifting rack is connected with the guide wheel IV and the guide wheel III, and the operation rack is connected with the lifting rack. The multifunctional tractor has functions of transverse rotation and longitudinal ascending and descending and is capable of solving the problems that a traditional closing type hillside orchard has crossed branches and is narrow in space and difficult in field management.

Classifications:

International (IPC 8-9): A01D46/20 A01G3/00

A01G7/06 (Advanced/Invention)

CPC: A01D46/20 A01G3/00 A01G7/06



Family:

Publication number	Publication date	Application number	Application date
CN108207314 A	20180629	CN201810160280	20180226

Priority:

CN201810160280 20180226

Probable Assignee: UNIV NORTHWEST A AND F

Assignee(s): (std): NORTHWEST A AND F UNIV ; UNIV NORTHWEST A AND F

Assignee(s): NORTHWEST AANDF UNIV

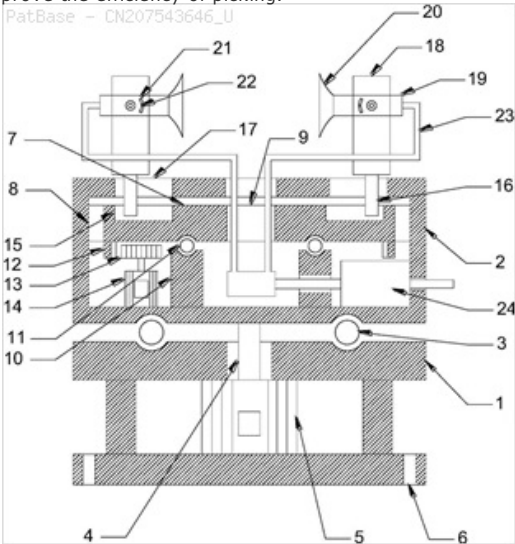
Inventor(s): (std): CHU GUOPING ; JING YAN ; LI HONGCHUN ; YANG FUZENG

Title: FRUIT IS PICKED AND IS USED MECHANICAL CLAMPING DEVICE

Abstract: The utility model discloses a fruit is picked and is used mechanical clamping device, which comprises a mounting rack. The mounting bracket top is equipped with the rotary drum, is equipped with the carousel in the rotary drum, and the arc wall that is the circumference and distributes is seted up to the carousel upper surface, the nestification has movable column in the arc wall, movable column top fixedly connected with backup pad, backup pad are rotated and are connected with the swinging head, and the inboard intercommunication of swinging head has the sucking disc. The utility model discloses a be equipped with through being equipped with sucking disc and aspiration pump, adsorb fixedly to the fruit, compare mechanical clamping, it is littleer to the damage of fruit, improve pick fruits's pleasing to the eye degree, the utility model discloses be equipped with carousel and rotary drum, be equipped with the arc wall on the carousel, be equipped with the bar on the rotary drum and lead to the groove for movable column drives the sucking disc and carries out the centre gripping to the fruit, has better adaptability, and the centre gripping is efficient, the utility model discloses be equipped with the rotation motor, drive the mounting bracket rotation, and then make fruit and fruit stalk break away from, be convenient for pick, avoid the later stage to resolute processing ofobstructing, improve the efficiency of picking.

Classifications:

International (IPC 8-9): A01D46/00 A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207543646 U	20180629	CN201721625665U	20171128

Priority:

CN201721625665U 20171128

Probable Assignee:

Assignee(s): (std):

Assignee(s):

Inventor(s): (std):

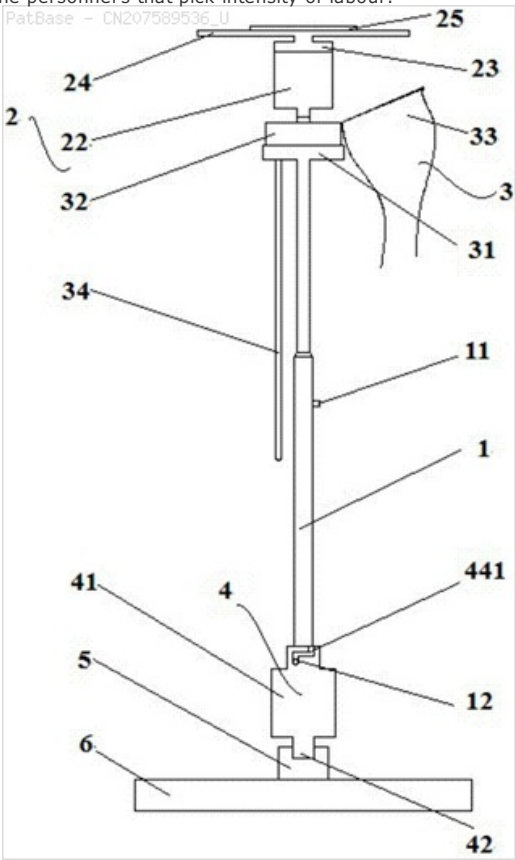
SHI JIANRUI
SHI JIANRUI
STONE JIANRUI
SHI JIANRUI

Title: SEEK STEM FORMULA POMEGRANATE AND PICK DEVICE

Abstract: The utility model discloses a seek stem formula pomegranate and pick device, including the telescopic link, the telescopic link upper end is equipped with cutting unit, is equipped with the collectorunit on the telescopic link of cutting unit below, the lower extreme fixedly connected with rotary unit of telescopic link, and the rotary unit lower extreme is articulated to have the slider, and theslider is installed on the slide rail. The utility model discloses a rhizome that seek stem formula pomegranate and pick device totality simple structure, work efficiency be high, can easily cut offthe pomegranate is and can the accurate rhizome of pursuing the pomegranate, greatly reduced the personnel's that pick intensity of labour.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/22
A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207589536 U	20180710	CN201721700598U	20171208

Priority:

CN201721700598U 20171208

Probable Assignee: CHANGAN UNIV

Assignee(s): (std): CHANG AN UNIV ; CHANGAN UNIV

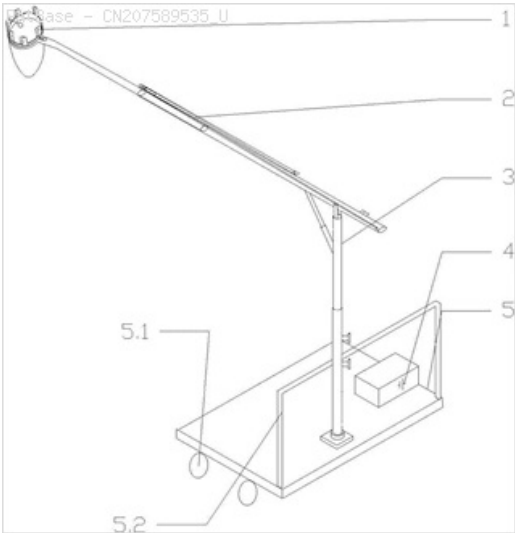
Inventor(s): (std): ZHANG QINGZHE ; ZHANG JUN ; ZHANG CHAO ; YANG JI ; WEN YANGE ; LU YAMING ; LI YIBIN

Title: NOVEL FRUIT IS PICKED DEVICE

Abstract: The utility model provides a novel fruit is picked device, includes the picking head part, plucks arm subtotal support part, still includes battery and fixed platform, wherein, picking head part is including outer cutter, outer cutter, ring gear I, gear II, motor I and collect the bag, it divides including flexible arm, bottom arm, direction stop gear, motor II and button set to pluck the arm, thesupporting part divides including last bracing piece, lower support rod, regulating locking mechanism, bearing, support base and scalable support piece, support the base with the battery is fixed infixed platform is last, and the battery is motor I and II power supplies in the motor. The utility model relates to a rationally, in pick fruits, can realize plucking work machine ization, not only save manpower and materials, also avoid the workman to climb to the tree and gone up manual harvesting, eliminate the potential safety hazard.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207589535 U	20180710	CN201721787957U	20171219

Priority:

CN201721787957U 20171219

Probable Assignee: XUZHOU COLLEGE OF INDUSTRIAL TECH

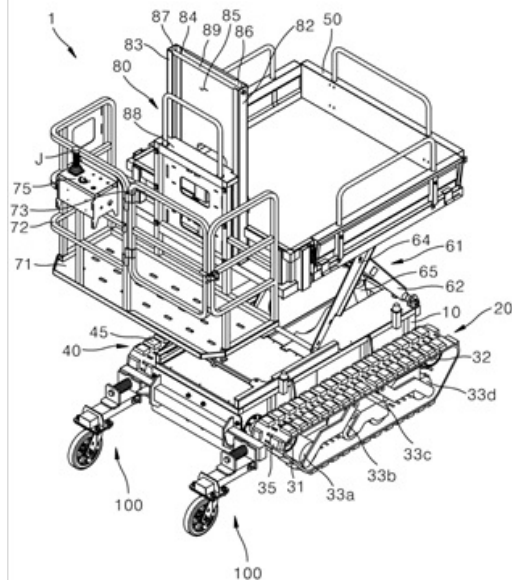
Assignee(s): (std): XUZHOU COLLEGE OF INDUSTRIAL TECH ; XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY

Inventor(s): (std): TANG RUI ; XU KEN ; YU ZHENWU ; ZHANG CHEN

Abstract: The present invention relates to a work vehicle for fruit tree cultivation and, more specifically, relates to a work vehicle for fruit tree cultivation, which can adjust a height of a loading container in which fruit is loaded and a worker to easily harvest fruit in an upper portion of a fruit tree and generally manage work. According to the present invention, the work vehicle for fruit tree cultivation can be raised higher than the loading container in which a passenger is raised to extend an area of work. Moreover, according to the present invention, a load of the work vehicle for fruit tree cultivation is stably supported by first and second load support auxiliary units to prevent a negligent accident such as rollover.

International (IPC 8-9): A01D46/20 A01D46/24 B66F11/04 B66F17/00 (Advanced/Invention)

PatBase - KR20180081422_A



Publication number	Publication date	Application number	Application date
KR20180081422 A	20180716	KR20170026515	20170228

KR20170002321 20170106 KR20170026515 20170228

L A N D S C O L T D

L A N D S C O L T D

ELAEN S WEEK ; L AND S CO

SONG HEE KWON ; CHUNG SEUNG HYUN

Title: PFLUECKWAGEN MIT GASSE PFLUECKWAGEN WITH GAS (Machine translation)

Abstract: Source: DE102017100610A1 [DE] Die Erfindung betrifft einen Pflueckwagen (1) zur Obsternte, insbesondere Apfelernte, wobei der Pflueckwagen (1) ein fahrbares Gestell (4) aufweist, auf dem ein Sammelband (5) montiert ist und geerntetes Obstgut mit dem Sammelband (5) zu einer Sammelstelle gefoerdert wird, wobei unterhalb des Pflueckwagens (1) eine Gasse (30) ausgebildet ist, die im Querschnitt ein Breite groesser 100 cm und eine Hoehe groesser 80 cm aufweist.

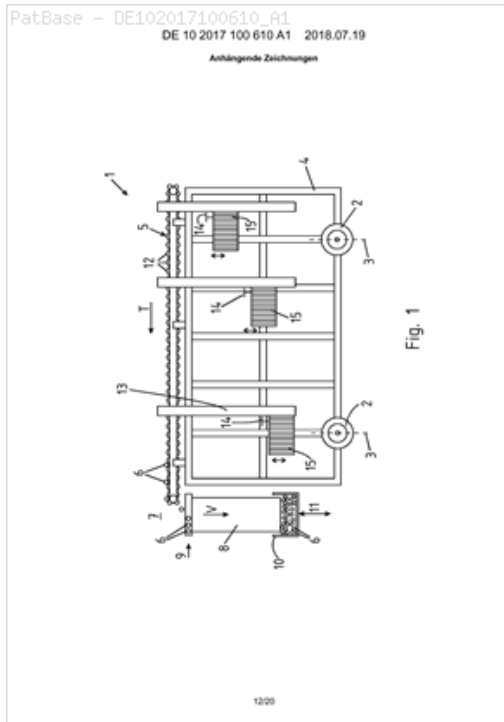
Machine translation: The invention relates to a Pflueckwagen (1) for fruit harvest, especially apple harvest, the Pflueckwagen (1) a mobile stand (4) on which is mounted a collective band (5) and harvested with the obstgut collection (5) is conveyed to a collecting point, wherein below the Pflueckwagens (1) a gas (30) is formed, in the cross-section, a width more than 100 cm and a height greater than 80 cm.

Classifications:

International (IPC 8-9): A01D46/00 A01D46/20

A01D46/24 (Advanced/Invention)

CPC: A01D46/00 A01D46/20 A01D46/24



Family:

Publication number	Publication date	Application number	Application date
DE102017100610 A1	20180719	DE201710100610	20170113

Priority:

DE201710100610 20170113

Probable Assignee:

FRITZ LANGE GMBH

Assignee(s): (std):

FRITZ LANGE GMBH

Inventor(s): (std):

ROHWEDDER JENS ; SPIES KLAUS

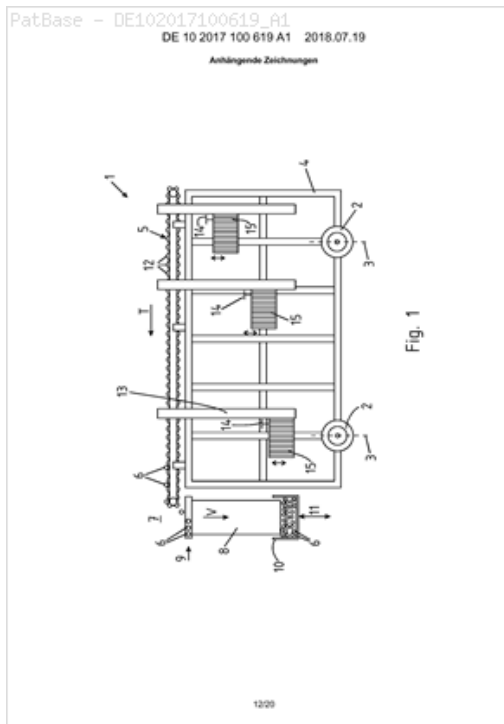
Title: PFLUECKWAGEN PFLUECKWAGEN (Machine translation)

Abstract: Source: DE102017100619A1 [DE] Pflueckwagen (1) zur Obsternte, insbesondere Apfelernte, wobei der Pflueckwagen (1) ein fahrbares Gestell (4) aufweist, auf dem ein Sammelband (5) montiert ist und geerntetes Obstgut mit dem Sammelband (5) zu einer Sammelstelle gefoerdert wird, wobei der Pflueckwagen (1) einen Vertikalforderer (8) aufweist, wobei der Vertikalforderer (8) mindestens zwei oder mehr, bevorzugt vier Schaechte (16) aufweist, wobei die Schaechte (16) eine schmale laengliche Kontur besitzen und parallel nebeneinander angeordnet sind und/oder dass seitlich des Pflueckwagens (1) Vertikalheber (13) angeordnet sind, die geerntetes Obstgut auf das oberhalb des Gestells (4) angeordnete Sammelband (5) heben. **Machine translation:** (1) for the pflueckwagen fruit harvest, especially apple harvest, the Pflueckwagen (1) a mobile stand (4) on which is mounted a collective band (5) and harvested with the obstgut collection (5) is conveyed to a collection point, the Pflueckwagen (1) a vertical conveyor (8), wherein the vertical conveyor (8) has at least two or more, preferably four slots (16), wherein the wells (16) has a narrow elongated contour and parallel are arranged adjacent to one another and/or that side of the Pflueckwagens (1) vertical lift (13) which are arranged on the obstgut harvested arranged above the cradle (4) Collection (5).

Classifications:

International (IPC 8-9): A01D46/00 A01D46/20 (Advanced/Invention)

CPC: A01D46/20 A01D46/243



Family:

Publication number	Publication date	Application number	Application date
DE102017100619 A1	20180719	DE201710100619	20170113

Priority:

DE201710100619 20170113

Probable Assignee: FRITZ LANGE GMBH

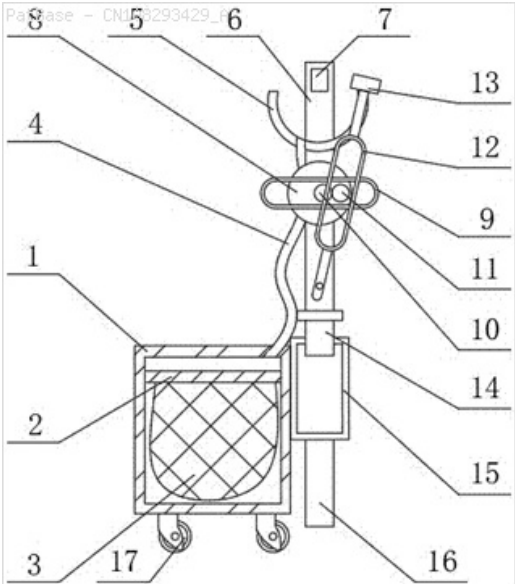
Assignee(s): (std): FRITZ LANGE GMBH

Inventor(s): (std): ROHWEDDER JENS ; SPIES KLAUS

Title: HIGH-ALTITUDE FRUIT PICKING MACHINE FOR FORESTRY

Abstract: The invention relates to the technical field of fruit picking, in particular to a high-altitude fruit picking machine for forestry. The fruit picking machine comprises a box body and a fixing plate, the inner side of the box body is fixedly connected with the fixing plate, the bottom of the fixing plate is fixedly connected with a net bag, the top of the box body is fixedly connected with a conveying pipe, and the top of the conveying pipe is fixedly connected with a fixing frame. The inner side of the fixing frame is fixedly connected with a fixing rod, the front end face of the fixing rod is fixedly connected with a knife grinding block and rotatably connected with a turntable, and the left end of the fixing rod is fixedly connected with a motor. The turntable is driven by the motor, and a cutting knife moves through fixing rings, so that fruits are picked. In the picking process, the fruits fall into the fixing frame, and damage caused when the fruits fall to the ground cannot happen; moreover, the motor is very convenient to use, reliable in work and high in efficiency so that the work time can be shortened. The high-altitude fruit picking machine for the forestry has huge economic benefits and a broad market prospect and is worthy of application and popularization.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 A01D46/24 (Advanced/Invention)
CPC: A01D46/24 A01D46/20 A01D46/22



Family:

Publication number	Publication date	Application number	Application date
CN108293429 A	20180720	CN201810221291	20180317

Priority:

CN201810221291 20180317

Probable Assignee: GUILIN SHIHUAN WASTE GAS TREAT EQUIPMENT CO LTD

Assignee(s): (std): GUILIN SHIHUAN WASTE GAS TREAT EQUIPMENT CO LTD

Assignee(s): GUILIN SHIHUAN WASTE GAS TREATMENT EQUIPMENT CO ; GUILIN CENTRAL WORLD EXHAUST GAS TREATMENT EQUIPMENT CO LTD

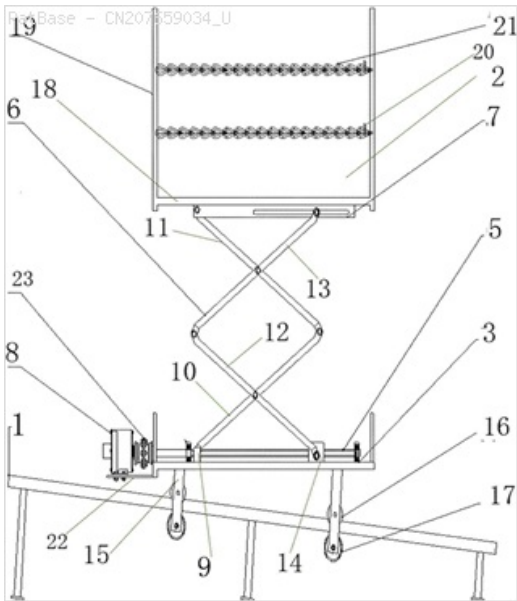
Inventor(s): (std): YANG SONG

Title: ELEVATING PLATFORM SUITABLE FOR ORCHARD CARGO AIRPLANE

Abstract: The utility model discloses an elevating platform suitable for orchard cargo airplane, including operation guide rail, elevating system and year thing coaster, elevating system includes base, base, transposition arm and motor, the transposition arm by guide arm, guide rail, slider, in first in yoke, the second yoke, first outer yoke, the outer yoke of second, supporting seat constitutes, the supporting seat is fixed on the base, the guide rail is fixed and is being carried bottom the thing coaster, slider and guide arm phase -match, the guide arm is fixed on the base, the motor passes throughthe lead screw and is connected with the slider, a pair of transposition arm be parallel to each other, two wheel arms have been welded respectively at base lower part both ends, the wheel arm is installed detachable bearing wheel and is prevented turning over the wheel, the bearing wheel installs additional on the operation guide rail, the four corners on base upper portion is equipped with the stand. The utility model has the advantages of higher stability and stronger bearing capacity, gathering range is bigger, can adapt to the simultaneous working of many people, and work efficiency is higher, and operational environment is safer.

