

100 Documents

Publication numbers	Title	Current assignees
CN209178959U U	Waste water use waterway belt pinch fishing boat	SHENGZHOU KAISHENG ENVIRONMENTAL ENGINEERING
EP-390846 A1	Belt conveyor and conveyor belt therefor	TINGSKOG LENNART
FR2854618 A1	Belt conveyor for transferring material e.g. boat base, has upstream and downstream conveyors situated one behind another, where upstream conveyor has more significant length than downstream conveyor	DUBRULLE
CN103803027 A	Tunnel belt type water flow power generating wharf boat	DUAN ZONGFU
CN2039682U U	Telescopic double side-band conveyer	CHANGZHOU SCIENCE RESEARCH CENTRE COAL SCIENCE INSTITUTE MINISTRY OF COAL INDUSTRY
FR2684065 A1	Boat for recovering floating objects	MORILLON CORVOL COURBOT
CN108798696 A	Narrow-support special-shaped-section belt conveyor transporting device	YANGQUAN COAL INDUSTRY HUAYUE MACHINERY
EP-206660 A2	Articulated boom mechanism for unloading bulk solid material from a ship	CSL
GB-326885 A	Improvements in or relating to storage and reclaiming apparatus for bulk material	ROBINS CONVEYING BELT
EP1675992 A1	Device for shuttle exchange	LÄSSER
WO201360446 A1	A through section for scraper chain conveyors with a spill plate attachment and spill plate attachment therefor	CATERPILLAR GLOBAL MINING EUROPE
CN208300318U U	Floater salvage ship with conveyer belt	GUANGDONG LUTONG INVESTMENT MANAGEMENT
FR2486045 A1	DEVICE FOR UNLOADING MATERIALS	BELTLINE
CN204173143U U	Full-automatic floating refuse removing boat for large objects of moso bamboo and trees	ZHANGJIAGANG HAIFENG WATER SURFACE ENVIRONMENTAL PROTECTION MACHINERY
FR2592358 A1	Articulated coupling for boats in a pushed convoy	VERNEAUX JOEL
CN106985978 A	Overwater garbage salvaging boat	SHANGHAI UNIVERSITY OF ELECTRIC POWER
US1705274 A	Storage and reclaiming apparatus	ROBINS CONVEYING BELT
CN104044702 A	Fishing boat unloading device	WU HAIMEI

Publication numbers	Title	Current assignees
FR2961531 A1	Recovering device for use in boat to recover crude oil suspended in e.g. river, has roller producing vertical and horizontal displacements combined under effect of hydrocarbon film to allow roller to remain in contact with belt or film	LONGO EDGARD
US4262478 A	Agricultural machine	C VAN DER LELY
US3477558 A	Air lift and vacuum conveyors and foraminous belt means therefor	FLEISCHAUER FRED J
EP1736035 A2	Roll-to-roll fabricated light sheet and encapsulated semiconductor circuit devices	GROTE INDUSTRIES, ...
CN104291128 A	Function boat integrating loading, unloading and conveying	TIDFORE HEAVY EQUIPMENT
CN207157441U U	Grass cutting boat	QINGZHOU KEDA MINGING MACHINE
FR2678592 A1	INSTALLATION OF CONTINUOUS UNLOADING OF SHIPS.	MAN
US5620292 A	Apparatus for unloading large fish from a boat hold	PWH ANLAGEN & SYSTEME
CN106741675 A	Marine product catching sorting device for fishing boat	ZHEJIANG OCEAN UNIVERSITY
EP-688297 A1	Automatic loading bucket elevator	PWH ANLAGEN & SYSTEME
CN209366394U U	Multi-functional fishing boat cyanobacteria	ZHANGJIAGANG XINLONGTAI ENVIRONMENTAL PROTECTION MACHINERY
CN201952790U U	Follow-up type device for continuously salvaging and separating maritime enteromorpha prolifera	QINGDAO GUOHAI MAISITE MACHINERY
WO201892211 A1	Transfer device and transport system	FUJI
CN209099332U U	Waterway surface floats the cleaning vessel	MA FENG
CN106418296 A	Sleeve-fish steaming device for fishing boat	ZHEJIANG OCEAN UNIVERSITY
CN208248440U U	Sand carrier	LI TAOYING
EP2747969 A1	Melt processing plant and method for treating a melt in such a plant	GALA INDUSTRIES
EP-298147 A1	Loading and unloading device, in particular for ships carrying bulk goods, in particular for loaded pallets	ATEBA AUTOMATISIEREN TECHNIK BAUEN FUER GEWERBE & INDUSTRIE
WO2018234601 A1	Vessel for cleaning waste in shallow waters	VILLALBA HERNANDEZ MANUEL
CN108275245 A	Intelligent remote control refuse collection boat	XINCHANG KAIXIANG