Classifications:

International (IPC 8-9): A01D46/20 B66F11/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207659034 U	20180727	CN201721431157U	20171030

Priority:

CN201721431157U 20171030

Probable Assignee: JIANGXI YIHE AGRICULTURAL PRODUCTS TECH DEVELOPMENT CO LTD

Assignee(s): (std): JIANGXI YIHE AGRICULTURAL PRODUCTS TECH DEVELOPMENT CO LTD

Assignee(s): JIANGXI YIHE AGRICULTURAL PRODUCTS TECHNOLOGY DEVELOPMENT CO ; WO AGRICULTURAL SCIENCE AND TECHNOLOGY DEVELOPMENT CO LTD JIANGXI IRAQ

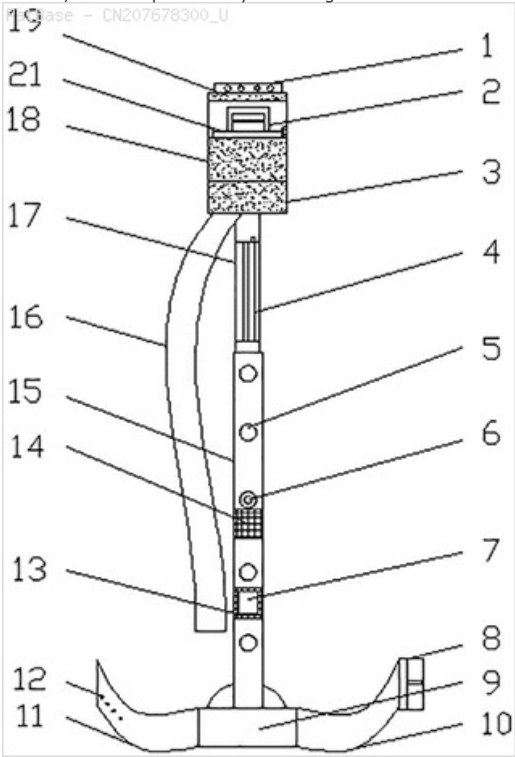
Inventor(s): (std): LIAO XIAOHONG ; LIU DELI ; TANG YIBAO ; WU JINGYU ; XU JIANGBO ; ZHONG HAO

Title: HANDHELD TYPE WALNUT PICKING MACHINE

Abstract: The utility model discloses a handheld type walnut picking machine, including fixed box, supporting seat, head rod, second connecting rod and harvesting box, the one end of supporting seat is fixed with first fixed band, and the other end of supporting seat is fixed with the second fixed band, and the upper surface of supporting seat is articulated to have a head rod, and the bottom parcel in the head rod outside has a first cover of holding, and the first top of holding the cover is equipped with the second and holds the cover, the internally mounted of head rod has the 2nd connecting rod, and the internally mounted of the 2nd connecting rod has a tubular lead -acid batteries, and the top of the 2nd connecting rod is fixed with fixed box, and the internally mounted of fixed box has a motor, the last fixed surface of fixed box has the box of harvesting, and picking head is installed through the pivot in the inside of harvesting. The utility model discloses not only can accelerate the efficiency that the walnut was picked, alleviate intensity of labour, convenient to use is convenient for collect the walnut of picking moreover, can avoid causing the damage to the walnut, and the practicality is strong.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/22 A01D46/24 F21V33/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207678300 U	20180803	CN201721770708U	20171218

Priority:

CN201721770708U 20171218

Probable Assignee:

Assignee(s): (std):

Assignee(s):

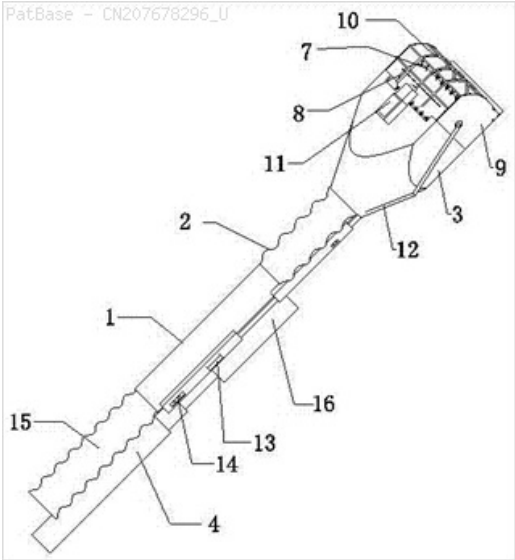
Inventor(s): (std):

AILI AISAN
AILI AISAN
ERIC MOXA HEAT
AILI AISAN

Title: ELECTRIC FRUIT PICKING MACHINE

Abstract: The utility model discloses an electric fruit picking machine relates to a agricultural technologies's horticulture instrument technical field, include: the hollow tube, half bellows, the cavity, thetelescopic link, roller bracket, electronic roller, the broach cuff, the broach, the baffle, the net of combing, wireless camera, main circuit line, switch, electrical socket connects the fruit hose,the telescopic link fixed block. The utility model provides a dedicated high efficiency, the automated tool that can pluck in succession, can not injure the fruit tree at automatic comb fruit, the synchronization of gathering, the process is simple, and the mountable is taken the photograph mutually the head and can be coordinated the cell -phone to use to guide the operation, and electronic collection rate saves artifically, makes the work become light high -efficient, also can bring extensive economic benefits.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 H04M1/725 H04N5/225 H04N7/18 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207678296 U	20180803	CN201721852737U	20171227

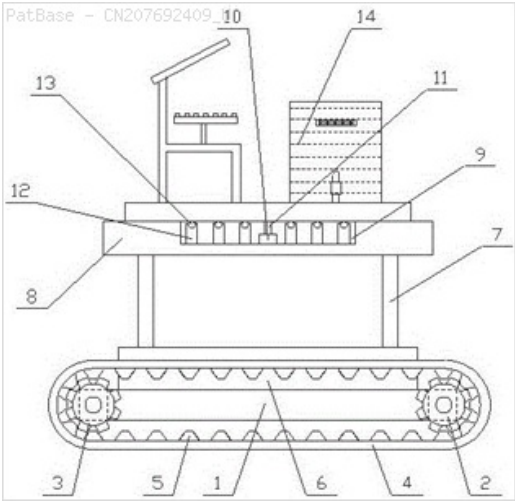
Priority:
CN201721852737U 20171227

Probable Assignee: HENAN TIANCHENG PIGEON IND CO LTD
Assignee(s): (std): HENAN TIANCHENG PIGEON IND CO LTD
Assignee(s): TIANCHENG CO LTD HENAN PIGEON ; HENAN TIANCHENG PIGEON IND CO
Inventor(s): (std): WANG YUE ; YANG JINGJING ; YANG LINHAN ; YANG QIAN ; YANG WENYUAN ; YANG ZIYU

Title: A composition based networked intelligent fruit picking mechanical devices for garden (Machine translation)

Abstract: Source: CN207692409U **Machine translation:** The utility model relates to a networking-based intelligent machine for garden fruit picking device, comprising a base, a support block, platform, picking mechanism, two moving mechanism and two lifting mechanism, lifting mechanism includes a drive unit and a telescopic unit, two telescopic unit comprises a strut, slide, fixed block, telescopic frame, a second indentation, the sliding ring and the slider mechanism includes a picking plate, seat, armrest and storage tank, the storage tank is provided with a plurality of storage units, based on the Internet of Things smart for garden fruit picking mechanical devices by translation mechanism to achieve device moves, easy for people to around fruit picking, the move by the lifting mechanism lowers the tablet height, to prevent knocked tree fruit, not only that, in the storage tank through the storage unit in the storage unit to achieve stratification, and by the guide rail plate fixed placement, and to achieve isolation to prevent fruit fruit squeezed in and damage accumulation, thereby improving the device practicality.

Classifications:
International (IPC 8-9): A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207692409 U	20180807	CN201721260479U	20170928

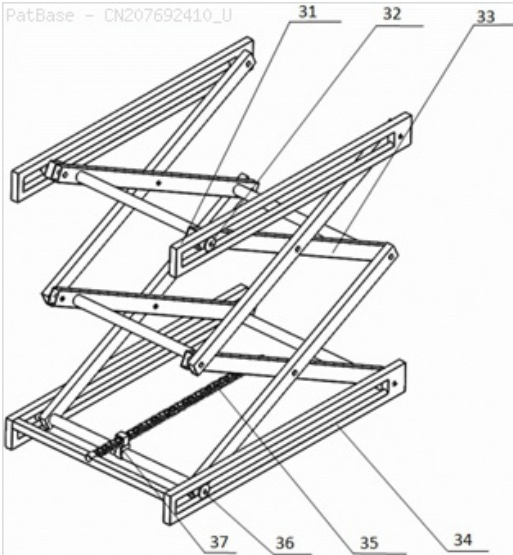
Priority:
CN201721260479U 20170928

Probable Assignee: LING ASIAN INST OF TECHNOLOGY NANJING AUTOMOBILE
Assignee(s): LING ASIAN INST OF TECHNOLOGY NANJING AUTOMOBILE

Title: Quick lifting device and fruit picking robot (Machine translation)

Abstract: Source: CN207692410U **Machine translation:** The utility model discloses a rapid lifting device and fruit picking robot, the rapid lifting device comprising: Lower support frame, the support frame comprising a pair of lower support slide, fixed rod and the lower rod, lower support central rail is provided with a chute, the pair of lower support rails are provided on the fixing rod, rod ends are respectively provided on both sides of the decline lower support slide rail groove; On the support frame; The first scissors scissors frame rack link and the second link, the first link and the second shear shear rack rack rod is disposed in the support frame on both sides, the first shear rack rod having one end connected to the slider and the other end connected to the slider, the second cutting frame connecting rod connected to the lower end of the fixing rod and the other end connected to a fixed rod; The threaded slider and the threaded slider. The rapid lifting device to quickly adjust the lift.

Classifications:
International (IPC 8-9): A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207692410 U	20180807	CN201721756308U	20171215

Priority:
CN201721756308U 20171215

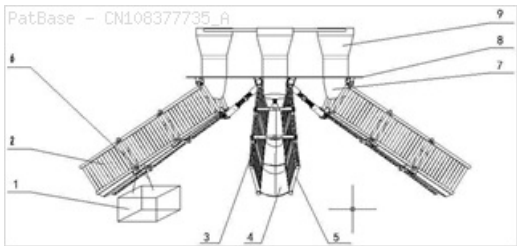
Probable Assignee: WUHAN POLYTECHNIC UNIV
Assignee(s): (std) WUHAN POLYTECHNIC UNIV

Title: A new type of classification to assist fruit picking device (Machine translation)

Abstract: Source: CN108377735A **Machine translation:** The present invention belongs to the fruit picking and classification technology, discloses a new classification to assist fruit picking device is provided with an operation platform, wherein the platform is mounted on the lower end of the collection tank, said collection tank communicates with the main conveying pipe; The main conveying pipe in the middle provided with a plurality of sub-duct, the sub-feeding pipe communicating the fruit boxes; The main conveying tube welded on both sides of the conveyor frame, the conveyor frame mounted roller surface activity; The main conveying pipe laying at the bottom with a soft cloth, the upper end of the conveyor frame welded strut. In picking high branches fruit, can give a more broad security platform. The present invention can be carried out in accordance with the size of the fruit volume different classification, reducing the post-individual classification time, greatly improving production efficiency; Furthermore the invention is simple, disassembly, assembly quick and easy.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/22 A01D46/24
A01G3/00 A01M7/00 B07B13/07 (Advanced/Invention)
CPC: A01D46/20 A01D46/22 A01D46/243 A01G3/00 A01M7/0082
B07B13/07



Family:

Publication number	Publication date	Application number	Application date
CN108377735 A	20180810	CN201810120706	20180207

Priority:

CN201810120706 20180207

Probable Assignee:

CHENGDU UNIV OF TECHNOLOGY

Assignee(s): (std):

CHENGDU UNIV OF TECHNOLOGY

Title: ORCHARD CART FOR TRANSPORTATION OF BOX PALLETS WITH FRUITS

Abstract: Source: PL126009U [PL] Wozek sadowniczy, wyposażony w platforme ładunkowa w postaci ramy oraz polke, osadzona nad osią zestawu kołowego usytuowanego za platforma ładunkowa charakteryzuje się tym, że polka (2) składa się z dwóch symetrycznych części (2a i 2b), rozdzielonych od siebie pustą przestrzenią, zaś na całej długości wózka usytuowany jest profil nosny (3), do którego umocowana jest rama (1) stanowiąca platformę ładunkową, dwie symetryczne polki (2a i 2b) oraz zestaw kołowy. Między ramą (1) a profilem nosnym (3) umocowany profil poprzeczny (13), prostopadły do profilu nosnego (3). **Machine translation:** The trolley sadowniczy, powered by transitioning ładunkowa in the form of a frame and the shelf, seated on the axis of the diagnosis of circular situated behind the platform ładunkowa features, polka (2) consists of two symmetrical parts (2a and 2b), separated from each other empty space, while the entire length of the carriage is situated nosny profile (3), to which is attached to the frame (1) stanowiaca transitioning ładunkowa, two symmetrical memorial (2a and 2b) and round kit. Between the frame (1) a nosnym profile (3) secured cross profile (13) perpendicular to the profile nosnego (3).

Classifications:

International (IPC 8-9): A01D46/20 B62B3/02 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
PL126009 U1	20180813	PL20170126009U	20170203

Priority:

PL20170126009U 20170203

Probable Assignee: KACPRZAK MARCIN ZAKŁ USŁUGOWO HANDLOWY

Assignee(s): (std): KACPRZAK MARCIN ZAKŁ USŁUGOWO HANDLOWY

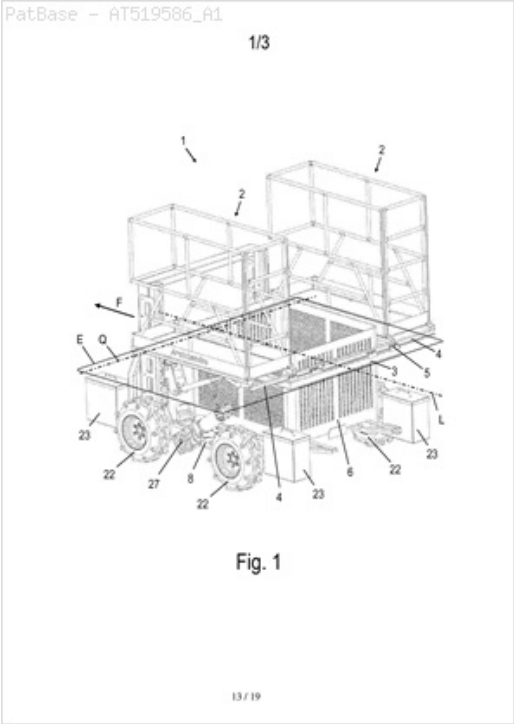
Assignee(s): KACPRZAK MARCIN ZAKŁAD USŁUGOWO HANDLOWY

Inventor(s): (std): KACPRZAK MARCIN

Title: ARBEITSMASCHINE FUER DEN OBSTBAU Machine FOR FRUIT (Machine translation)

Abstract: Source: AT519586A [DE] Eine selbstfahrende Arbeitsmaschine (1) fuer den Obstbau umfasst zumindest eine hoeohenverstellbare Arbeitsbuehne (2) und einen Antriebsrahmen (8) mit zumindest einer Antriebseinheit. Die Arbeitsbuehne (2) ist um eine Laengsachse (L), die parallel zur Fahrtrichtung (F) ist, und eine Querachse (Q) neigbar ausgebildet. Die Arbeitsmaschine (1) weist zumindest zwei beabstandete Fuehrungssaeulen (7) auf, die vertikal und fest mit dem Antriebsrahmen (8) verbunden sind. An jeder Fuehrungssaeule (7) ist ein Hubwerk (10) angeordnet, das einen heb- und senkbaren Teil (15) umfasst, wobei die Hubwerke (10) unabhaengig voneinander zum Heben und Senken ansteuerbar sind. Die zumindest eine Arbeitsbuehne (2) ist an einem Auslegerrahmen (3) angeordnet, der mit den beweglichen Teilen (15) der Hubwerke (10) mittels Gelenkverbindungen (17) verbunden ist. An den heb- und senkbaren Teilen (15) der Hubwerke (10) sind Rotationseinrichtungen (26) angeordnet, die mit dem Auslegerrahmen (3) zu dessen Rotation verbunden sind. **Machine translation:** A self-propelled machine (1) for the fruit comprises at least a height adjustable working stage (2) and a drive frame (8) with at least one drive unit. The working stage (2) is around a longitudinal axis (L), which is arranged parallel to the direction of travel (F), and a transverse axis (Q) can be tilted. The working machine (1) has at least two spaced apart guide posts (7) vertically and fixedly coupled to the drive frame (8). At each guide pillar (7) linkage (10) which is arranged a raiseable, and countersunk bears part (15), wherein the hoisting gear (10) independently of each other are selectable for raising and lowering. The at least one work stage (2) is mounted on a cantilever frame (3) is arranged, with the moving parts (15) of the hoisting gear (10) is connected by means of hinge joints (17). At the lift and lowering comparable parts (15) of the hoisting gear (10), (26) The rotation devices to the boom frame (3) to its rotation.

Classifications:
International (IPC 8-9): A01D46/20 B66F11/04 B66F9/20 E04G1/20 (Advanced/Invention)
CPC: B66F11/04 A01D46/20 B66F9/205 E04G1/20



Family:

Publication number	Publication date	Application number	Application date
AT519586 A1	20180815	AT20170050071	20170131

Priority:
AT20170050071 20170131

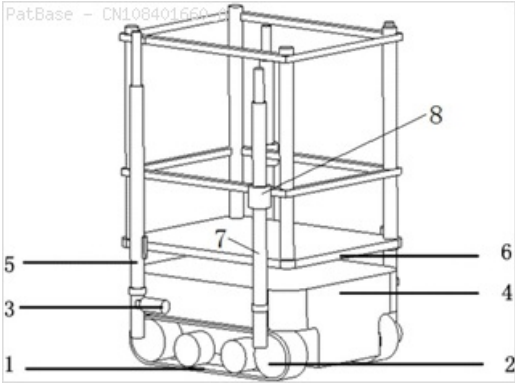
Probable Assignee: ING GOTTFRIED MAITZ
Assignee(s): (std): ING GOTTFRIED MAITZ
Inventor(s): (std): ING GOTTFRIED MAITZ

Title: One kind of fruit and vegetable picking robot and auxiliary method (Machine translation)

Abstract: Source: CN108401660A **Machine translation:** The present invention discloses a fruit and vegetable picking robot and auxiliary method, it solves the prior art fruit and vegetable picking labor consumption, low efficiency problem, have reduced the process of picking the manual workload and improve production efficiency, to accelerate the development of agricultural facilities, and the advantageous effects, which play an important role in the program are as follows: One kind of fruit and vegetable picking robots, including the auxiliary chassis; Traveling mechanism is provided on the bottom or sides of the chassis, can travel on the ground; Picking personnel for supporting the lifting table, provided on the chassis; The lifting mechanism includes a lift rod is fixedly connected with the lifting platform.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/24 B66F11/04 B66F17/00 (Advanced/Invention)
CPC: A01D46/20 A01D46/243 B66F11/04 B66F17/006



Family:

Publication number	Publication date	Application number	Application date
CN108401660 A	20180817	CN201810214378	20180315

Priority:

CN201810214378 20180315

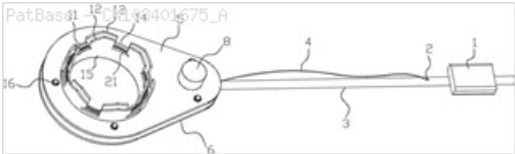
Probable Assignee: SHANDONG ACADEMY OF SCIENCES INST OF AUTOMATION

Assignee(s): (std): SHANDONG ACADEMY OF SCIENCES INST OF AUTOMATION

Title: Semi-automatic ring saw-type fruit picking device (Machine translation)

Abstract: Source: CN108401675A **Machine translation:** The present invention discloses a semi-automatic ring saw-type fruit picking device, which includes telescopic rod, the telescopic rod ends and provided on the upper panel and the lower panel; The upper panel provided with an outer sleeve; The following panel is provided with an inner sleeve; The outer sleeve coaxially connected to the inner sleeve; The outer sleeve and the inner sleeve on the port annular array has a notch; Slot side wall bottom surface provided with a groove wall toward the direction of the opening of the triangular oblique groove; Triangular chute bottom surface of the notch bottom surface flat; The outer sleeve and the inner sleeve is provided with a circular saw blade; Circular saw blade on the end face is higher than the bottom surface of the notch is less than the triangular chute top wall; Circular saw blade is provided on the sleeve; Saw sleeve provided on the drive wheels; Driven wheel sets provided in the lower end of the inner sleeve; The drive wheel and the inner sleeve is provided between the bearing ring; The drive wheel through a transmission mechanism connected to the motor; Telescopic rod is provided with a battery and the switch; Batteries and switches connected by wires to the motor. The present invention low cost, not to hurt the fruit, and the picking speed faster, the human eye discrimination apples precise location requirements lower.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/253 (Advanced/Invention)
CPC: A01D46/253 A01D46/20



Family:

Publication number	Publication date	Application number	Application date
CN108401675 A	20180817	CN201810542210	20180530

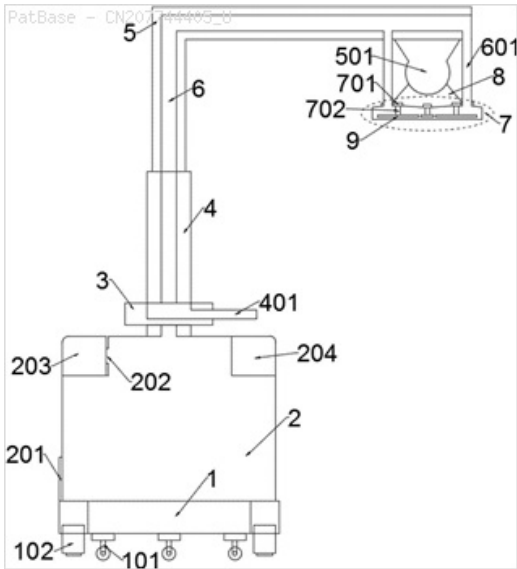
Priority:
CN201810542210 20180530

Probable Assignee: CENTRAL SOUTH UNIV OF FORESTRY AND TECHNOLOGY
Assignee(s): (std) CENTRAL SOUTH UNIV OF FORESTRY AND TECHNOLOGY

Title: A method for the ancient tea tea picking device (Machine translation)

Abstract: Source: CN207744405U **Machine translation:** The utility model discloses a method for the ancient tea tea tea picking picking device, relates to the technical field equipment, to solve the existing problem of low efficiency of manual picking of ancient tea The utility model includes a telescopic barrel, the telescopic arm and telescopic arm picking plate, said one end extending into the interior of the telescopic barrel, the other end of the telescopic arm and picking the disc connected to the telescopic boom and telescopic barrel inside are provided with a negative pressure duct, said picking disk is connected to the telescopic arm, and the negative pressure pipe communicating through the hose between the disc and the picking, the Picking disk is provided with a cutting disc. The utility model has high efficiency, small workload, simple operation advantages.

Classifications:
International (IPC 8-9): A01D46/04 A01D46/20
A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207744405 U	20180821	CN201820116122U	20180123

Priority:
CN201820116122U 20180123

Probable Assignee: LEIBO COUNTY YUZHU CHUN TEA FACTORY
Assignee(s): LEIBO COUNTY YUZHU CHUN TEA FACTORY

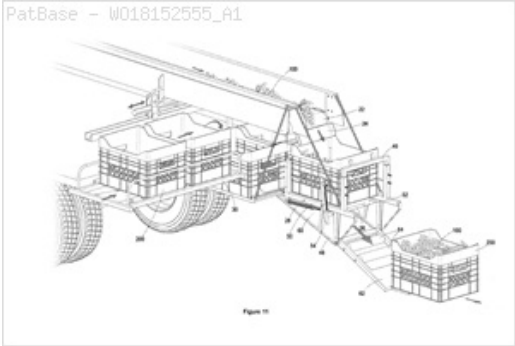
Title: HARVESTER

Abstract: The present invention relates to a harvester (10), more particularly, it relates to a harvester (10) for harvesting produce, such as grapes and berries, operating on mechanical and/or gravitational drive means. The harvester (10) includes a mobile platform (12), a conveyor (20) located on the mobile platform (12), a discharge gate (24) located at a discharge end (22) of the conveyor (20), a trapdoor (26) for supporting a crate (200), a catch (54) for holding the trapdoor (26) in a loading condition, a catch release (60) for releasing the catch into an off-loading condition and a means of transmission for mechanically transmitting gravitational induced movement of the trapdoor (26) into the off-loading condition, into movement of the discharge gate (24) into a closed condition.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/28 A01D91/04 B65G67/24 (Advanced/Invention)

CPC: A01D46/20 A01D46/28 A01D91/04



Family:

Publication number	Publication date	Application number	Application date
WO18152555 A1	20180823	WO2018ZA50007	20180201

Priority:

ZA20170001087 20170214

Probable Assignee: BRAND FREDERIK

Assignee(s): (std): BRAND FREDERIK

Inventor(s): (std): BRAND FREDERIK ; REGENSTEIN SCHALK WILLEM

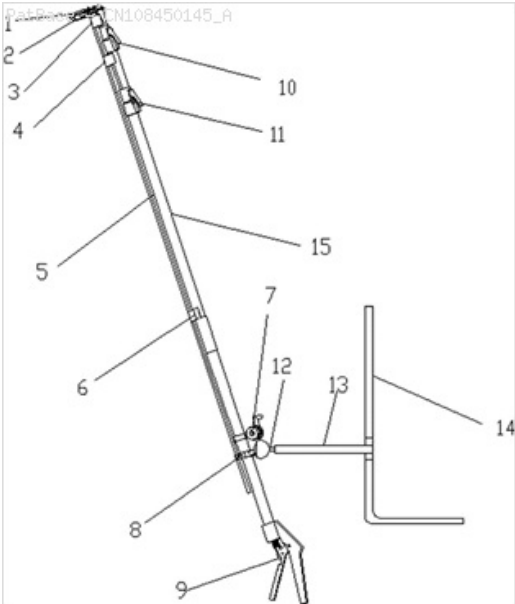
Agent(s): SIBANDA AND ZANTWIJK

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: A wearable effort high branches fruit picking assisting device (Machine translation)

Abstract: Source: CN108450145A **Machine translation:** A wearable effort high sticks scissors picking, picking fruit picking device comprising auxiliary clamp, reel, a fixture, a handle, a retractable picking rod and the back frame; Picking shears fixed to a telescopic pole top picking, picking and picking scissors clamping magnetic fit; Retractable picking rod is provided on the rail, the rail is provided on the chute; Picking clip provided with a sliding key, the sliding key is disposed inside the sliding groove, the picking scissors provided with a movable column; The handle provided on the bottom end of the picking rod telescopic handle connected by steel wire connecting movable column; Retractable reel disposed in picking rod, reel spool is connected by thin bond; Fixing member disposed in a retractable picking rod, fixed member connected to the back frame. The present invention device is simple, lightweight, apply different people and different environments, wide application; And the device is simple, high efficiency, picking fruit to produce fruit without injury.

Classifications:
International (IPC 8-9): A01D46/20 (Advanced/Invention)
CPC: A01D46/20



Family:

Publication number	Publication date	Application number	Application date
CN108450145 A	20180828	CN201810428865	20180508

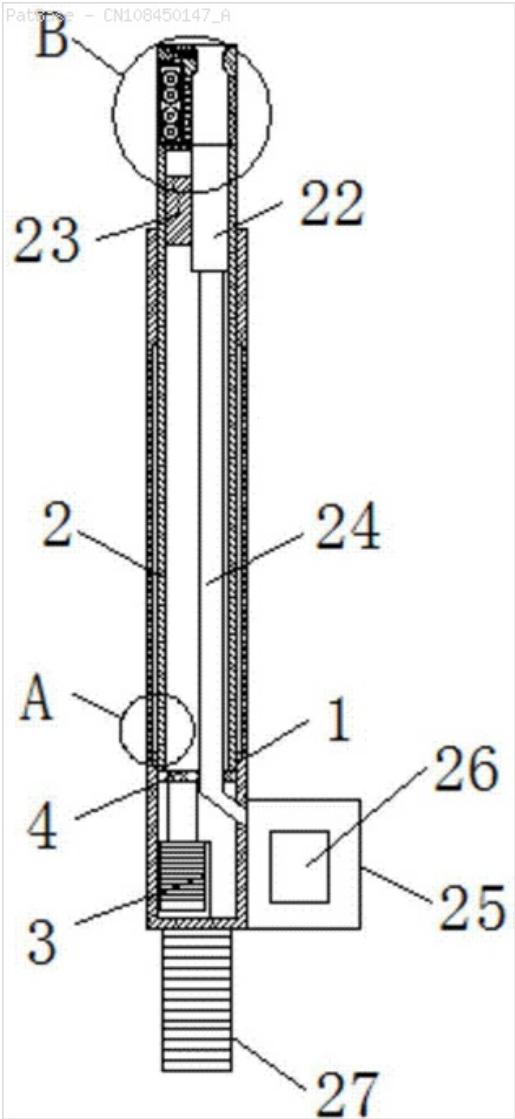
Priority:
CN201810428865 20180508

Probable Assignee: EAST CHINA JIAOTONG UNIV
Assignee(s): (std): EAST CHINA JIAOTONG UNIV

Title: One kind of pepper automatic picking machine picking process thereof (Machine translation)

Abstract: Source: CN108450147A **Machine translation:** The present invention discloses a pepper picking machine, comprising an outer tube, the upper end of the outer tube through the sliding sleeve has an inner tube, the outer tube and the bottom end is provided with a first electric putter fixed, the output shaft of the first electric push rod end by the support plate and is fixedly connected to the inner tube, said inner tube on the end side is provided with a rotating mechanism, the rotation mechanism includes a first arm, a second arm and the third arm, the first arm inside the lower side is provided with a first motor, the first motor output shaft fixed socket with a first gear, a first electric putter realized by the inner tube and the outer tube of the telescopic function, the rotation mechanism to achieve a picking head can be rotated to change the function, camera and display fit, so picking process more intuitive, thereby solving the problem of a large, reducing the difficulty of picking pepper pepper picking efficiency problems.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 H04N5/225 (Advanced/Invention)
CPC: A01D46/22 A01D46/20 H04N5/2251



Family:

Publication number	Publication date	Application number	Application date
CN108450147 A	20180828	CN201810530550	20180529

Priority:

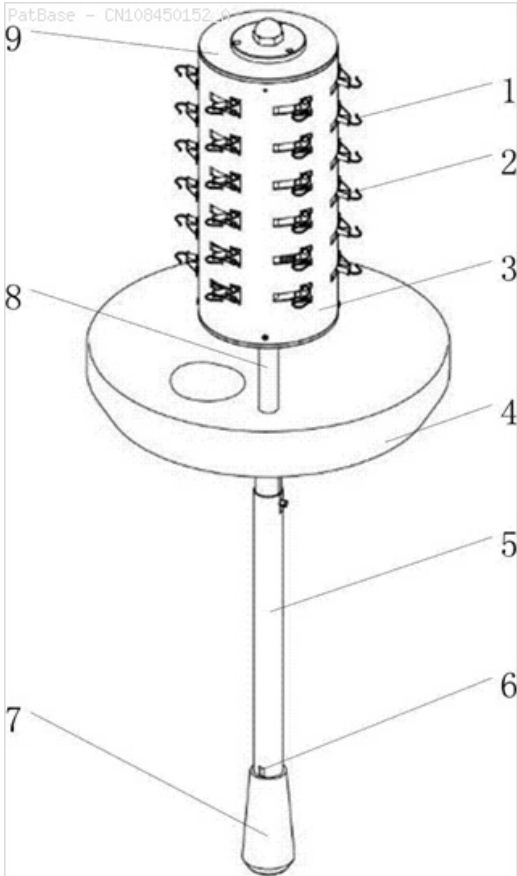
CN201810530550 20180529

Probable Assignee: DONGGUAN JINSHUN KANG HARDWARE CO LTD
Assignee(s): DONGGUAN JINSHUN KANG HARDWARE CO LTD

Title: A hand-held rotary cherry picking device (Machine translation)

Abstract: Source: CN108450152A **Machine translation:** The present invention provides a hand-held rotary cherry picking device characterized in that: It comprises a picking hook hinge, a plurality of shrapnel shrapnel group array mounted on the outer wall of the drum picking, picking drum mounted on the support base, the support base is connected to the outer ring gear and drive gear driven by the motor of the present invention, outer ring, a support base with picking, picking picking driven roller drum rotating about a central hook hook shank, the cherry fruit picking hook opening allows only the size, when faced with branches, cherry fruit stem into its role in picking hook and shrapnel, shrapnel force deformation, picking hook and shrapnel pressed into hollow picking drum groove, can be achieve avoid branches, when picking hook hitch cherry fruit stalk after the centrifugal force and the pulling force, the cherry fruit stalk and branches separated, so Cherry fall collection device collected.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 A01D46/253 (Advanced/Invention)
CPC: A01D46/253 A01D46/20 A01D46/22



Family:

Publication number	Publication date	Application number	Application date
CN108450152 A	20180828	CN201810549867	20180531

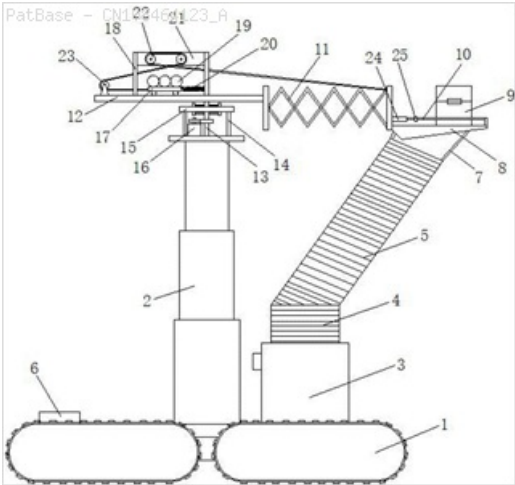
Priority:
CN201810549867 20180531

Probable Assignee: SHIHEZI UNIV
Assignee(s): (std): SHIHEZI UNIV

Title: A rapping device automatic picking truck dates (Machine translation)

Abstract: Source: CN108464123A **Machine translation:** The present invention relates to the field of agricultural machinery and technology, especially having a rapping device automatic picking jujube cars, including crawler, hydraulic lifts, steering mechanism, picking mechanism, balancing mechanism and hydraulic telescopic arm, the hydraulic lifts and picking mechanism are mounted on the track car, the steering mechanism is mounted on the top of the hydraulic lift, the turning mechanism comprises a fixed installation on the hydraulic lift table top surface of the first motor, the first motor output shaft mounted horizontally disposed a gear meshing connected vertically disposed on a gear shaft, the bottom end is inserted in the top plate of the hydraulic lifts. The present invention is the high degree of automation, the whole process does not require jujube fruit growers direct participation, the liberation of the human, indirectly improve the efficiency of picking, through the smart phone to control, simple operation, suitable for all kinds of people use.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 A01D46/26 B07B1/04 B07B1/46 (Advanced/Invention)
CPC: A01D46/26 A01D46/20 A01D46/22 B07B1/04 B07B1/46



Family:

Publication number	Publication date	Application number	Application date
CN108464123 A	20180831	CN201810268473	20180329

Priority:

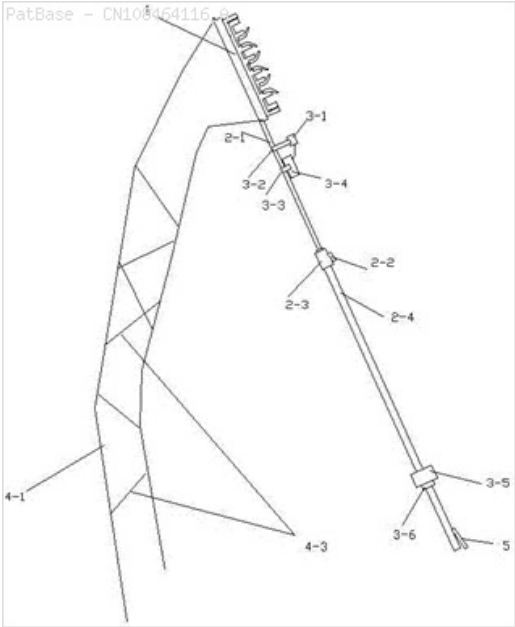
CN201810268473 20180329

Probable Assignee: BAOJI UNIV OF ARTS
Assignee(s): (std): BAOJI UNIV OF ARTS

Title: A circumferential cut fruit picking robot multi-station (Machine translation)

Abstract: Source: CN108464116A **Machine translation:** The present invention relates to a handheld picking robot, in particular to a circumferential cut fruit picking robot for multi-station apples, oranges, pears, persimmons and other fruit picking device. A circumferential cut fruit picking robot multi-station, multi-station includes a circumferential shearing device, the shearing mechanism, power mechanism, the fruit collection telescopic rod sleeve; The upper end of the telescopic rod mechanism circumferential multi-station is connected to the shear shearing device power mechanism mounted on the telescopic rod mechanism; Circumferential multi-station shearing device is provided fruit collection sleeve. The present invention can achieve efficient picking fruit picking, reduce costs.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 A01D46/24 H04N7/18 (Advanced/Invention)
CPC: A01D46/24 A01D46/20 A01D46/22 H04N7/18



Family:

Publication number	Publication date	Application number	Application date
CN108464116 A	20180831	CN201810422871	20180505

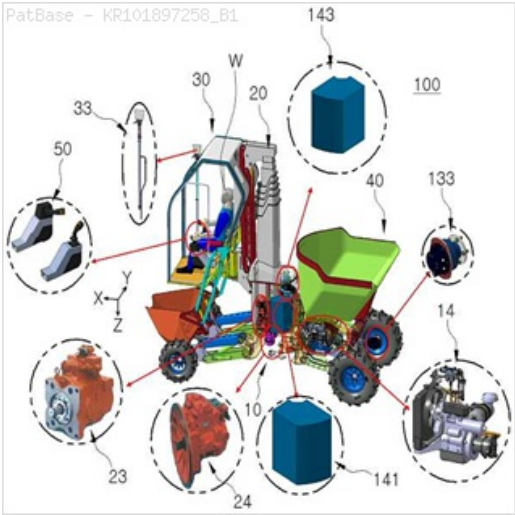
Priority:
CN201810422871 20180505

Probable Assignee: GINGER XIN YUE
Assignee(s): GINGER XIN YUE ; JIANG MING ; ZHANG HIGH ; JOE MAGNOLIA

Title: FRUIT HARVESTING APPARATUS

Abstract: Source: KR101897258B **Machine translation:** Apparatus according to an embodiment of the present invention, fruit harvest driving unit that is movable along the ground; the driving unit is installed in the vertical direction and the longitudinal adjusting means that can adjust the length of the length adjusting means around the central axis of the length adjustment means comprises a rotating means to rotate in the circumferential direction a lifting unit is supported by the lifting unit, and then moved to any height is located within the through rotation, moving the fruit, the fruit of the fruit, the fruit by cutting to obtain the fall harvest; the driving unit installed on the harvest the fruit discharged from the fruit is stored, the stored, and the storage unit are discharged to the outside to the driving unit, the lifting unit, the harvesting unit and a control unit for controlling the storage unit; and a.

Classifications:
International (IPC 8-9): A01D46/20 B66F11/04 (Advanced/Invention)
CPC: A01D46/20 B66F11/046 B66F2700/09



Family:

Publication number	Publication date	Application number	Application date
KR101897258 B1	20180910	KR20170081294	20170627

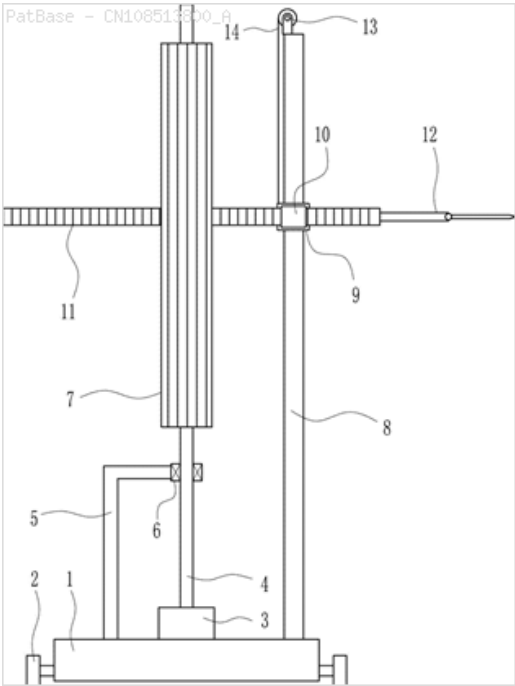
Priority:
KR20170081294 20170627

Probable Assignee: ACT CO LTD
Assignee(s): (std): ACT CO LTD
Assignee(s): ACT CORP ; ACT CO
Inventor(s): (std): PARK TAE IG

Title: A tree top walnut picking device (Machine translation)

Abstract: Source: CN108513800A **Machine translation:** The present invention relates to an agricultural harvesting equipment, particularly relates to a tree top pecan picking device. The technical problem underlying the present invention is: Provide an easy picking off the top of the top of the tree walnut picking device positive. Technical solutions are as follows: A tree top walnut picking device, comprising a first bottom plate, a wheel, a first motor, a first shaft, L-shaped strut and the like; The first bottom plate left and right sides of the front and rear two wheels are provided with a first bottom plate and the top mounted intermediate the first motor, the first motor output shaft through the coupling is connected with a first shaft, a first base plate is provided with an L-shaped top left of the right end of the L-shaped strut, the strut is provided with a first bearing seat. [0016] The present invention achieves easy picking tree positive top walnut effect, the present invention is adjusted by an electric reel electric scissors height, through the first mating gear and the rack to adjust the distance between the top of the electric scissors with walnut, but also by the rotation of the base plate to adjust the angle of the electric scissors, so as to achieve the effect of easy picking positive top walnut tree

Classifications:
International (IPC 8-9): A01D46/00 A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108513800 A	20180911	CN201810543999	20180531

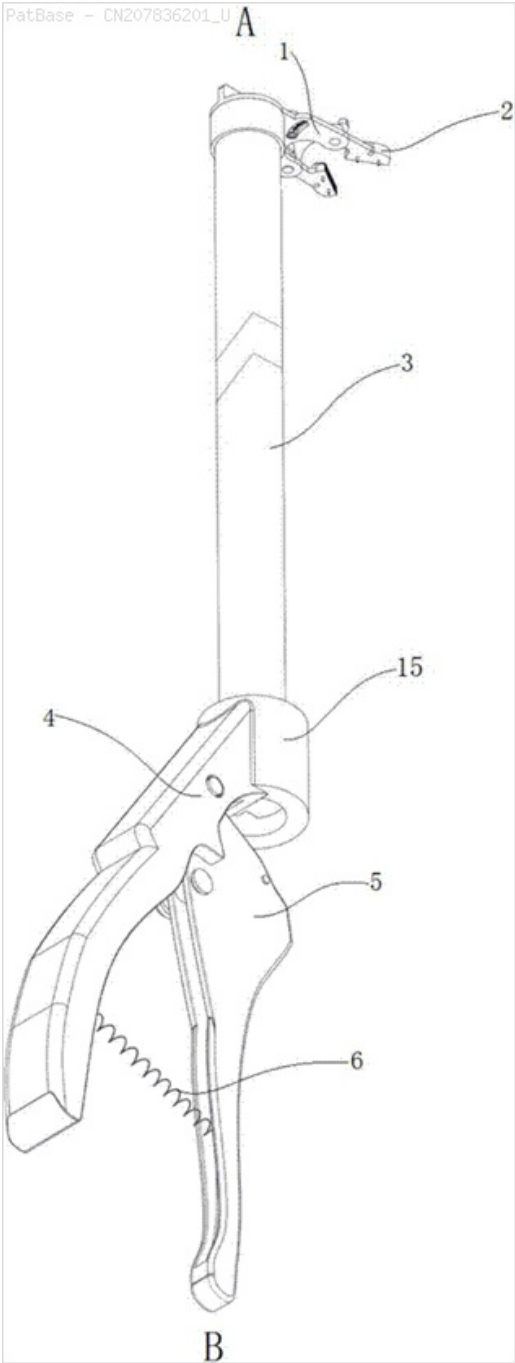
Priority:
CN201810543999 20180531

Probable Assignee: LIN LONG
Assignee(s): LIN LONG

Title: One kind of bent-type fruit picking device (Machine translation)

Abstract: Source: CN207836201U **Machine translation:** The utility model discloses a bending-type fruit picking device, comprising a telescopic connecting rod, a shear mechanism and handle mechanism; Shear mechanism includes a pair of oppositely disposed V-shaped blade, shear shear clip and clip rotation provided on both sides of the middle of the base is provided with a shear clip above activities can move back and forth along the base of the cam plate, the cam moves back and forth along the base plate can be driven to rotate along the middle of the shear clamp; The handle mechanism includes a fixed handle and turn the handle, turn the handle the front end is fixed to the cam plate is connected to the control rope, the utility model provides a bending-type fruit picking device can effectively improve fruit picking efficiency, cutting mechanism and the handle mechanism structure is simple and reasonable, easy processing and use; Can be realized on different fruits picking, has a wide audience, the use of high-value advantages, and picking efficiency higher, effectively reducing the amount of manual labor.