Publication numbers	Title	Current assignees
		ELECTROMECHANICAL
CN105235847 A	Intelligent water surface garbage collection boat based on wave energy and wind energy	HUAZHONG UNIVERSITY OF SCIENCE & TECHNOLOGY
CN208470079U U	Automatic ship of keeping a public place clean	ZHANGJIAGANG KANGYUAN MACHINERY
EP2402210 A2	Self-propelled boat transporter	PILS FRANZ
FR2147571 A5	Chargeur pour four de diffusion.	SIMMONDS PRECISION PRODUCTS
WO9426461 A1	Method and apparatus for automatically placing lids on component packages	CYBEX TECHNOLOGIES
CN104355056 A	Gantry type conveyor	CHANGSHA UNIVERSITY OF SCIENCE & TECHNOLOGY
US4907932 A	Continuous bulk material conveyer	MAN GUTEHOFFNUNGSHUTTE BAHNHOFSTR 66 D 4200 OBERHAUSEN FEDERAL REPUBLIC OF GERMANY
CN206354384U U	Wash cooling conveying peeling apparatus to bean sprouts	LUOYANG NEW VILLAGE VEGETABLE FOOD
CN206354375U U	To bean sprouts secondary peeling apparatus	LUOYANG NEW VILLAGE VEGETABLE FOOD
CN105815031 A	Amphibious aquatic plant harvesting boat	SUZHOU HONG GUAN SHIPBUILDING
EP2003052 A1	Floating reloading device for bulk material	TEREX
EP1043555 A1	Freezing and conveyor apparatus for nutrients	STOEHLER ARVE
US3719291 A	Diffusion furnace loader	SIMMONDS PRECISION PRODUCTS
CN109878645 A	Environmental sanitation ship	CHANGSHU GONGYI INFORMATION TECHNOLOGY
CN106688431 A	Two-head boa type environment-friendly aquatic weed cutting boat and aquatic weed cutting device	YANCHENG INSTITUTE OF TECHNOLOGY
CN104567308 A	Automatic continuous drying system of large ocean fishing boat	ZHOUSHAN LIYUAN MACHINERY
CN208216939U U	Sand ship with gravity frame	LESHAN JIAYANG SHIP TECHNOLOGY SERVICE
EP-321680 A1	Device for removing articles	SALZGITTER MASCHINENBAU
US4550551 A	Sagger loader and conveyor apparatus and method	PTX PENTRONIX

Publication numbers	Title	Current assignees
WO2019101590 A1	Pick-up device and pick-up method comprising conveyor belts for a watercraft	THYSSENKRUPP MARINE SYSTEMS, ...
EP1234632 A1	Kinematic device for programmably supporting and positioning an end element in a machine or an instrument	WILLEMIN MACHINES
CN207151204U U	Weed -cutting launch	QINGZHOU KEDA MINGING MACHINE
CN2308240U Y	Transplanting seedling planter for crops growing in pot body	WEI LIN
CN202958200U U	Full-automatic underwater weeding boat	QINGZHOU JULONG DREDGING & MINING MACHINERY
CN106081951 A	Efficient portal crane with hopper	NANJING GANGJI HEAVY INDUSTRIES MANUFACTURING
CN104986300 A	Cleaning boat for garbage on water surface	DENG SANMIN
CN104563074 A	Enteromorpha salvaging device	SHANDONG UNIVERSITY OF SCIENCE & TECHNOLOGY
FR2953229 A1	COLLECTING DEVICE SUCH AS ALGAE FLOATING MATERIALS, IN SUSPENSION, HAS THE SURFACE OR BETWEEN TWO WATER AND ON THE RANGE	LE DROFF YVES
CN208515794U U	Floating contaminants from the purge vessel to a water surface	ANHUI JIAMING ENVIRONMENTAL PROTECTION TECHNOLOGY
CN107628206 A	Surface garbage salvage vessel	GAO XIAOLING
CN203902797U U	Boat special for harvesting lotus roots	ANHUI UNIVERSITY OF SCIENCE & TECHNOLOGY
CN206984269U U	Rotatory self -discharging formula conveyor and sand discharging ship	YUEYANG ANTAI HOISTING EQUIPMENT
EP2938567 A1	Conveyor system for the transport of passengers/goods	THYSSENKRUPP ELEVATOR INNOVATION CENTER
CN108082403 A	River dredger convenient for clearing weed	NINGBO JIANGBEI YIYING INDUSTRY & TRADE
KR101781893 B1	Wafer loading device	ALP ENGINEERING
EP-875207 A2	Stand alone swage apparatus	ETHICON
CN109898557 A	Underwater gravel base bed laying method	CCCC SECOND HARBOUR ENGINEERING
CN206928273U U	Water surface garbage cleaning boat	YANG ZHENGGUI
EP-639429 A1	Apparatus and method for performing external surface work on ship hulls	METRO MACHINE