Classifications:
International (IPC 8-9): A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207836201 U	20180911	CN201721612616U	20171127

Priority:

CN201721612616U 20171127

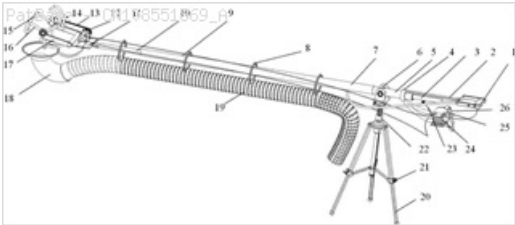
Probable Assignee: NORTH CHINA ELECTRIC POWER UNIV

Assignee(s): (std): NORTH CHINA ELECTRIC POWER UNIV

Title: A high altitude fruit picking device (Machine translation)

Abstract: Source: CN108551869A **Machine translation:** The present invention discloses a high altitude fruit picking device. The present invention comprises a control means, pneumatic drive means, picking means, collecting means and fixing means. The control device is controlled by a control switch and discouraged pipe composition; Pneumatic drive means by moving the piston, cylinder, rocker, wheel, motor, battery, pressure tail liter reduction rod I, pneumatic liter reduction rod II and III pressure liter reduction rod constituted; Picking head device consists of a motor, chain, rotating picking head right triangle, triangle left turret, turret and boom; Collecting device by the yield fruit net bag, mobile network architecture and upload fruit mesh tube; Fixing device is controlled by a control switch connected to the battery holder arm, fixed to the motor bracket, piston, head motor bracket foot frame, the frame foot loading plate, locking device and the multi-DOF rotating head. The present invention solves the traditional picking instrument difficult to move, not flexible enough problems. And the whole is not too precision parts, low cost, effectively solve the actual needs of farmers.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108551869 A	20180921	CN201810122358	20180207

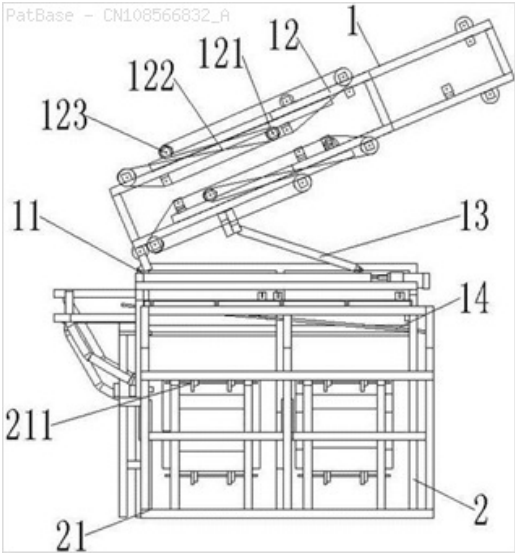
Priority:
CN201810122358 20180207

Probable Assignee: QUZHOU UNIV
Assignee(s): (std): QUZHOU UNIV

Title: Portable fruit picking machine a variety of auxiliary (Machine translation)

Abstract: Source: CN108566832A **Machine translation:** The present invention belongs to the technical field fruit harvesting equipment, in particular to a portable fruit picking machine, including a variety of auxiliary tank classification module, transmission module and collection tank lifting module, for stacking empty collection boxes and collection boxes within the classification module conveying air, and transfer passage composed by classification classification module bracket, the staff through handheld device picking the fruit off, the fruit into fruit by classification to classify stent, stent inner elastic buffer channel into the classification mount bracket by V-type classification channel for fruit size classification after fruit fall into different collection box, complete fruit classification, collection tank is full, the collection box by a conveyor belt feeding tank to collect the collection box lifting module, when the number reaches a predetermined collecting a number to remind farmers take away, while empty collection box will be classified into the bracket inner waiting collection, complete uninterrupted picking, for farmers to bring the convenience, the liberation of the labor force.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 A01D46/253
B07B13/04 B07B13/14 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108566832 A	20180925	CN201810766114	20180712

Priority:
CN201810766114 20180712

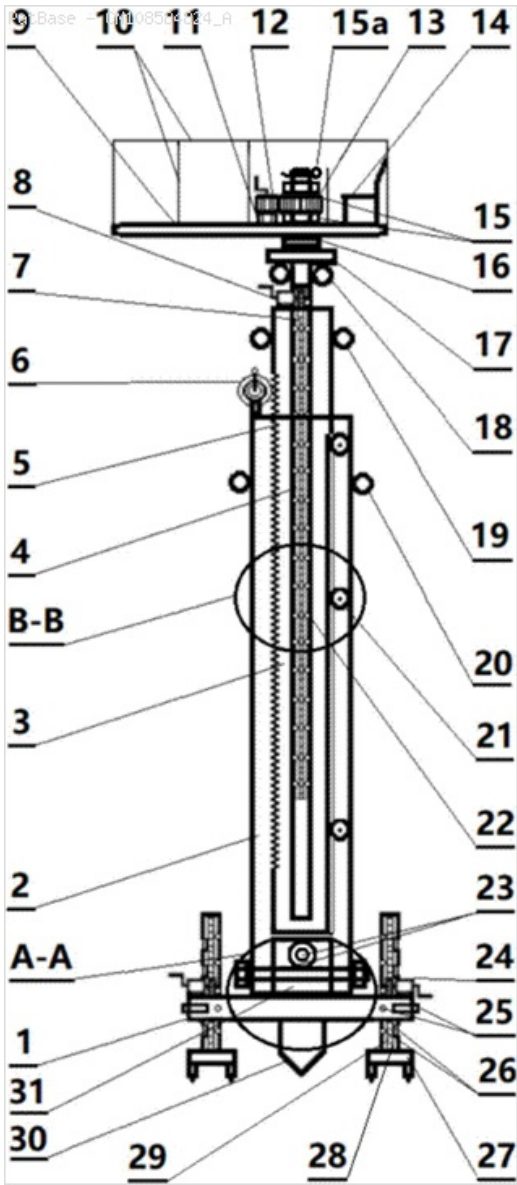
Probable Assignee: TAIYUAN INST OF TECHNOLOGY

Assignee(s): (std): TAIYUAN INST OF TECHNOLOGY

Title: A single rod lifting easy loading and unloading in the wilderness aerial work platform (Machine translation)

Abstract: Source: CN108584824A **Machine translation:** The present invention discloses a single-pole lift aerial work platform, easy loading and unloading in the wilderness mainly provided a base, telescopic single rod, rack, lifting gear, work station, single telescopic rod includes an outer tube, an inner tube and the outer tube, the inner tube and the central rod center rod are respectively provided with an upper section of the rope fixing ring, and the inner tube and the central rod respectively provided rack, guide pulley groove and lifting the wheel, the outer tube, the inner tube and the central rod sequentially fitted integrally, and bolted; Base seat tube and the outer tube the lower section with a fixed bolt connection fixed; The working table by fixing assembly is mounted on the upper end of the central rod, and set the rotation wheel. The present work station reasonable structure, industrial production, easy handling, easy handling, can go up or down, and can be rotated 360 degrees, particularly suitable wilderness altitude operations, but also to adapt the tall fruit trees, fruit trees and fruit harvest management and protection, has good prospects, economic and social benefits.

Classifications:
International (IPC 8-9): A01D46/20 B66F11/04
B66F17/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108584824 A	20180928	CN201810611810	20180614

Priority:
CN201810611810 20180614

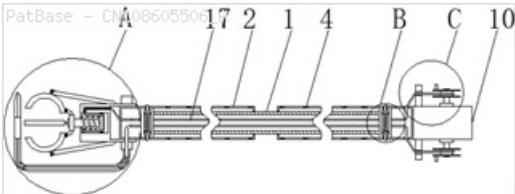
Probable Assignee: GUANGXI ACADEMY OF FORESTRY SCIENCES
Assignee(s): GUANGXI ACADEMY OF FORESTRY SCIENCES

Title: A high applicability of fruit picker (Machine translation)

Abstract: Source: CN108605506A **Machine translation:** The present invention relates to the technical field of agricultural machinery, and discloses a high applicability of fruit pickers, including telescopic rod, the telescopic rod ends are sockets activities support rods, said telescopic rod ends are connected through the support rod and extending to the interior of the support bar fixedly mounted on the movable block, movable block and the sides of the inner wall of the support bar activity socket, the support rod surface opened a hole, the hole number is at least sixteen, sixteen holes were divided into two groups, and two sets of holes evenly distributed on the outer surface of the two support rods. The applicability of high fruit picking device, by two support rods, so that the telescopic rod easy to stretch, and the movable block is fixed within the cavity, so that the moving block in its internal energy mobile, fixed spring, so that the moving block has a reset action, so that the clamping lever freely scalable, so that the clamping rod telescopic rod and the support bar with the hole contact, to achieve the purpose of preventing the telescopic rod retracted position is fixed, to achieve free telescopic strut internal purposes.

Classifications:

International (IPC 8-9): A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108605506 A	20181002	CN201810397646	20180428

Priority:

CN201810397646 20180428

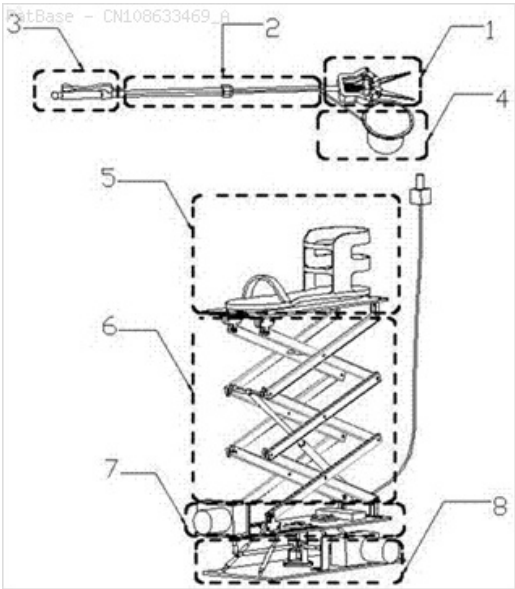
Probable Assignee: WUHU CENTEC ENVIRONMENTAL PROTECTION TECHNOLOGY CO LTD

Assignee(s): WUHU CENTEC ENVIRONMENTAL PROTECTION TECHNOLOGY CO LTD

Title: A wearable - scissors fruit picking device and picking method kit (Machine translation)

Abstract: Source: CN108633469A **Machine translation:** A wearable - scissors fruit picking device and picking method comprising sets mounted on telescopic pole top of the cutting mechanism; A shearing mechanism is mounted below the fruit mesh bag; Also includes a lifting mechanism mounted on the upper portion of the shoe lift; The lifting mechanism is equipped with automatic positioning balance adjustment mechanism; Said balance adjustment mechanism support plate and balance control system through a line connected to a control circuit; The shear mechanism for the scissor-like frame, left and right two blades connected by turning deputy blade connections; The blade connecting piece through the gate line connected to the telescopic rod trailing end of the handswitch; The lifting mechanism for the scissor lift, by controllable nitrogen gas springs control the raised and lowered; Said balance adjustment mechanism includes the lower support plate between the support plate and the middle, and connected by a universal joint supported by a spring. The present invention enables automatic lifting, smart regulation balance function, using pneumatic lifting low power consumption, simple to use, improve efficiency, reduce operator picking members of physical exertion.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22
A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108633469 A	20181012	CN201810415030	20180503

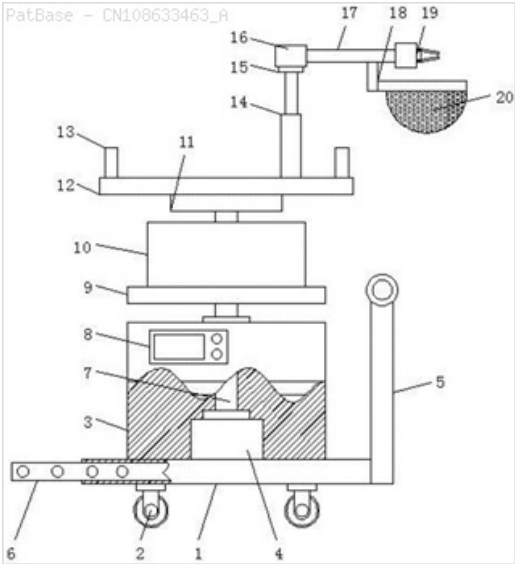
Priority:
CN201810415030 20180503

Probable Assignee: SHENYANG UNIV OF TECHNOLOGY
Assignee(s): (std): SHENYANG UNIV OF TECHNOLOGY

Title: An agricultural machinery fruit picking device (Machine translation)

Abstract: Source: CN108633463A **Machine translation:** The present invention discloses an agricultural machinery fruit picking device comprising a support base and a lifting tank, said support base fixed to the bottom rollers are mounted to said support base fixedly mounted on the top of the drop box, inside the box fixedly mounted on the lifting of the hydraulic cylinder, the hydraulic cylinder is fixedly connected with the output end of the hydraulic rod hydraulic rod, the top of the support base is fixedly connected to the elevating box front surface is provided with a control panel, said support base fixedly mounted on a rotating box, the rotary box internal fixedly attached to the third rotation seat. By the support base is provided inside with a ladder, when required when the ladder, the ladder can be withdrawn from the support base when not in use housed in the support base, pick up more convenient; Through the telescopic rod is fixedly mounted with the second rotating seat, the second rotating seat fixed block, the fixed lever can drive the rotation angle can be adjusted to increase the flexibility of use.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22
A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108633463 A	20181012	CN201810466037	20180516

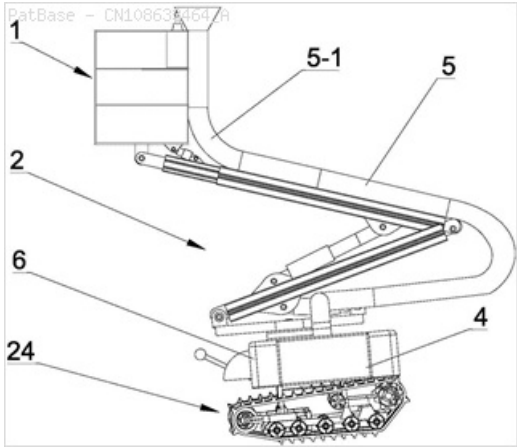
Priority:
CN201810466037 20180516

Probable Assignee: WUHU TENG FLYING INFORMATION TECHNOLOGY CO LTD
Assignee(s): WUHU TENG FLYING INFORMATION TECHNOLOGY CO LTD

Title: A suitable mountain self-propelled auxiliary picker (Machine translation)

Abstract: Source: CN108633464A **Machine translation:** The present invention discloses a suitable mountain self-propelled auxiliary picking machine, including work platform, lifting the rotary drive mechanism, crawler mechanism and fruit collecting device; Wherein the lifting mechanism comprises a lifting drive mechanism swing drive and rotary drive mechanism, the rotary drive mechanism comprises a rotary member and a driven rotary member rotating swing mechanism; Said lifting mechanism comprises a lifting arm and lifting power member; The work platform is provided on the lift arm; The fruit collection device includes a harvest fruit harvest fruit boxes and duct; The harvest fruit pipe the upper end extending to one side of the work platform is provided along the lifting arm, the lower end extends to the middle of the tanks, wherein harvest fruit harvest fruit at corners of pipe with a hose. The picker can not only deal with different terrain, but also for different heights of the orchard of fruit trees, picking fruit after picking work, and easy to gather, which can effectively improve the efficiency of picking.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108633464 A	20181012	CN201810560736	20180601

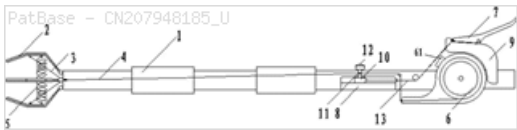
Priority:
CN201810560736 20180601

Probable Assignee: EAST CHINA JIAOTONG UNIV
Assignee(s): (std): EAST CHINA JIAOTONG UNIV

Title: An auxiliary artificial fruit picking tool (Machine translation)

Abstract: Source: CN207948185U **Machine translation:** The utility model relates to an auxiliary field of technology tools, and more particularly provides an auxiliary artificial fruit picking tool, including fruit clamping assembly, telescopic tube and control assembly, the control assembly by controlling the total lead, pulling fruit picking fruit, telescopic tube clamping assembly scalable, easy to pick different heights of fruits.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/247 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207948185 U	20181012	CN201721750016U	20171215

Priority:
CN201721750016U 20171215

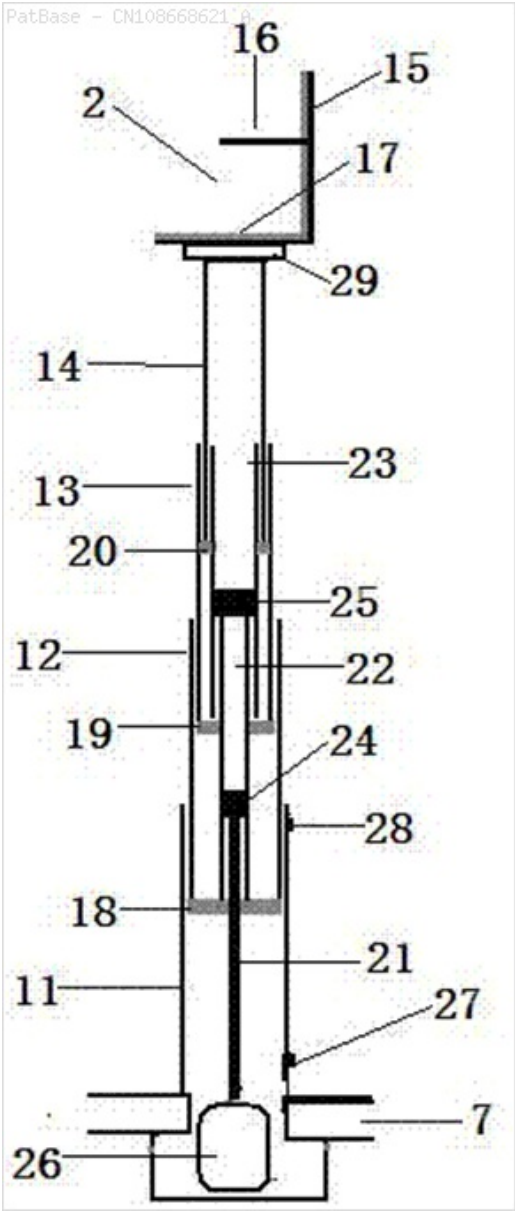
Probable Assignee: PEI SHANSHAN

Assignee(s): CHEN ZHANGHENG ; LIU WEN QI ; ZHANG WEI ; ZHANG LU ; ZENG ZHUO ; PEI SHANSHAN ; ZHANG YI
SEN ; ZHANG YUAN

Title: One kind of fruit industry dedicated electric tricycle (Machine translation)

Abstract: Source: CN108668621A **Machine translation:** The present invention discloses a fruit industry dedicated electric tricycle, includes a frame, the frame pivotally connected to the front end of the handlebars, handlebar is provided in the lower end of the front wheel, provided on the frame below the rear end of the drive shaft, the shaft provided on both ends of the two rear wheels, the drive shaft connected to a drive motor, electrically connected to the controller, and the controller is electrically connected to the battery, disposed in the frame at the rear end of the upper carriage, provided in the middle of the frame above the car seat, electric spray device, wherein the seat for electric lift electric lift car seat, the seat rises enables highly sitting in the car seat of fruit picking fruit on fruit, safe, saving time and effort, picking fruit without bumps; Electric spray device capable to fruit trees fight drugs, without piggybacked cartridge, greatly reducing the labor intensity of farmers.

Classifications:
International (IPC 8-9): A01D46/20 B62J1/08
B62K7/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108668621 A	20181019	CN201810221830	20180318

Priority:

CN201810221830 20180318

Probable Assignee:

WEI LEI

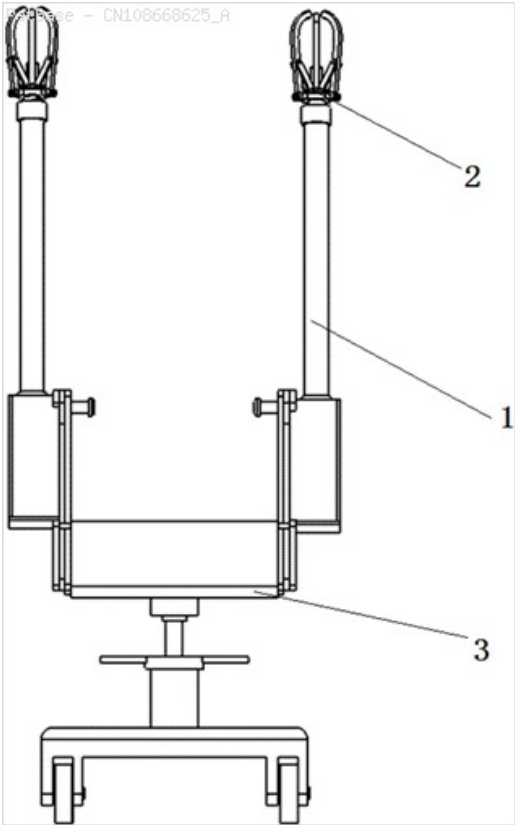
Assignee(s):

WEI LEI

Title: A fruit picker (Machine translation)

Abstract: Source: CN108668625A **Machine translation:** The present invention discloses a fruit picker, including mobile platforms, mobile platform on both sides are connected to the support rods, each support rod connected to the upper end of the picking mechanism. Support rod from the inside out successively socket push rod, screw and screw pipe, the lower end of push rod extending screw and connected with a drive means, the push rod protruding upper end of the screw is connected with the picking mechanism; Screw on the end of the picking mechanism connected to the lower end of the screw protruding screw tube; Spiro tube projecting end threaded tube with screw threaded connection; Lower end of the socket housing, the drive means is located within the casing. Not only can adjust the height of the claw can also adjust its direction, easy pouring, quick and easy.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108668625 A	20181019	CN201810497189	20180522

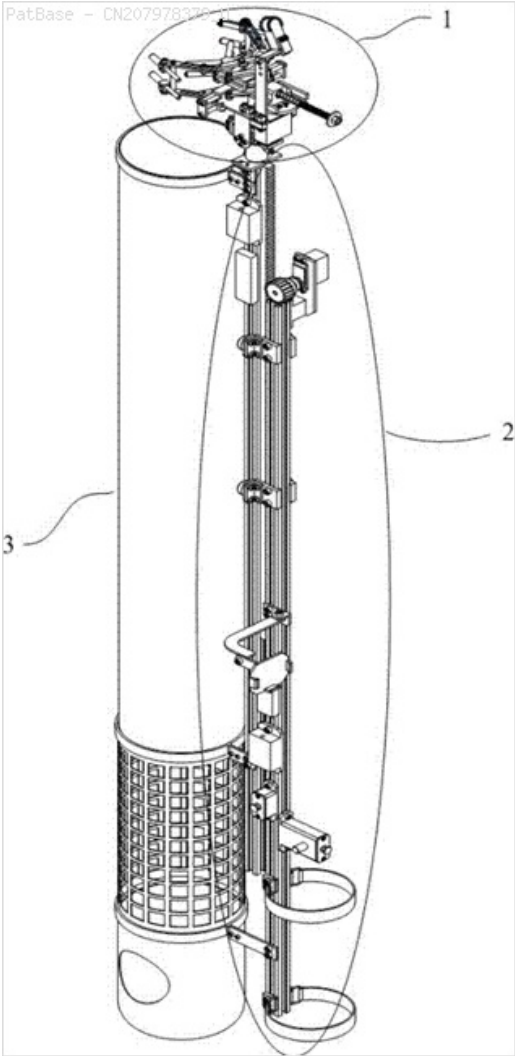
Priority:
CN201810497189 20180522

Probable Assignee: XI AN UNIV OF TECHNOLOGY
Assignee(s): (std): XI AN UNIV OF TECHNOLOGY

Title: A portable adjustable multifunction fruit picker (Machine translation)

Abstract: Source: CN207978379U **Machine translation:** The utility model portable adjustable multifunction fruit picking includes picking head, support portion and a part of the fruit picking robot and scissors head may be in two forms, and the picking head is a rapid transition between the robot form, its crawl scope, gripping force, the pitch and the circumferential angle, etc. can be adjusted according to the picking is fixed with the arm and the fixed rod and having bound together, so that the picker can hand grip gripping convenient, labor-saving, picking crawl or shearing, picking head tilt adjustment and telescopic rod telescopic adjustment by rotating rocker or potentiometer control servos achieve. Therefore, picking gripping convenient, simple operation, strong applicability and versatility.

Classifications:
International (IPC 8-9): A01D46/00 A01D46/20 A01D46/22 H04N5/225 H04N7/18 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207978379 U	20181019	CN201721758439U	20171215

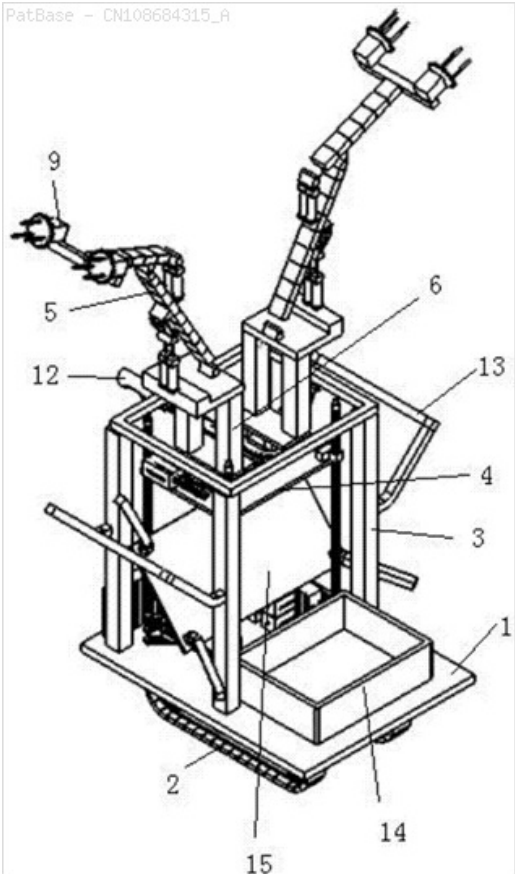
Priority:
CN201721758439U 20171215

Probable Assignee: KOREA LANG YU
Assignee(s): KOREA LANG YU

Title: A multi-directional fruit picking collect integrated device (Machine translation)

Abstract: Source: CN108684315A **Machine translation:** The present invention discloses a multi-directional fruit picking collect integrated device, comprising a base, a track mechanism, picking mechanism, collection agencies, the base is provided with a picking mechanism provided on the rack, and driven by the lifting mechanism driving the lifting mechanism, picking picking mechanism includes a mounting plate, the mounting plate has a symmetrical set of two arms, each arm includes a support picking picking rod, a first extension arm and a second extension arm, rotating picker, low point of the cylinder, the high point of the cylinder, the support lever rotation provided on the mounting plate, turn the picking device is mounted on the second extension arm tip; Collection agencies including the collection network, sideways top collection network, the collection box. The present invention compared to the prior art has the following advantages: May be a plurality of different positions of fruit picking height, multi-angle; Both can be a large angular rotation arm picking, picking work area greatly expanded; The collection devices and picking device integration.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108684315 A	20181023	CN201810779501	20180716

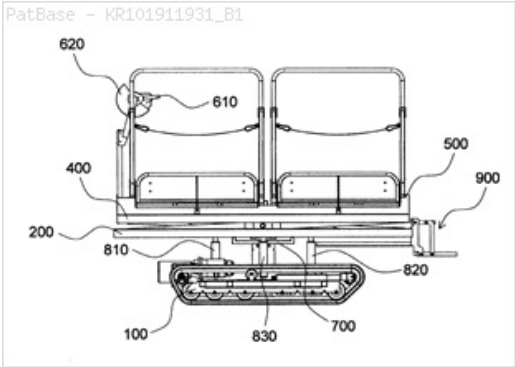
Priority:
CN201810779501 20180716

Probable Assignee: HEFEI UNIV
Assignee(s): (std) HEFEI UNIV

Title: AGRICULTURAL ELEVATION WORKBENCH WITH TILT ADJUSTMENT IN FRONT AND REAR AND LEFT AND RIGHT DIRECTIONS

Abstract: Source: KR101911931B **Machine translation:** In the present invention, when the rise and fall of the upper frame by the first and second cylinders has a stable balance to be able to ascend and descend the irregular ground in response to the inclination of the bottom frame, the right and left direction in the front and rear and the front and rear and the left and right sides to be adjusted so that the adjustable slope of aerial work platform, agricultural lift member on one side of the first and second lift member configured to connect the first cylinder to one side, the first and second lift member lift member of the other side of the second cylinder to the configuration on the other side of the first and second lift member to be more reliably to be able to raise and lower the upper frame and the lower frame, the lower portion of the auxiliary frame and the lower frame auxiliary frame two axes that are orthogonal to each other having a cross-shaped bearing, shaft being coupled to the lower frame is two axis in the center of each of the cross-shaped bearing, and so can be pivoted to the lower frame, and left and right front and rear cylinder module configured to cylinder which is The lower frame around the two axes of the cross-shaped bearing at the front and rear and the left and right direction, and to be tilted to one side of the bottom frame configured to assist the operator can board the footrest portion so as to be easily front and rear and the left and right direction, and capable of tilt adjustment relates to agricultural aerial work platform.

Classifications:
International (IPC 8-9): A01D46/20 B66F11/04
B66F17/00 (Advanced/Invention)
CPC: B66F11/044 A01D46/20 B66F17/006 B66F2700/09



Family:

Publication number	Publication date	Application number	Application date
KR101911931 B1	20181025	KR20170078791	20170621

Priority:
KR20170078791 20170621

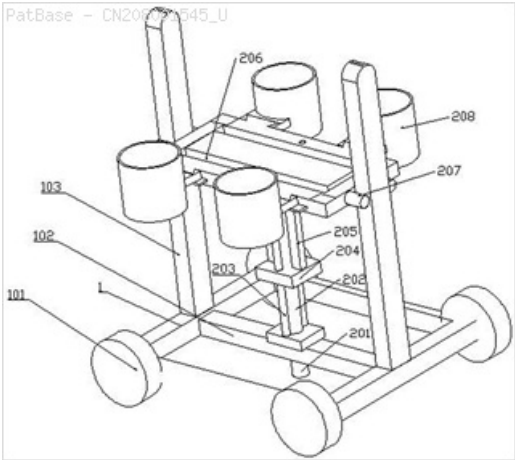
Probable Assignee: DOOSAN TECH CO LTD
Assignee(s): (std): DOOSAN TECH CO LTD
Assignee(s): AGRICULTURE FIRMS AND AGRICULTURAL CO DOOSAN TECH ; DOOSAN TECH CO
Inventor(s): (std): SONG JEONG HOON

Title: A fruit picking lifting device (Machine translation)

Abstract: Source: CN208001545U **Machine translation:** The utility model discloses a fruit picking lifting device, comprising a base (1), the base through the screw slide provided with lifting means, said lifting means is fixed above a mounting (206), said holder (206) detachably connected with a fruit basket (208).

Classifications:

International (IPC 8-9): A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208001545 U	20181026	CN201721711071U	20171211

Priority:

CN201721711071U 20171211

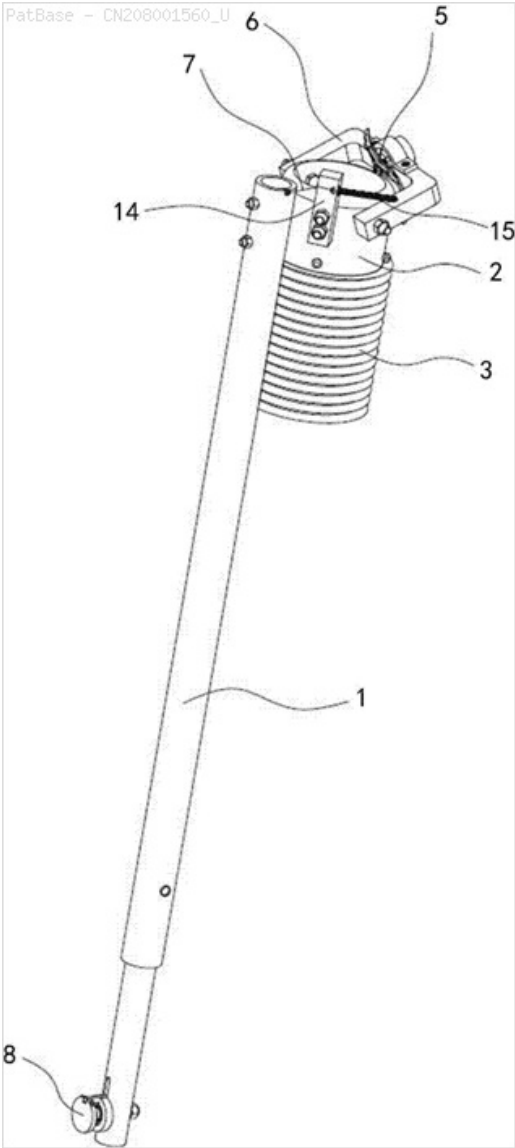
Probable Assignee: IN PANZHIHUA CITY DAY AND RUI AGRICULTURAL DEVELOPMENT CO LTD

Assignee(s): IN PANZHIHUA CITY DAY AND RUI AGRICULTURAL DEVELOPMENT CO LTD

Title: A fruit picking device (Machine translation)

Abstract: Source: CN208001560U **Machine translation:** The utility model discloses a fruit picking device, comprising: Telescopic rod, fruit boxes, fruit basket and shearing mechanism, the fruit box is connected to the telescopic rod, the basket is fixed is provided on the bottom frame of the fruit, the cutting mechanism comprises a drive member, the rotary blade and the U-shaped frame, said U-shaped bracket at both ends by the shaft connected to the outer wall of the fruit box, set in the middle of the U-shaped frame, said drive member and said rotary blade, the rotary blade is connected to; The telescopically extendable rod height adjustment, convenient for different heights fruits were picked, and the U-shaped frame rotating said rotary blade between the fruit and the fruit box from the side of the frame between the rotation, does not interfere with the next when picking the fruit into the fruit box, the fruit picking device structure is simple, can effectively were picking fruit, and the whole structure less space, can be shuttles between branches bifurcation were picking fruit and other small space.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22
A01D46/253 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208001560 U	20181026	CN201721847206U	20171225

Priority:

CN201721847206U 20171225

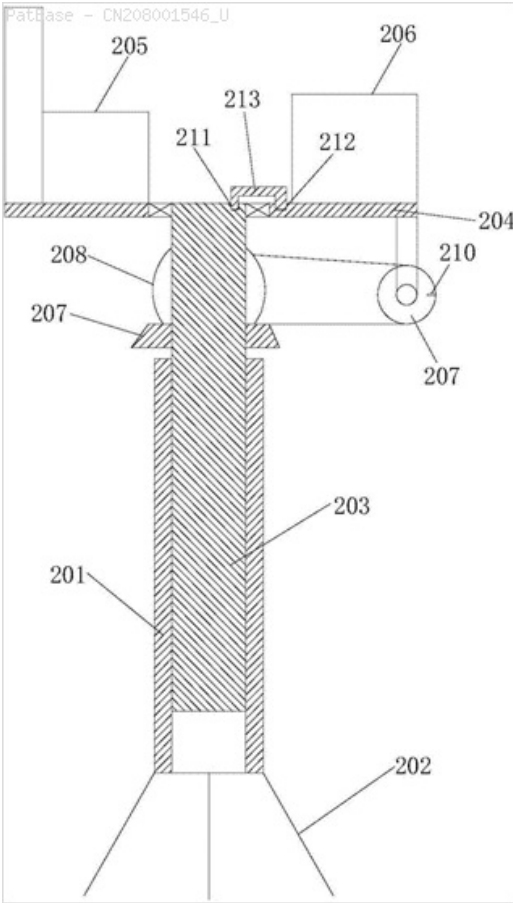
Probable Assignee: GUANGZHOU COLLEGE OF SOUTH CHINA UNIV OF TECHNOLOGY

Assignee(s): (std): GUANGZHOU COLLEGE OF SOUTH CHINA UNIV OF TECHNOLOGY

Title: For removal of brittle red plum fruit and auxiliary device (Machine translation)

Abstract: Source: CN208001546U **Machine translation:** The utility model discloses a can improve comfort when picking, while reducing the labor intensity of picking for removal of brittle red plum fruit and auxiliary devices. The auxiliary device comprising a fixed sleeve fixedly connected to the lower end of the sleeve, the sleeve is provided with a bracket with screw, screw the upper end of the support plate is provided with a bar, the upper end of the screw through a bearing fixed in the center of the support plate, the support plate on the surface provided with a seat and storage racks, the picking process, the picking personnel can only adjust the vertical position of the support plate according to the actual situation, but also the whole adjustment process, just use the foot pedal foot pedal can be realized, the operation is very convenient, and the whole process of picking picking personnel is on the seat, can greatly improve picking work comfort while without picking picking personnel bogie work, greatly reducing the labor intensity. Suitable accessories in plant cultivation areas of application.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208001546 U	20181026	CN201820171696U	20180131

Priority:

CN201820171696U 20180131

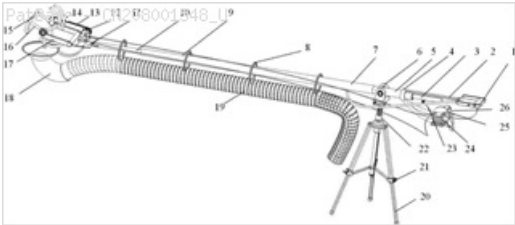
Probable Assignee: QINGCHUAN FRUITS PLANTING COOPERATIVES MAO LINGLING WOUNDS

Assignee(s): QINGCHUAN FRUITS PLANTING COOPERATIVES MAO LINGLING WOUNDS

Title: High altitude fruit picking device (Machine translation)

Abstract: Source: CN208001548U **Machine translation:** The utility model discloses a high altitude fruit picking device. The utility model comprises a control means, pneumatic drive means, picking means, collecting means and fixing means. The control device is controlled by a control switch and discouraged pipe composition; Pneumatic drive means by moving the piston, cylinder, rocker, wheel, motor, battery, pressure liter reduction rod tail ?, ? liter reduction rod pneumatic and pneumatic liter reduction rod III; Picking head device consists of a motor, chain, rotating picking head right triangle, triangle left turret, turret and boom; Collecting device by the yield fruit net bag, mobile network architecture and upload fruit mesh tube; Fixing device is controlled by a control switch connected to the battery holder arm, fixed to the motor bracket, piston, head motor bracket foot frame, the frame foot loading plate, locking device and the multi-DOF rotating head. The utility model solves the traditional picking instrument difficult to move, not flexible enough problems. And the whole is not too precision parts, low cost, effectively solve the actual needs of farmers.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208001548 U	20181026	CN201820214323U	20180207

Priority:
CN201820214323U 20180207

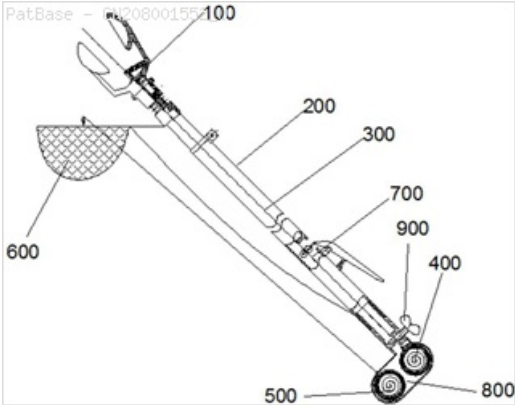
Probable Assignee: QUZHOU UNIV
Assignee(s): (std): QUZHOU UNIV

Title: Picking and picking device (Machine translation)

Abstract: Source: CN208001552U **Machine translation:** The utility model provides a picker picking fruit and vegetable picking equipment and devices, relates to the technical field. Picking includes a first claw head, the second claw head, a movable member, a first rotary sleeve, the second rotary jacket, a first spring, the second spring, the telescopic member, rope body and Volume line portion; The first jaw and the second jaw, the first jaw head forming head removal space with the first rotary sleeve fixedly connected, the second claw head and one side of the first rotating sleeve is hinged at one side of the movable member and the movable member connected to the articulated telescopic member, rotation of the first rotation and the second rotation sleeve fixed connection, the other end of the telescopic member connected to one end of the rope body and the movable member, and the other end connected to the first volume line unit is connected; A first spring connected to the first moving groove; The second end of the spring and the second rotary sleeve, and the other end abuts against the second spring, the other end of the telescopic member is connected. Solves the prior art, the technical problem on Apple picking cause damage. The utility model can simulate the manpower picking picking.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/22
A01D46/247 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208001552 U	20181026	CN201820243022U	20180209

Priority:

CN201820243022U 20180209

Probable Assignee:

HEBEI UNIV OF TECHNOLOGY

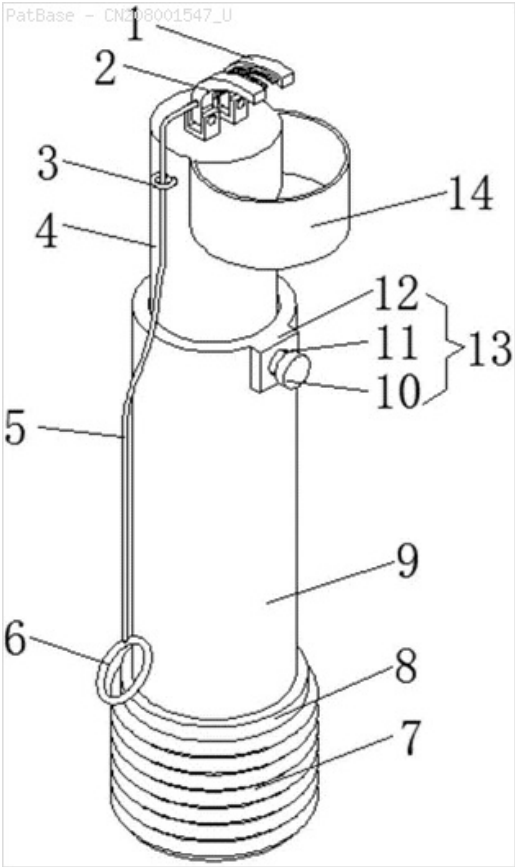
Assignee(s): (std):

HEBEI UNIV OF TECHNOLOGY

Title: A tape accommodated grab pepper picking tool (Machine translation)

Abstract: Source: CN208001547U **Machine translation:** The utility model discloses a tape accommodated grab pepper picking tool, comprising a first support rod, a first support rod, the upper end of the inner socket activity has a second support rod, the outer surface of the first support rod end is provided with a clamping mechanism, the second support bar is provided in the middle of the outer surface of the retaining ring, the outer surface of the right end of the second support rod is provided with storage box, and the second support rod, the upper surface side is provided with a first grasping mechanism, the second support rod, the upper surface of the other side is provided with a second catch mechanism, the first and second grab grab the inner bottom is provided with a spring, the second grasping mechanism in side surface provided with a through hole, the through hole has a rope, the rope end through the spring and the inner side of the first grasping mechanism connected. The present belt receiving the grab pepper picking tool, ease of use, you can adjust the length, can be Picking different heights, to facilitate rapid picking pepper pepper, saving time and effort to improve the efficiency of picking pepper.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208001547 U	20181026	CN201820422006U	20180327

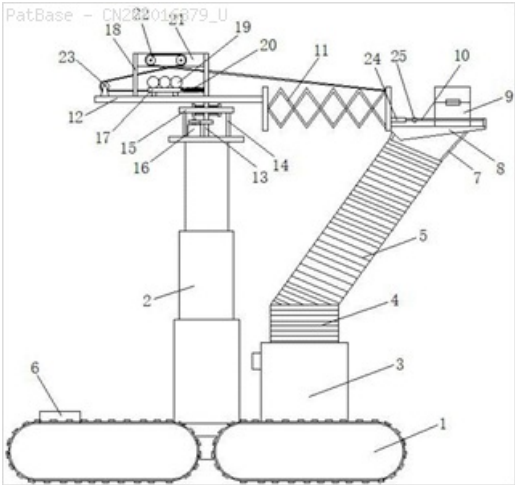
Priority:
CN201820422006U 20180327

Probable Assignee: TEMPERATURE LIJUAN
Assignee(s): TEMPERATURE LIJUAN

Title: A jujube automatic picking truck (Machine translation)

Abstract: Source: CN208016379U **Machine translation:** The utility model relates to the technical field of agricultural machinery, in particular to a jujube automatic picking cars, including crawler, hydraulic lifts, steering mechanism, picking mechanism, balancing mechanism and hydraulic telescopic arm, the hydraulic lifts and picking mechanism are mounted on the track car, the steering mechanism is mounted on the top of the hydraulic lift, the turning mechanism comprises a fixed installation on the hydraulic lift table top surface of the first motor, the first motor output shaft mounted horizontally disposed a gear meshing connected vertically disposed on a gear shaft, the bottom end is inserted in the top plate of the hydraulic lifts. The utility model high degree of automation, the whole process does not require jujube fruit growers direct participation, the liberation of the human, indirectly improve the efficiency of picking, through the smart phone to control, simple operation, suitable for all kinds of people use.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 A01D46/26
B07B1/04 B07B1/46 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208016379 U	20181030	CN201820433569U	20180329

Priority:

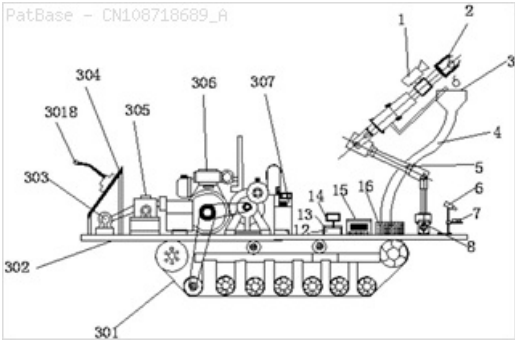
CN201820433569U 20180329

Probable Assignee: BAOJI UNIV OF ARTS
Assignee(s): (std): BAOJI UNIV OF ARTS

Title: One kind of picking robot mechanical devices (Machine translation)

Abstract: Source: CN108718689A **Machine translation:** One kind of picking robot mechanical devices, picking robot end effector, lost fruit, a mechanical actuator and control system; Mechanical actuator includes a wheeled smart mobile platform, picking arm and Underactuated picking robots and electric slide; Wheel smart mobile platform includes a crawler chassis, panel, control box, motor control cabinet, fruit collection tank and side baffle, the crawler chassis, the upper portion of the disk, the disk mating surfaces, of which one end is provided control box; Motor control cabinet is fixed in the middle of the wheel smart mobile platforms; Fruit collection box is located in picking arm and motor control cabinet; Efficiency, solve the rely on manual picking fruit growth position exceeds the height of the ladder carry out operations to use labor, low efficiency, and extremely dangerous, resulting in picking more difficult problems, in favor of a variety of fruit picking, secure, flexible and efficient, saving the fruit harvest labor costs.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 A01D46/24
A01D46/30 H04N7/18 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108718689 A	20181102	CN201810369264	20180423

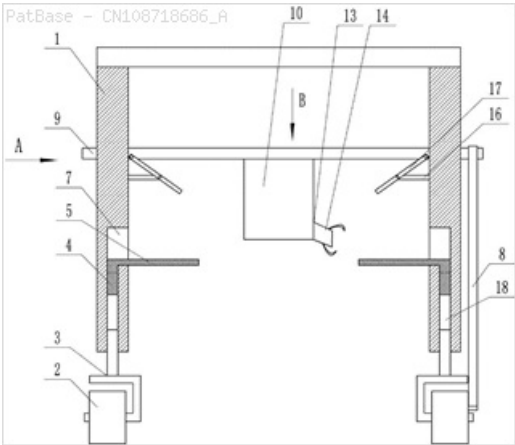
Priority:
CN201810369264 20180423

Probable Assignee: CHENGDU UNIV OF INFORMATION TECHNOLOGY
Assignee(s): (std): CHENGDU UNIV OF INFORMATION TECHNOLOGY

Title: For collected tea picking device (Machine translation)

Abstract: Source: CN108718686A **Machine translation:** The application of the present invention belongs to the tea collection equipment technology, specifically discloses a method for collection of tea picking device, comprising a frame, the frame on both sides of the lower portion are provided with a mounting base, the mounting base provided with its rotation of the roller, and the rack is located in a position above the roller is provided on the base plate, wherein the rack is provided on the crossbar, the upper roller is hinged to the strut, the strut is hinged crossbar; The crossbar is provided with collection box, said collection box with its slide connected to the push plate, the push plate and the collection box at the bottom of the collection tank, a spring connection between the lower portion of the discharge port opened a pilot, the pilot discharge port is provided at the guide tube, the guide tube is connected to the used for packaging tea bags, said collection tank inner wall is provided with a stopper, the push plate and the collection tank bottom are hollow. The present invention is mainly used for tea, to solve the tea stored centrally so that moisture after aggravated, easy to make, and ultimately affect the quality of tea tea mildew problems.

Classifications:
International (IPC 8-9): A01D46/04 A01D46/20 A01D46/22 B65B1/30 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108718686 A	20181102	CN201810454791	20180514

Priority:
CN201810454791 20180514

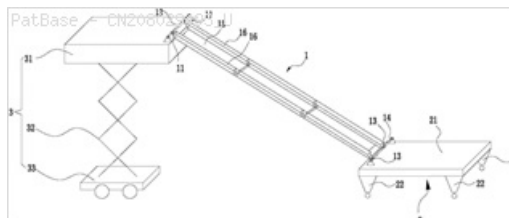
Probable Assignee: WUCHUAN COUNTY MIST GREEN TEA IND CO LTD
Assignee(s): WUCHUAN COUNTY MIST GREEN TEA IND CO LTD

Title: Plant picking device (Machine translation)

Abstract: Source: CN208029493U **Machine translation:** The utility model relates to plant picking equipment technology, provides a plant, plant picking device Picking apparatus includes lifting frame, the transmission mechanism, and a placement platform. Placement platform and lifting frame are placed on the ground, one end of the transmission mechanism, the transmission mechanism connected to the lifting frame and the other end is connected to the plant to be picking placement platform, through the transmission mechanism is transferred to the place on the platform. When picking picking personnel need different layers of plant, just stay in the operating lifting frame specified layer, and specify the plant through the transmission mechanism is transmitted to the layer located on the ground place on the platform. As such, without picking personnel in the plant cultivation layer with back and forth between the ground lifting, less time consuming, the efficiency is higher.

Classifications:

International (IPC 8-9): A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208029493 U	20181102	CN201820164394U	20180130

Priority:

CN201820164394U 20180130

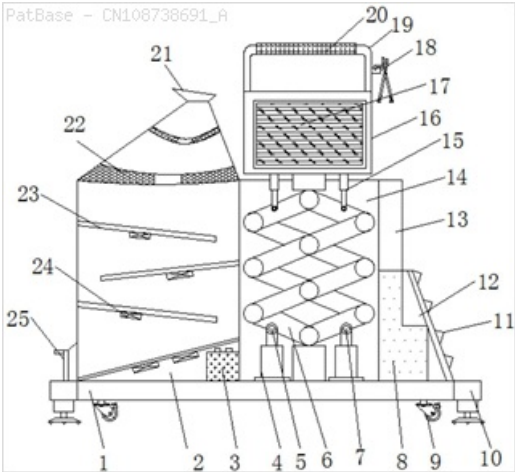
Probable Assignee: CHINA STAR UNIVERSAL SHENZHEN AGRICULTURE LTD

Assignee(s): CHINA STAR UNIVERSAL SHENZHEN AGRICULTURE LTD ; STAR GLOBAL SHENZHEN S AGRICULTURE LTD

Title: A apple picking with easy to adjust the height of climbing device (Machine translation)

Abstract: Source: CN108738691A **Machine translation:** The present invention belongs to the technical field picking device, especially an apple picking with easy to adjust the height of climbing equipment, for existing device structure is relatively simple, single-function problems, now proposes the following scheme, including support platform, said support platform top outer wall welded lifting folding box, folding and lifting the bottom of the inner wall of the center by a bolt fixed to the telescopic bracket, the bottom of the inner wall of the lift folding bolted with two electric lift rod and two electric lift rod extension rod are welded to the top of the outer wall of the first fixed shaft and second fixed shaft, the bottom end of the telescopic frame two active lever side outer wall welded symmetrical sleeve, and the sleeve plug there are the first fixed shaft and second fixed shaft. The present invention enables stable staff lifted up, high security device, in addition to picking after Apple Stores and protects a high capacity, high stability of the entire apparatus, not because the staff is too large to cause rollover motion.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22
H02J7/35 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108738691 A	20181106	CN201810592022	20180611

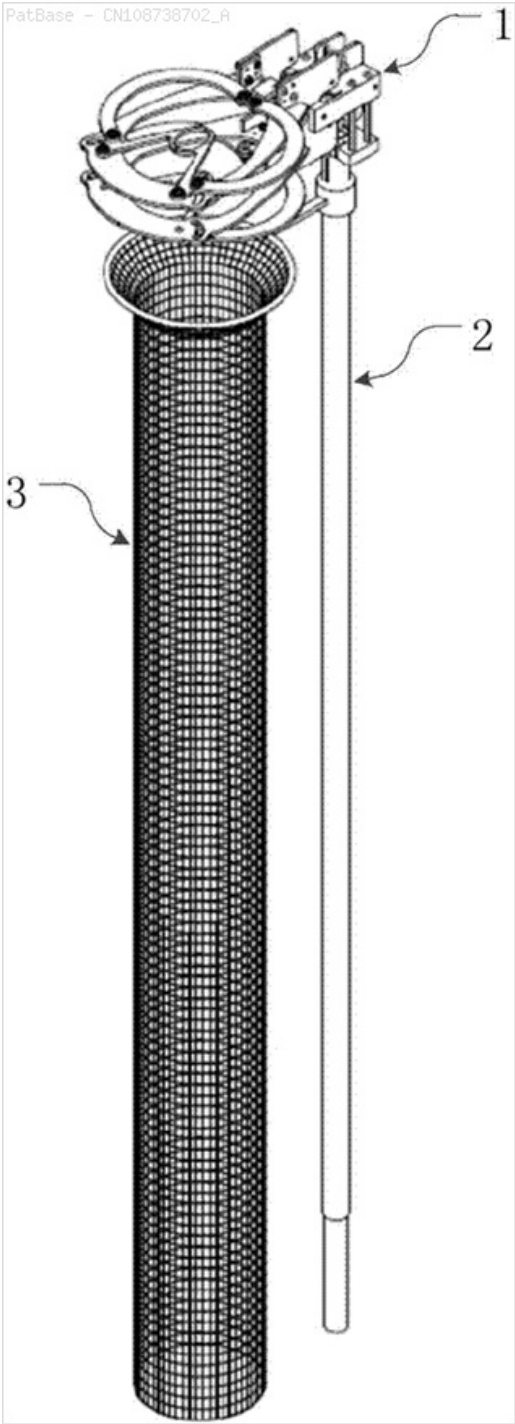
Priority:
CN201810592022 20180611

Probable Assignee: LIU RUI MEI
Assignee(s): LIU RUI MEI

Title: A peel-picking apples (Machine translation)

Abstract: Source: CN108738702A **Machine translation:** The present invention discloses a peel-malic picker, including actuators, controllers and additional network management, the actuator in communication with the controller using a wire drive, are fixed at both ends of the sleeve, additional web tube fixed to the actuator, through the line controller drive actuators, apples and apple branches separated after falling to the additional network management, complete picking apples. The present invention is apple picking device has a simple structure, easy operation, good adaptability, low cost, features. Have a good effect, easy to promote the use.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22
A01D46/247 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108738702 A	20181106	CN201810613710	20180614

Priority:
CN201810613710 20180614

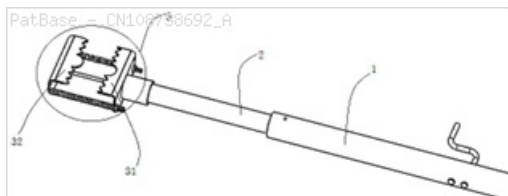
Probable Assignee: ZHEJIANG UNIV
Assignee(s): (std): ZHEJIANG UNIV

Title: A fruit picker (Machine translation)

Abstract: Source: CN108738692A **Machine translation:** The present invention discloses a fruit picker: Includes a support rod, telescopic rod and picking device; Said support bar disposed hollow; Set support rod; said retractable telescopic rod. Picking telescopic pole set, easy to carry; The picking device comprises a fixed turret, turret activities and rope; The fixed blade holder with telescopic rod top fixed settings; There is provided between the fixed and movable turret turret telescopic spring; Said movable turret turret of the blade and fixed blade corresponding; The fixed end of the rope is provided on a movable turret, the pull rope taut end disposed on the support bar at the bottom; The taut rope, the movable blade and the fixed blade holder turret of the blade bite; Rope pulling movable turret and turret fixed blade bite shear stalk. The present invention is a fruit picking device, the device design is reasonable, very convenient to carry; Capable of different fruit picking; Reducing the intensity of work picking fruit.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/247 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108738692 A	20181106	CN201810627142	20180619

Priority:

CN201810627142 20180619

Probable Assignee: SUZHOU TRISOMY INTELLIGENT TECHNOLOGY CO LTD

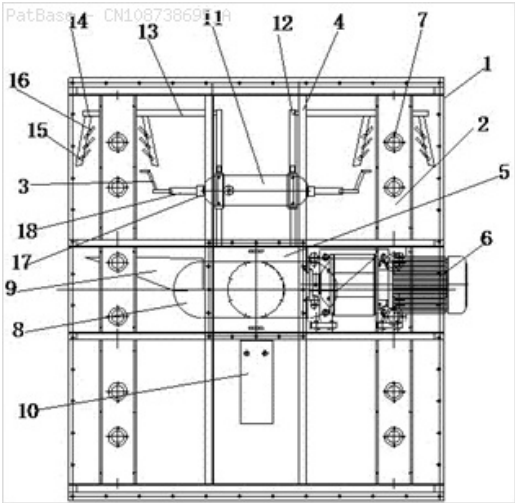
Assignee(s): SUZHOU TRISOMY INTELLIGENT TECHNOLOGY CO LTD

Title: One kind of dates harvest string structure (Machine translation)

Abstract: Source: CN108738695A **Machine translation:** The present invention is a coconut harvest dates string structure, characterized in that: The dates harvest string structure includes a frame, set the three-dimensional stereoscopic three-dimensional frame of auxiliary longitudinal rod, disposed in the longitudinal slide rails, provided on the longitudinal slide rail disposed on the longitudinal movement of the longitudinal movement of the seat, the seat drive motor, provided on the longitudinal movement of the seat on the line and scrape the fruit structures, said longitudinal auxiliary rods are cloth blown discharge port, on both sides of the longitudinal movement of the seat is provided with an extension plate, the extension plate is provided with a collecting hopper collection hopper, the lower portion of the collecting bin with a longitudinal movement of the seat connection. The present invention has the following beneficial effects: This structure is simple to implement, easy to use, effective guarantee of the complete harvest dates, but also improve the quality of products.

Classifications:

International (IPC 8-9): A01D46/20 A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108738695 A	20181106	CN201810657049	20180625

Priority:

CN201810657049 20180625

Probable Assignee:

WANG YING

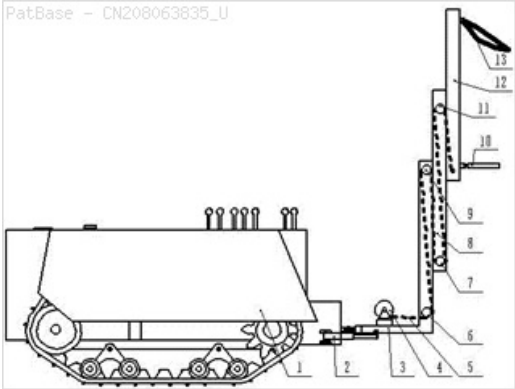
Assignee(s):

WANG YING

Title: One for orchard canopy-type tractor multi function (Machine translation)

Abstract: Source: CN208063835U **Machine translation:** The utility model is mainly applied to the field of agricultural equipment, relates to a method suitable for the type of multi-purpose tractors, orchard canopy mainly includes: The tractor body, hydraulic cylinders, the platform frame, hydraulic motors, rope, guide wheels, guide wheels ? ? ?, lifting frame, guide wheels, guide wheels, pedal ?, console frame, safety rope; The platform frame body connected by a hinge with the tractor, the hydraulic cylinder is connected by a hinge with the tractor body and the platform frame; The platform frame connected with the guide wheel guide wheel ?, ?, the hydraulic motor is fixed to the platform frame, the lifting frame is connected with the platform frame; Lifting frame with guide wheels, guide wheels ? ?, console frame with a lifting frame; The utility model has a lateral rotation, longitudinal lifting function, can solve the traditional canopy-type mountain orchards branches intersecting, narrow space, orchard field management difficult problem.