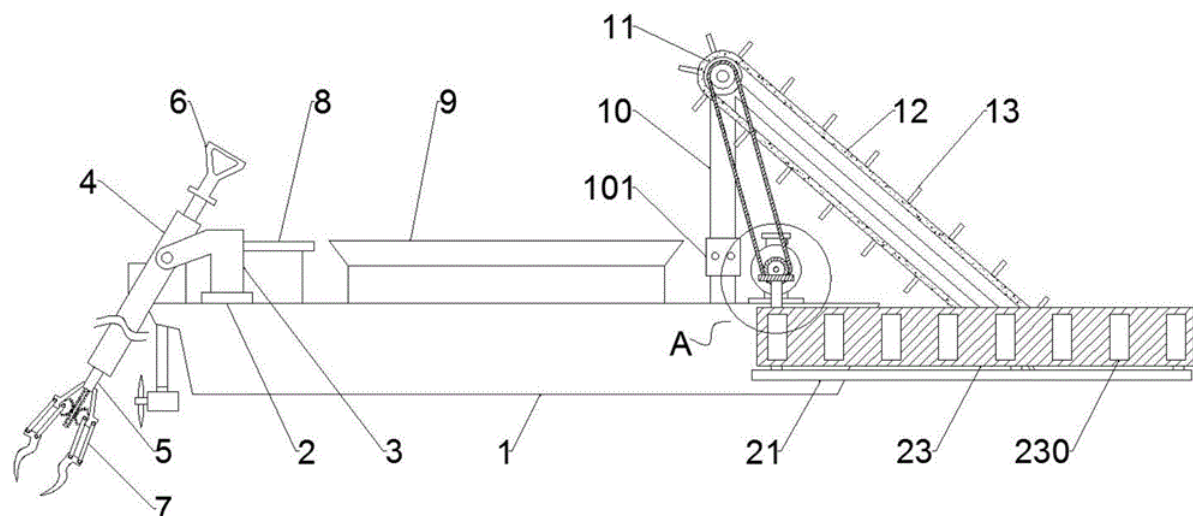
Publication numbers	Title	Current assignees
EP2670691 A2	Unloading and loading crane arrangement and assembly of two unloading and loading crane arrangements	RAADGEVEND INGENIEURSBURO F KOCH
FR2743776 A1	Method of placing document packets in containers	ARMORICAINE DE MANUTENTION AUT
FR3010062 A1	Supply device of a press in fruit	LES PRESOIRES COQUARD
CN108005044 A	Rotary telescopic water hyacinth salvaging machine with crushing function	HUZHOU LUOFU TECHNOLOGY
CN109197800 A	Jellyfish catching vessel and jellyfish rough processing method	SHANDONG QUJI BIOTECHNOLOGY
CN207346632U U	Be applied to rubbish conveyer of pyrolysis oven material loading	GUANGXI XINING ENVIRONMENT TECHNOLOGY DEVELOPMENT
WO9513979 A1	Loading and unloading system for ships and similar large capacity transport vehicles	PWH ANLAGEN & SYSTEME
CN106762351 A	Wharf capable of generating electricity by utilizing ocean current	ZHEJIANG OCEAN UNIVERSITY
CN109050810 A	water surface garbage cleaning garbage boat	GUIPING DAZHONG SHIP REPAIR MANUFACTURE YARD
CN106184635 A	Squid fishing ship	ZHEJIANG OCEAN UNIVERSITY
FR2805241 A1	Specialist vessel designed to pick up floating material at the bow includes high maneuverability steering systems, heated scooping equipment and temporary on-board storage	LELONG FRAISSE BERNARD ALBERT
FR2282231 A1	FULLY AUTOMATIC MACHINE FOR THE PREVIOUSLY COOKED SHRIMP SHELLING	KOCKEN ALWIN
EP1181238 A1	Articulated fluid transmission device and loading crane comprising said device	FMC TECHNOLOGIES
US20190252712 A1	Apparatus for rapidly stacking fuel cell stack using automatic stacking and pressurization of fuel cell components	HYUNDAI MOTOR, ...
EP1805533 A1	Method and apparatus for seismic data acquisition	FAIRFIELD INDUSTRIES
CN110386483 A	Method for dockside cargo-handling device	ZHEJIANG OCEAN UNIVERSITY
CN207446834U U	Belt cleaning device of auto -parts electrophoresis lacquer processing	NINGBO JIEYI VEHICLE PARTS
EP-118531 A1	Apparatus and method for unloading bulk materials	MILLER FORMLESS
CN104229079 A	Dump ship outer frame composite folding belt conveying device and use method thereof	HUNAN BLUESKY ROBOT TECHNOLOGY
CN206679215U U	Floating garbage salvage ship	SHANGHAI UNIVERSITY OF