Classifications:
International (IPC 8-9): A01D46/20 A01G3/00
A01G7/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208063835 U	20181109	CN201820271802U	20180226

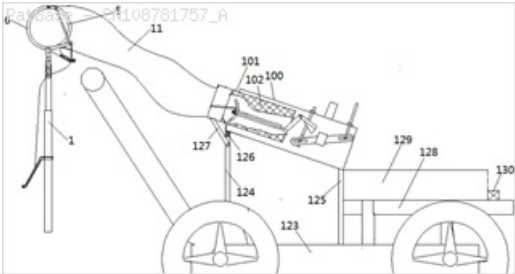
Priority:
CN201820271802U 20180226

Probable Assignee: NORTHWEST A AND F UNIV
Assignee(s): (std): NORTHWEST A AND F UNIV

Title: A mobile fruit picking the packaging blanking device (Machine translation)

Abstract: Source: CN108781757A **Machine translation:** The present invention discloses a mobile fruit picking the packaging blanking device, including the picking mechanism and mounted on a mobile trolley on the packaging mechanism; Picking mechanism is composed of telescopic rod and shear action mechanism and net bag; Packaging mechanism is composed of a swing arm, an inverted L-shaped lever and the toggle mechanism by picking robot, fruit net bag into the bag inside, through the toggle driven robot mesh bag sets in fruits into fruit basket, then blanking. The present invention is picking mechanism and packaging mechanism connected into one structure, small footprint, suitable for any space environment operation, no longer through the ladder to climb a tree or picking fruit picking fruit picking high-altitude operations, improve the labor environment, and bagging operation, to achieve the full automation of fruit trees such artificial fruit picking, reduce labor intensity and improve work efficiency.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/247 B65B1/32 B65B25/04 B65B61/10 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108781757 A	20181113	CN201810717485	20180703

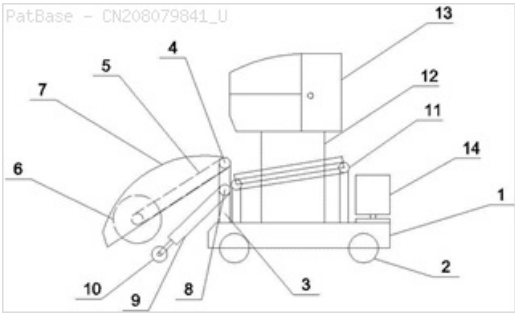
Priority:
CN201810717485 20180703

Probable Assignee: ANHUI XINHUA UNIV
Assignee(s): (std): ANHUI XINHUA UNIV

Title: A high efficiency of harvesting machine (Machine translation)

Abstract: Source: CN208079841U **Machine translation:** The utility model discloses a high efficiency of harvesting machine, includes a base plate, a wheel, a support column, the rotary shaft A, harvest, harvesting wheel arm, retaining cover, the rotary shaft B, support arm, front support wheel, conveying means, the base, the cockpit and collecting device, bottom plate lower surface is provided with a plurality of wheels mounted on the bottom plate end surface of the vertical support column support column top is provided with a rotating shaft, one end of the rotating shaft is connected to the harvest, harvest arm other end provided with a harvest, harvest wheel fixed top wheel cover, the support column provided with a rotation shaft B, the intermediate position of the support arm, the support arm is connected to one end of the rotation axis B, and the other end fixedly mounted on the floor surface mounting a front support wheels with transfer means, fixedly mounted on the bottom surface of the intermediate position of the base, the base is provided with a cabin, the floor away from the mounting surface of the support columns end fitted with the collection device, the utility model has reasonable structure, the scope is wide, unloading is very convenient, efficiency is greatly improved.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208079841 U	20181113	CN201820168781U	20180131

Priority:
CN201820168781U 20180131

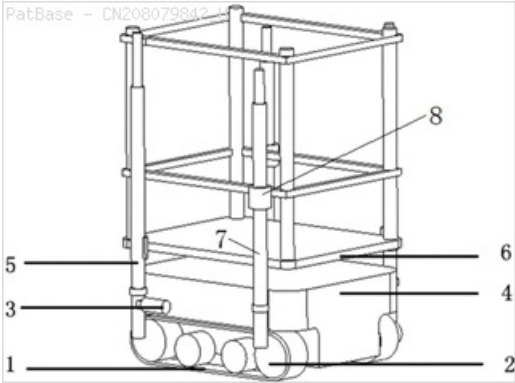
Probable Assignee: RUGAO HUACHANG AGRICULTURAL SCIENCE AND TECHNOLOGY CO LTD

Assignee(s): RUGAO HUACHANG AGRICULTURAL SCIENCE AND TECHNOLOGY CO LTD

Title: One kind of fruit and vegetable picking robot-assisted (Machine translation)

Abstract: Source: CN208079842U **Machine translation:** The utility model discloses a fruit and vegetable picking robot-assisted, it solves the prior art fruit and vegetable picking labor consumption, low efficiency problem, have reduced the process of picking the manual workload and improve production efficiency, to accelerate the development of agricultural facilities, and the advantageous effects, which play an important role in the program are as follows: One kind of fruit and vegetable picking robots, including the auxiliary chassis; Traveling mechanism is provided on the bottom or sides of the chassis, can travel on the ground; Picking personnel for supporting the lifting table, provided on the chassis; The lifting mechanism includes a lift rod is fixedly connected with the lifting platform.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/24 B66F11/04 B66F17/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208079842 U	20181113	CN201820354085U	20180315

Priority:
CN201820354085U 20180315

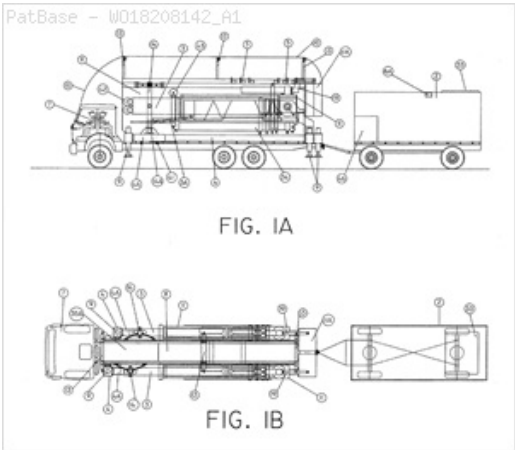
Probable Assignee: SHANDONG ACADEMY OF SCIENCES INST OF AUTOMATION
Assignee(s): (std): SHANDONG ACADEMY OF SCIENCES INST OF AUTOMATION

Title: HARVESTING AND CROP CARE MACHINE

Abstract: The invention discloses a single work platform solution for the vast majority of harvesting, crop care and logistic needs of the palm oil plantation industry, that will lead to and yield higher economic return of such plantation land whilst improving its ecological footprint.

Classifications:

International (IPC 8-9): A01D27/04 A01D43/06 A01D45/00 A01D46/20 A01D75/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
WO18208142 A1	20181115	WO2018MY50026	20180504

Priority:

MY20170701637 20170508 MY20180701783 20180504

Probable Assignee: BIN HALIM RASIP AMIN

Assignee(s): (std): BIN HALIM RASIP AMIN

Inventor(s): (std): BIN HALIM RASIP AMIN

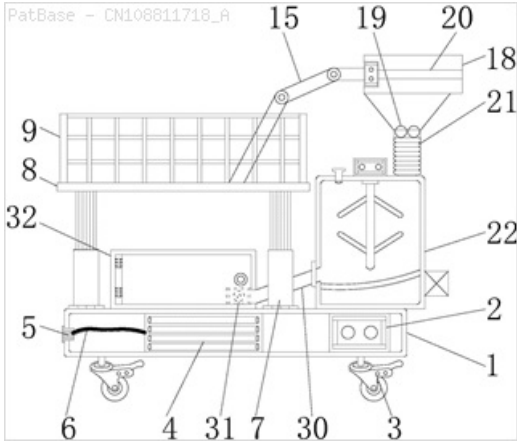
Agent(s): LOK CHOON HONG

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: A ginkgo leaf picking machine (Machine translation)

Abstract: Source: CN108811718A **Machine translation:** The present invention discloses a Ginkgo biloba picking machine, relates to the technical field picking device, comprising a control box and a robotic arm, the robotic arm end fitted with mechanical shear and receiving hopper, the hopper is internally provided with a crushing roller drying box at the upper end of the stirring motor, the motor output end is connected with a stirring rod and the stirring rod through the drying box at the top of the wall into the interior, vibrating screen, vibrating screen disposed in the drying chamber is connected to the output shaft of the vibration motor, the drying box at the bottom with a collection tray, the drying tank outlet is connected with a discharge tube, the discharge tube is connected to the left end of the suction machine, suction feeder set in Sheng tank interior, further comprising a first pressure sensor and the second pressure sensor. The present invention enables the acquisition of Ginkgo biloba, crushing, de-stemmed, drying and collection, high integration, and high efficiency.

Classifications:
International (IPC 8-9): A01D46/00 A01D46/20 B07B1/28
F26B11/14 F26B23/06 F26B25/00 F26B25/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108811718 A	20181116	CN201810503888	20180523

Priority:

CN201810503888 20180523

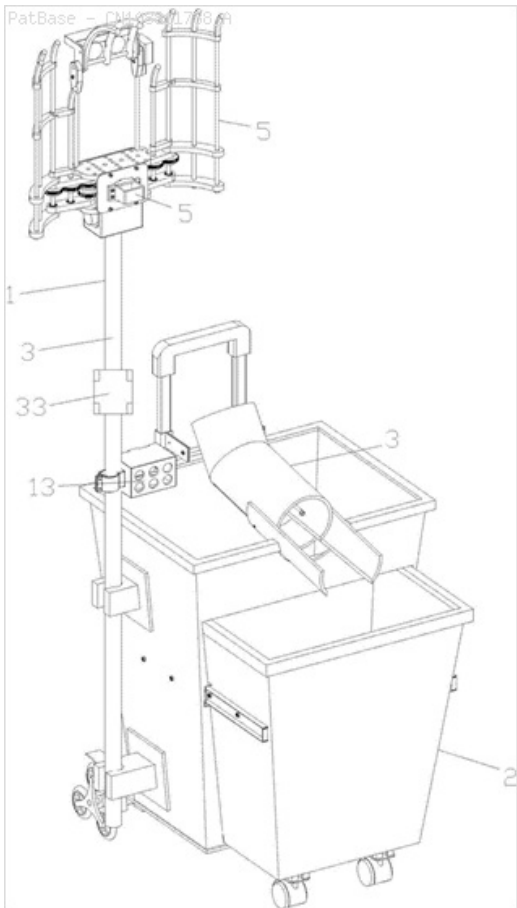
Probable Assignee: ANHUI MAPLE YA XUAN SCIENCE AND TECHNOLOGY INFORMATION SERVICE CO LTD

Assignee(s): ANHUI MAPLE YA XUAN SCIENCE AND TECHNOLOGY INFORMATION SERVICE CO LTD

Title: Adjustable picking apples auxiliary device (Machine translation)

Abstract: Source: CN108811738A **Machine translation:** A adjustable auxiliary apple picking device comprising picking arm for picking apples and means for receiving the apple with a collection bucket, wherein picking arm and collecting bucket by mesh bag between channel connection, picking arm is provided with just the right lever and the picking unit, change type picking unit is provided with just the right rod mounted on the first motor, the first motor housing is mounted on the mount, the mount upper end mounted with the inclusion of the jaws, the jaws with the use of the picking picking picking jaw 52 has a front portion and a cutting portion, stems inside the mount with a pair of rotatable connection about the distribution with the use of picking gripper, inclusive inclusive claw claw through the first motor driver; Just the right rod mounted video auxiliary unit and a control and change type picking unit controller. The present invention can be adjusted formula apples auxiliary picking device can achieve two different picking mode can be realized into a string, can also be a single auxiliary shutoff picking, picking efficiency, flexibility is good, worthy of promotion.

Classifications:
International (ipc 8-9): A01D46/20 A01D46/22 A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108811738 A	20181116	CN201810843188	20180727

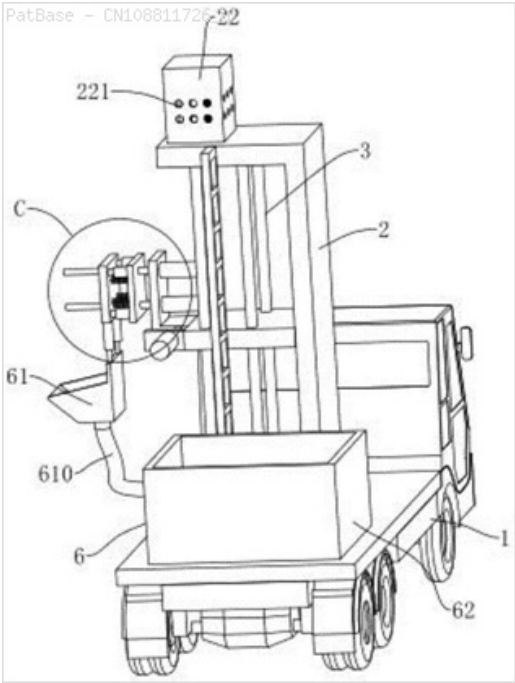
Priority:
CN201810843188 20180727

Probable Assignee: ZHEJIANG INST OF MECHANICAL AND ELECTRICAL ENGINEERING
Assignee(s): (std): ZHEJIANG INST OF MECHANICAL AND ELECTRICAL ENGINEERING

Title: One kind of hills and mountains haulage machine with a landing device (Machine translation)

Abstract: Source: CN108811726A **Machine translation:** The present invention discloses a kind of hills and mountains conveyor with landing means, including fixed on the conveyor on the rack, the rack in the vertical direction is connected to the fixed platform, the platform is fixed by the chassis, and the first driving unit driving the vertical slip, the fixed platform is also provided with a movable portion, the movable portion of the pound pound in the rack under the action of the second driving unit in a fixed platform two vertical dimension for the adjustment of the position of the movable portion is also connected to pound pound pound for collecting said movable portion falling fish, pound pound collection unit collecting unit can be collected below the movable portion of the movable portion pound pound dropped objects; The device can be adjusted in three dimensions, is more flexible, so that pound pound actuated position manually chestnut, chestnut tree is not easy remaining chestnut, chestnut can be collection unit, and pound fall, reducing the pickup chestnut work intensity.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/26 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108811726 A	20181116	CN201811057739	20180911

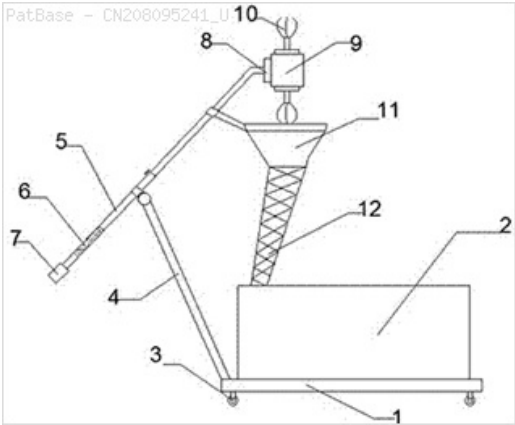
Priority:
CN201811057739 20180911

Probable Assignee: HUNAN UNIV OF ARTS AND SCIENCE
Assignee(s): (std): HUNAN UNIV OF ARTS AND SCIENCE

Title: A simple picking peaches (Machine translation)

Abstract: Source: CN208095241U **Machine translation:** The utility model discloses a simple picking peaches, comprising a bottom plate, a collection box, wheels, push rod, telescopic rod, rubber sleeve, the rotary switch, shaft, servo motor, the mechanical grip, net bag, slow down network, separator, and the collecting channels and deceleration plate, the utility model has the following beneficial effects: Net bag with net hook connection, and slow down Wangdou bottom provided with elastic rope, when you need a small amount of picking peaches, peaches does not need to be placed in the collection box, but also easy to pick picking out of peaches, the telescopic rod provided with fastening nut is fixed length, and when used will not loosening of the mechanical grip disposed the tip with a pressure sensor and is easy to control the mechanical grip of the clamping extent, to avoid gripping force is too small or too large for the picking process impact, under the action of the servo motor shaft 180 degrees rotation, improve picking efficiency, collecting channel opened filter pore diameter gradually increases, the peaches automatically screening, saving time and manpower.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22
A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208095241 U	20181116	CN201820582026U	20180423

Priority:

CN201820582026U 20180423

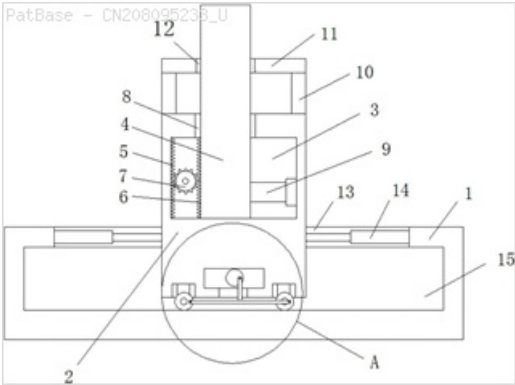
Probable Assignee: SIYANG EXPENSIVE FRUITS AND VEGETABLES PROFESSIONAL COOPERATIVES MOUTH

Assignee(s): SIYANG EXPENSIVE FRUITS AND VEGETABLES PROFESSIONAL COOPERATIVES MOUTH

Title: An auxiliary artificial convenient fruit picking device (Machine translation)

Abstract: Source: CN208095233U **Machine translation:** The utility model discloses a auxiliary artificial convenient fruit picking device, comprising a base, said base is provided with a second chamber, said second chamber the inner wall of the bottom in the picking means slidably connected to the body, the inner wall of the top of the second chamber is formed with a second through-hole, and the picking device on top of the body through the second through hole and extending to the base, the picking apparatus body sides are welded two cushioning cushioning hydraulic cylinder, hydraulic cylinder away from each end of the side wall of the second through hole is welded to the picking apparatus body is provided with a first chamber. The utility model has simple structure, since the gear meshing with the first rack and the second rack meshing engagement, so that the second drive motor driven lifting column can lift, while the first drive motor is driven by the first, the second eccentric eccentric rotation will at first eccentric driven horizontal displacement within the second chamber, easy to use.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208095233 U	20181116	CN201820571332U	20180420

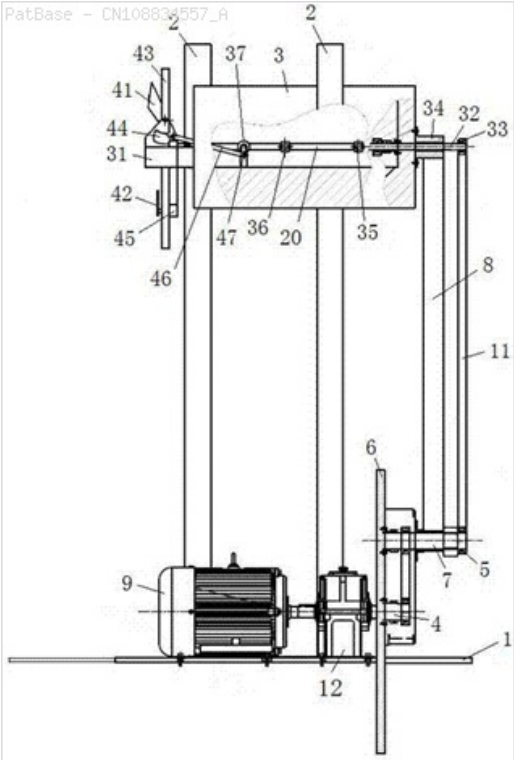
Priority:
CN201820571332U 20180420

Probable Assignee: WANG
Assignee(s): WANG

Title: A shear-type mulberry picking machine (Machine translation)

Abstract: Source: CN108834557A **Machine translation:** The present invention discloses a shearing type mulberry picking machine comprising a base, a power output device, Column, knife, cut knife assembly, the power output device is provided on the base; The uprights vertically disposed on the base, said carriage sleeved on the column, the shear cutter assembly mounted on the front end side of the tool holder, said power output means via transmission gearing IX and X, respectively, and the turret and turret of the shear drive means is connected, on the one hand, on the other hand through the turret drive along the column lift drive means for driving the turret of the shear shearing blade assembly is cut jobs. The present invention is picking speed high picking efficiency, easy to use.

Classifications:
International (IPC 8-9): A01D46/00 A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108834557 A	20181120	CN201810706269	20180702

Priority:
CN201810706269 20180702

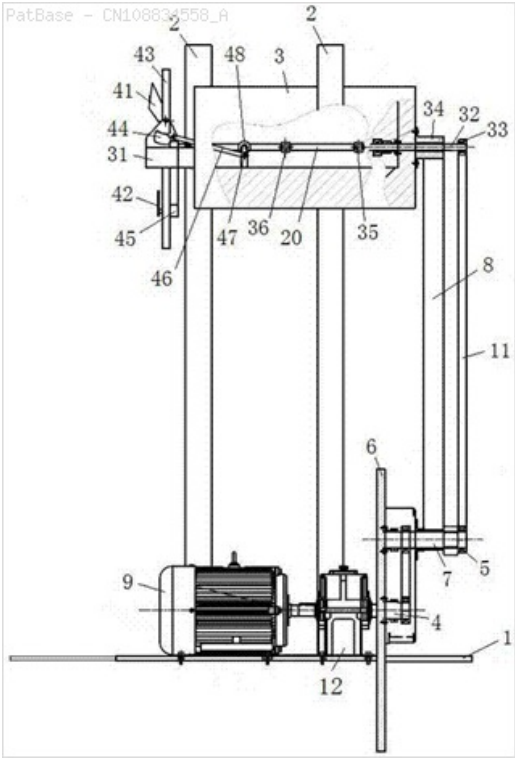
Probable Assignee: GUANGXI NORMAL UNIV
Assignee(s): (std): GUANGXI NORMAL UNIV

Title: A shear-type mulberry picking device (Machine translation)

Abstract: Source: CN108834558A **Machine translation:** The present invention discloses a shearing type mulberry picking device comprising the shearing blade shearing knife assembly, the assembly includes a vertical blade, a rotating blade, slider, slider, rotating shaft II, connecting rod II; The vertical blade by a slider mounted on the slide bar; The shaft III is provided on one end of the crank, the crank and connecting rod II activities hinged at one end, the other end of the link II activities connected with the slider hinge; The rotating shaft is provided on the slider II, located in the lower part of the slider moves downward below the final stroke; The rotating shaft through gearing VI II are coupled with motive power transmission mechanism 15 is connected to the drive device VI driven to rotate; The rotary blade mounted on the rotating shaft II, located directly below the vertical blade. The present invention is picking speed high picking efficiency, easy to use.

Classifications:

International (IPC 8-9): A01D46/00 A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108834558 A	20181120	CN201810706587	20180702

Priority:

CN201810706587 20180702

Probable Assignee:

GUANGXI NORMAL UNIV

Assignee(s): (std):

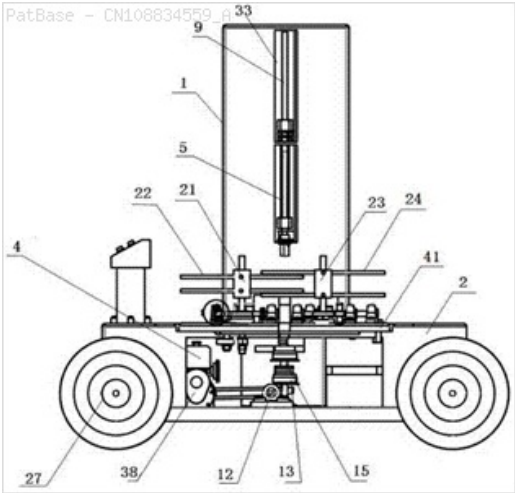
GUANGXI NORMAL UNIV

Title: A segmented mulberry picking machine (Machine translation)

Abstract: Source: CN108834559A **Machine translation:** The present invention discloses a segmented mulberry picking machine comprising a base, a power output device, lifting devices, lifting devices II I, picking arm a, arm b, picking tool a, tool b, walking devices, lifting devices, lifting devices II I vertically disposed on the base, through a transmission mechanism of the power output apparatus in accordance with the lifting device, the lifting device I connected I drive; The lifting device I connected with the lifting device by synchronous mechanism II, II with the lifting device synchronization; The picking arm a is mounted on the lifting device, the lifting device I I driving under the lift, picking arm a the front end is provided with a tool; The picking arm b mounted on the lifting device II, II in lifting device driving under the lift, picking arm b of the front end is provided with Tool B. The present invention is picking speed high picking efficiency, easy to use.

Classifications:

International (IPC 8-9): A01D46/00 A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108834559 A	20181120	CN201810707601	20180702

Priority:

CN201810707601 20180702

Probable Assignee:

GUANGXI NORMAL UNIV

Assignee(s): (std):

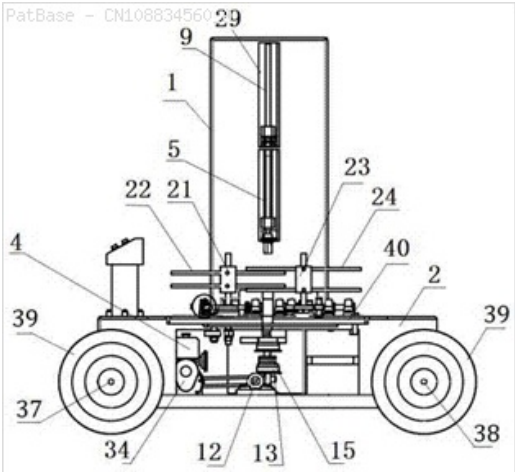
GUANGXI NORMAL UNIV

Title: A segmented mulberry picking device (Machine translation)

Abstract: Source: CN108834560A **Machine translation:** The present invention discloses a segmented mulberry picking device I comprises a lifting device, lifting device II, picking arm a, tool a, tool b, picking arm b, the lifting device I connected with the lifting device by synchronous mechanism II, II with the lifting device synchronization; The picking arm a is mounted on the lifting device, the lifting device I I driving under the lift, picking arm a the front end is provided with a tool; The picking arm b mounted on the lifting device II, II in lifting device driving under the lift, picking arm b of the front end is provided with Tool B. The present invention is picking speed high picking efficiency, easy to use.

Classifications:

International (IPC 8-9): A01D46/00 A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108834560 A	20181120	CN201810736965	20180702

Priority:

CN201810736965 20180702

Probable Assignee:

GUANGXI NORMAL UNIV

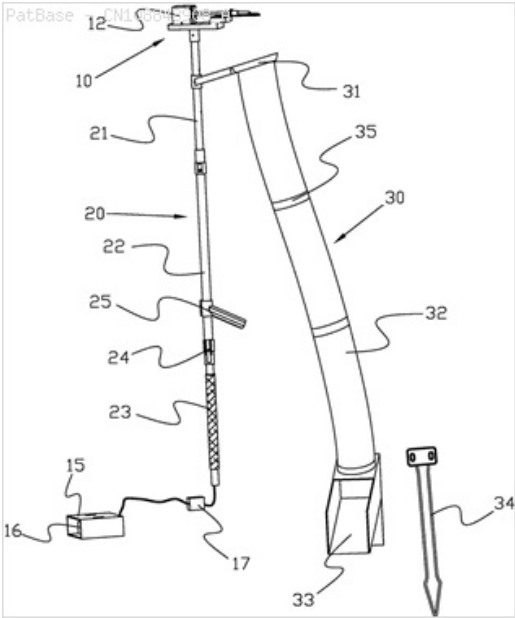
Assignee(s): (std):

GUANGXI NORMAL UNIV

Title: A scissors ganzi picking device (Machine translation)

Abstract: Source: CN108848908A **Machine translation:** The present invention discloses a scissor ganzi picking device comprising shear module, telescopic rod and the delivery module; Telescopic rod comprises inner rod, rod, rod, handle and adapter sleeve rod, the other end of the inner side wall is provided with a rotating chute, and the shank of the connecting end of the outer side is provided with a slider, the shear module comprising slip scissors, screw motor, screw bushing, a holder, a housing, a power supply and control switch, the transport module includes a fixed ring frame, bag, slide rod and plug. Using the telescopic rod telescopic rod length can be adjusted, and then adapt to different heights of the ORANGES tree, while shank and the sleeve rod is rotated in the direction of the scissors shear module to adjust and improve the flexibility of the shear. Moreover shear slip scissors through the screw drive driven, so that the bite force is large, easy to slip scissors shear ganzi. When the shear oranges, oranges homeopathy will fall into the inner bag, just below the transport module to improve picking device practicality.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22 A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108848908 A	20181123	CN201810643209	20180621

Priority:
CN201810643209 20180621

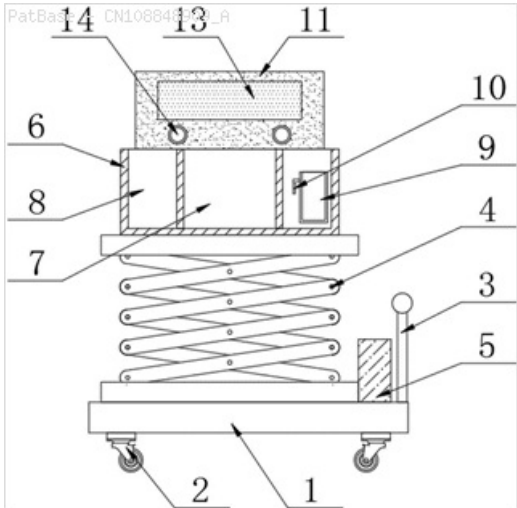
Probable Assignee: NINGDE NORMAL UNIV
Assignee(s): (std): NINGDE NORMAL UNIV

Title: One kind of agriculture picking lifts (Machine translation)

Abstract: Source: CN108848909A **Machine translation:** The present invention discloses a kind of agriculture picking lifts, including the base, and the base has a bottom roller, the top of said base is provided with a side implementation architecture, the implementation of the frame side is provided with a lifting frame, the lifting frame side is provided with a drive motor, said lifting frame with a carrying case, said carrying case is provided inside the warehouse, the warehouse standing standing on both sides are provided with a storage compartment, the storage compartment with internal storage, the storage basket basket side is provided with a hook, said bearing housing side provided with a protective plate, the protective plate is provided between the inner wall of the bearing box fixed frame, the protective plate is provided with an observation window. The present invention is provided with a protective plate, the user by pushing the implementation architecture, via roller move the device to fruit trees, the user stands in the standing inside the warehouse, the drive motor operates via lift frame drive carrier box lift, curved panels and the guard plate is provided to prevent the branches on the user's face and body that scuffing.

Classifications:

International (IPC 8-9): A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108848909 A	20181123	CN201810717234	20180703

Priority:

CN201810717234 20180703

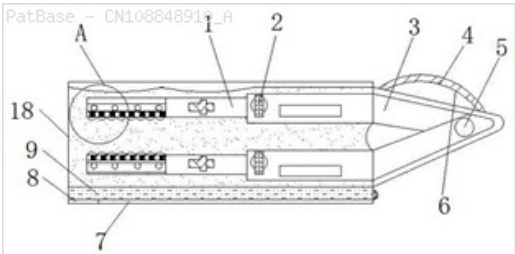
Probable Assignee: HEFEI SICHUAN MOUND ECOLOGICAL AGRICULTURE TECHNOLOGY DEVELOPMENT CO LTD

Assignee(s): HEFEI SICHUAN MOUND ECOLOGICAL AGRICULTURE TECHNOLOGY DEVELOPMENT CO LTD

Title: A green money willow leaf picking tool (Machine translation)

Abstract: Source: CN108848910A **Machine translation:** The present invention discloses a green money willow leaf picking tool, including telescopic rod and an illumination lamp, the outer wall of the telescopic rod fixing bolts, and telescopic rod connected to the right end of the upper end of the handle, the handle is provided with a handle, and the handle of the outer wall mounted sweat bands, the handle is installed inside the rotating shaft, the bottom of said telescopic rod is provided with a chute, the chute is installed inside the slider, and the slider is connected with a suction plate, the suction plate the outer wall is provided with a gauze cover, the suction plate is provided with a quarantine network, the isolation network inside and the right end of the handle, the left end of the telescopic rod is provided with a rubber and rubber upper end connected to the second panel, the second panel is connected with a spring. The green money willow leaf picking tool is provided with a telescopic rod according to the actual situation, the user can freely adjust the length of the telescopic rod by fixing bolts, convenient user picking green money willow leaves, greatly increasing the green money willow leaves the convenience of use.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22
F21V33/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108848910 A	20181123	CN201810880397	20180803

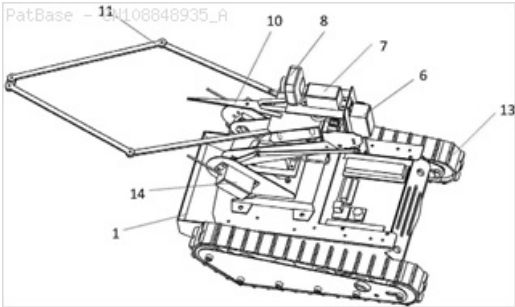
Priority:
CN201810880397 20180803

Probable Assignee: RONG JIANG PINGYANG ECOLOGICAL PARK DEVELOPMENT CO LTD
Assignee(s): RONG JIANG PINGYANG ECOLOGICAL PARK DEVELOPMENT CO LTD

Title: A method for picking fruit bionic robot (Machine translation)

Abstract: Source: CN108848935A **Machine translation:** The present invention relates to a bionic robot for picking fruit, including travel agencies, institutions and used to identify the position of the robotic arm, picking fruit imaging scanner, the mechanical arm is fixed to the undercarriage, said picking mechanism comprises a support frame, diamond-shaped diamond-shaped telescopic frame, for controlling the telescopic shelf extends or retracts the first control member and disposed on the inner side of the chain saw diamond telescopic frame, said support frame and connected to the output of the robotic arm movement, the diamond-shaped telescopic frame the first corner of the support frame. The present invention imitation by a transformation pelican ? body structures and imitation of ? pelicans feeding behavior, designed a fruit picking robot, which utilizes intelligent mode of production in the process of fruit growers reduce labor intensity and production costs, can effectively increase the production efficiency of the whole industry.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22
A01D46/30 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108848935 A	20181123	CN201810874419	20180803

Priority:
CN201810874419 20180803

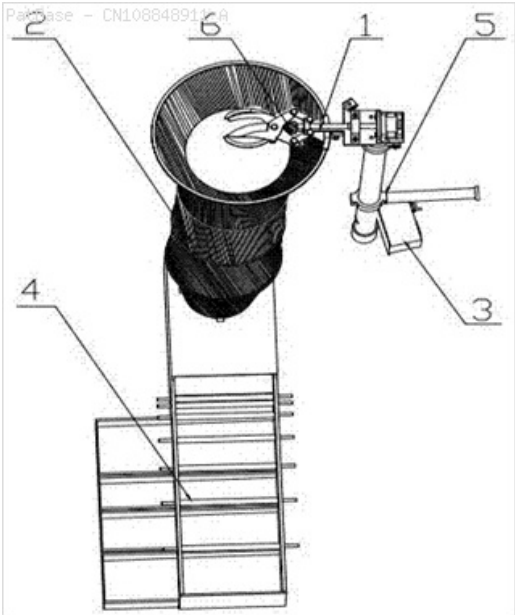
Probable Assignee: GUANGDONG UNIV OF TECHNOLOGY LI HUA COLLEGE

Assignee(s): GUANGDONG UNIV OF TECHNOLOGY LI HUA COLLEGE ; GUANGZHOU LI VOCATIONAL COLLEGE OF TECHNOLOGY

Title: One kind of electric portable fruit picking device (Machine translation)

Abstract: Source: CN108848911A **Machine translation:** The present invention discloses a kind of electric portable fruit picking device, comprising a drive unit, picking device, transfer device collection device and gripping device. The drive device is mainly composed of a lithium battery, drive plate, a microcontroller and a battery frame and other components; The picking device consists of telescopic rod, curved scissors, scissors linkage, a stepper motor, nut, motor block and miniature cameras constitute a push plate; Said conveying device consists of long nets, aluminum ring, and closeout string buffer network constituted; The collection device consists of a feed port, the discharge port, roller and sponge mats composition; The device consists of a claw crawl crawl, crawl coupling rod, incomplete gear, a bevel gear, bevel gear shaft. The present invention proposes an electric portable fruit picking device can achieve semi-automatic, first grab the positioning after picking, the control cutter rotary cutting, fruiting separation, transport, and sorting function, and ultimately achieve fruit picking and collection.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22
A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108848911 A	20181123	CN201810940077	20180817

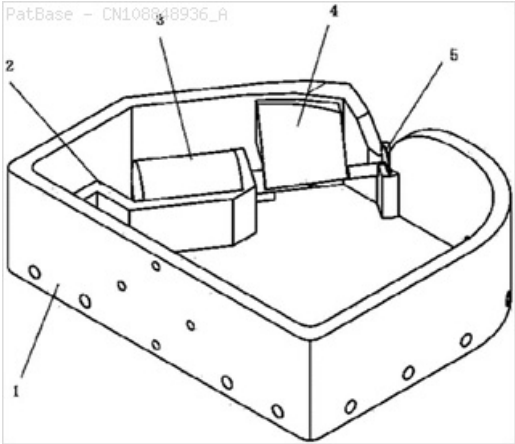
Priority:
CN201810940077 20180817

Probable Assignee: CHANGSHA UNIV OF SCIENCE AND TECHNOLOGY
Assignee(s): (std): CHANGSHA UNIV OF SCIENCE AND TECHNOLOGY

Title: A circular fruit and vegetable picking robot end effector and implementation method thereof (Machine translation)

Abstract: Source: CN108848936A **Machine translation:** The present invention discloses a circular fruit and vegetable picking robot end effector and its implementation. Circular fruit and vegetable picking robot end effector includes round like fruits and stopper housing, motor-limit housing connecting frame, DC motor, baffles, circular saw blade, the motor - ground rod connection rod, the rod. Round tubular housing capable of fruits and vegetables fruits and vegetables stopper limit position and the stems is directed to the DC motor, motor coupling lever and the coupling lever connecting rod - formed cutting system cut range, when picking operations. The present invention has a mechanical structure is simple and compact, wide application range, the advantage of high fault tolerance.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/30 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108848936 A	20181123	CN201810999628	20180828

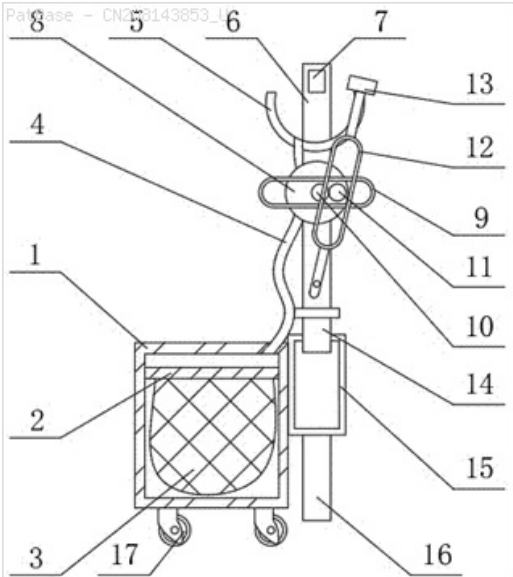
Priority:
CN201810999628 20180828

Probable Assignee: SOUTH CHINA AGRICULTURAL UNIV
Assignee(s): (std): SOUTH CHINA AGRICULTURAL UNIV

Title: A high-altitude forest take fruit machine (Machine translation)

Abstract: Source: CN208143853U **Machine translation:** The utility model relates to a fruit picking technology, particularly to a high-altitude forest take fruit machine, comprises a box body and the fixed plate, the inside of the box is fixedly connected with the fixed plate, the fixing plate is fixedly connected with the bottom of the net bag, the top of the cabinet is fixedly connected to the delivery tube, the delivery tube is fixedly connected holder, the holder and the inner side of the fixed connection with a fixed rod, the fixing rod is fixedly connected with the front end face milling cutter block, the front end face of the fixed rod connected with a rotating turntable, said fixing rod is fixedly connected with a motor, the utility model in the turntable driven by the motor, through the fixing ring moves the cutting blade to achieve the fruit picking, the picking process, the fruits fall into the holder, fell to the ground will not cause loss and motor is very convenient, which is reliable, high efficiency, can reduce the labor time, with huge economic and broad market prospects.

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22
A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208143853 U	20181127	CN201820363496U	20180317

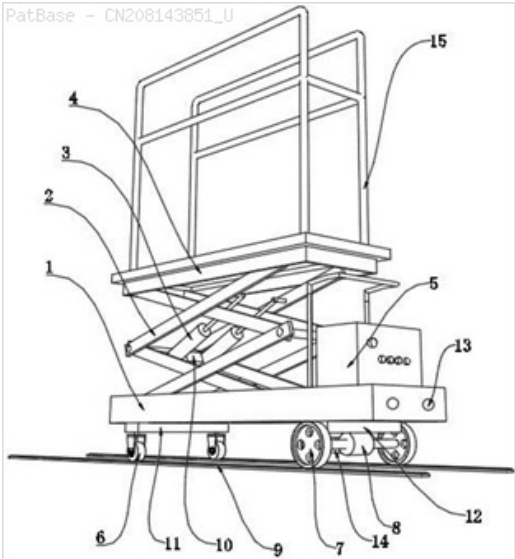
Priority:
CN201820363496U 20180317

Probable Assignee: ZHUANG XIAOXIA
Assignee(s): ZHUANG XIAOXIA

Title: Remote control lifting picking greenhouses track transportation vehicle (Machine translation)

Abstract: Source: CN208143851U **Machine translation:** Disclosed in the present utility model greenhouses track remote control lifting picking truck, the present utility model greenhouses track remote control lifting picking truck, includes a frame, lifting brackets, hydraulic rod, lifting platform, control box, the follower wheel, wheels, rear axle, rail, hydraulic cylinders, rod, turn wheel turntable, sensors and motor; The lifting bracket is mounted on the frame; Said lifting platform and lift hinge bracket; Said hydraulic rod mounted on the lifting scaffold, and hydraulic cylinder connected; Said hydraulic cylinder and the control box is connected; The control box is mounted on the frame; The follower wheel mounted on a round rod, the round rod mounted on the bottom of the frame; The drive wheel and connected to the rear axle; Turn the rear axle mounted above the turntable; The turn circle and bottom of the frame connector; The utility model by rail car platform way, help to improve the efficiency of manual picking, reduce labor pocket transfer time, thereby improve picking efficiency, and hydraulic lifting bracket to solve the picking height of the problem.

Classifications:
International (IPC 8-9): A01D46/20 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208143851 U	20181127	CN201820682393U	20180509

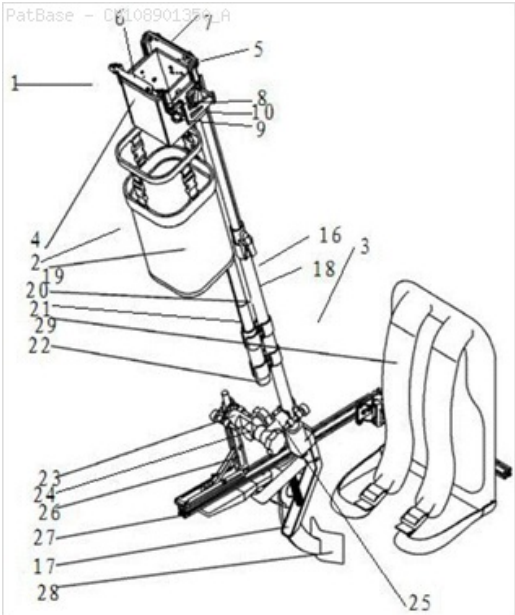
Priority:
CN201820682393U 20180509

Probable Assignee: ZHENG HUAFENG
Assignee(s): ZHENG HUAFENG

Title: Citrus booster picking device and picking method thereof (Machine translation)

Abstract: Source: CN108901350A **Machine translation:** Discloses a citrus picking device and picking method thereof, citrus booster booster includes picking portion (1), collecting portion (2) and booster section (3) open and close to each other, a pair of picking citrus rocker slider mechanism (5) provided in the picking head (4), telescopic rod (16) includes a handle (17), retractable telescopic tube wall (18) and disposed in said cylindrical wall (18) inside the rope for collecting collection unit (19) arranged on the picking citrus removable head (4) below; Connecting retractable cylinder wall (18) of the universal joint (23) comprises, in a first direction of rotation of the first axis of rotation (24) and in a second direction of rotation of the second rotation deputy (25); For adjusting the angle adjusting meter (26) connected to one end of the universal joint (23) and the other end can be adjustably disposed in the I-shaped frame (27); Integral strap (29) foldably connected to the I-shaped frame (27).

Classifications:
International (IPC 8-9): A01D46/20 A01D46/22
A01D46/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN108901350 A	20181130	CN201810727335	20180704

Priority:
CN201810727335 20180704

Probable Assignee: XI AN JIAOTONG UNIV
Assignee(s): (std): XI AN JIAOTONG UNIV