Publication numbers	Title	Current assignees
		ELECTRIC POWER
CN104340604 A	Turnable conveying device for ships	HUANG FANCHANG
CN205616281U U	Ship unloaders and material recovery unit scatters thereof	MA ANSHAN HUAYU ENVIRONMENTAL PROTECTION EQUIPMENT MANUFACTURING
EP-741092 A2	Unloading device for ships or similar containers for bulk material	PWH ANLAGEN & SYSTEME

Family 1/100 - FAMPAT - ©Questel

Title

(CN209178959U)

Waste water use waterway **belt** pinch fishing **boat****Images****Publication numbers with kind code & date**

CN209178959

U

2019-07-30

CN209178959U

**Abstract**

(CN209178959)

The present utility model relates to the field of hydropower technology, in particular to a **belt** pinch waste water use waterway fishing **boat**, comprising a hull, the hull of the left front side is fixedly attached to bearing cartridge, rotating on the bearing seat is connected to the gripper bracket, clip wall is hinged at the front end gripper, gripper arms in sliding connection with the plunger, the plunger tip is fixedly attached to the push handle, a push rod bottom end fixedly attached to the clamping mechanism, the present utility model provides a **belt** pinch waste water use waterway fishing **boat**, equipped with a double-ended motor through, which cooperate with each other gear and the transmission **belt** structure, with an electric motor through the linkage structure, to drive the gathering mechanism and the waste transport mechanisms are simultaneously operated, an electric drive structure simplifies the fishing **boat**, and at the stern is provided with a gripper architecture, when the front end of the waste transport **belt** is unable to ship large volumes of waste during cleaning, the rear end of the set mechanism manually operable manual over a large volume dust to be salvaged.

Inventors

CHEN CHANGCHENG

Latest standardized assignees - inventors removed

SHENGZHOU KAISHENG ENVIRONMENTAL ENGINEERING

Family 2/100 - FAMPAT - ©Questel

Title

(EP-390846)

Belt conveyor and **conveyor belt** therefor**Images**



(EP0390846)

A conveyor belt of elastic material comprises a planar central part (2), two planar edge parts (3, 4) and two hinge parts (5, 6). The central part is flexurally rigid about the longitudinal axis of the belt (1) by means of a transverse reinforcement (8, 9b) and has a low extensibility in the longitudinal direction by means of a longitudinal reinforcement (10). The two planar edge parts (3, 4) are each hingedly connected with a side edge of the central part and flexurally rigid about the longitudinal axis of the belt by means of a transverse reinforcement (8, 9a, 9c). The edge parts are further extensible in the longitudinal direction of the belt and have a total width which is at least equal to the width of the central part. The two hinge parts (5, 6) connect each edge part with the central part and are flexible about the longitudinal axis of the belt and extensible in the longitudinal direction of the belt. The hinge parts are further resilient for pivoting the edge parts out from a position folded towards the central part, and have a substantially smaller width than the central part. The belt conveyor in which the conveyor belt (1) is included, further comprises support rollers for supporting the belt, and guide means for maintaining the desired shape of the belt. The guide means comprise pressing means which, against the spring action of the hinge parts, hold the edge parts in the desired position relative to the central part.

Inventors

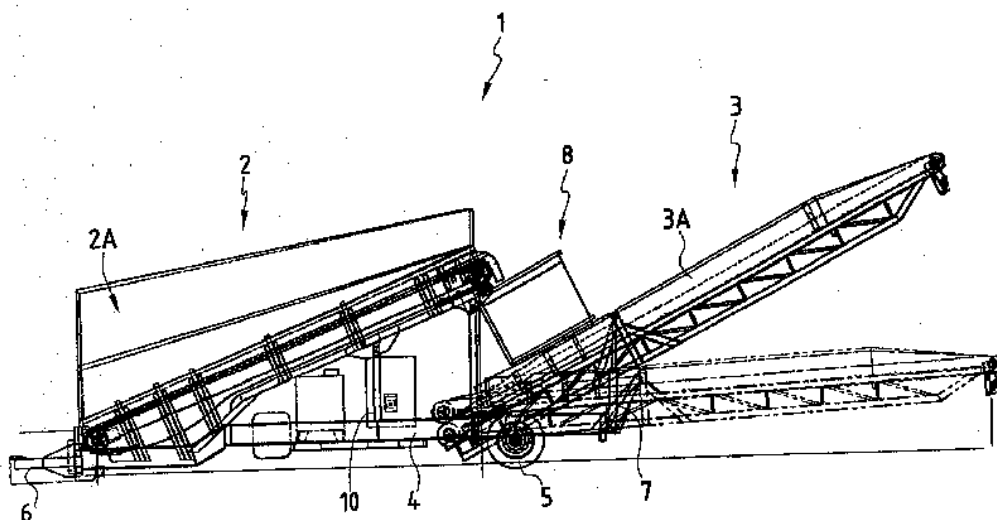
TINGSKOG, KARL AUGUST LENNART

Family 3/100 - FAMPAT - ©Questel

Title

(FR2854618)

Belt conveyor for transferring material e.g. **boat** base, has upstream and downstream conveyors situated one behind another, where upstream **conveyor** has more significant length than downstream **conveyor**

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

FR2854618	B1	2006-05-26	FR2854618
FR2854618	A1	2004-11-12	FR2854618

**Abstract**

(FR2854618)

The **belt conveyor** has an upstream (2) and a downstream (3) **conveyor** with bands or chains, where the conveyors are situated one behind another. The upstream **conveyor** has more significant length than the **conveyor** (3) to provide sufficient mass to permit the downstream **conveyor** to be off-centered with respect to a support at bottom of the **belt conveyor**. The speed of the **conveyor** (2) is lower than the **conveyor** (3). A hopper for guiding material is provided between the conveyors. (From FR2854618 A1)

Inventors

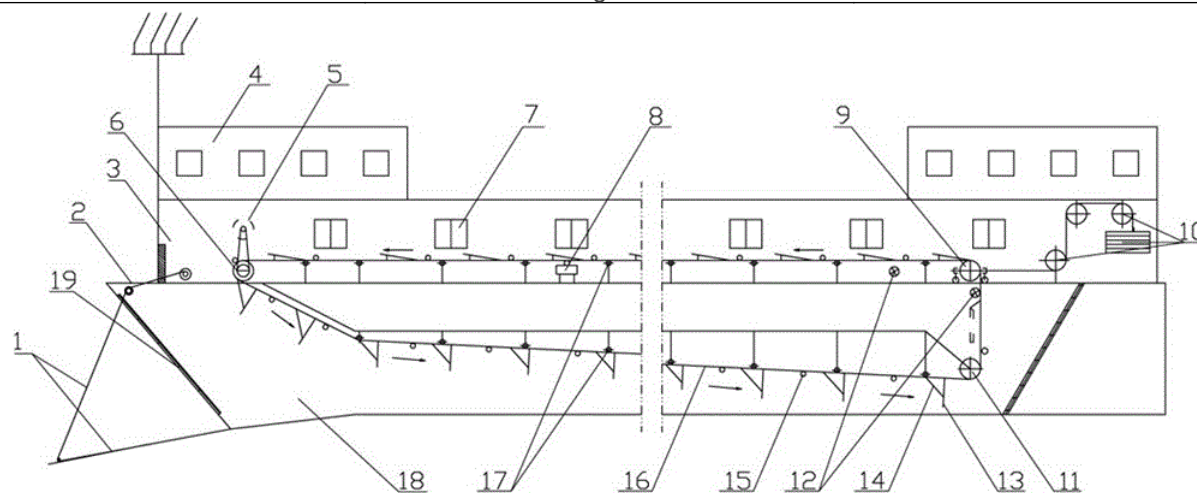
DUBRULLE DAMIEN

Family 4/100 - FAMPAT - ©Questel

Title

(CN103803027)

Tunnel **belt** type water flow power generating wharf **boat****Images**



Publication numbers with kind code & date

CN103803027	B	2017-01-11	CN103803027B
CN103803027	A	2014-05-21	CN103803027



Abstract

(CN103803027)

The invention discloses a tunnel **belt** type water flow power generating wharf **boat** which comprises a wharf **boat** body, wherein a plurality of water flow tunnels penetrating from the front to the back are arranged at the lower part of the wharf **boat** body, a gate mechanism is arranged at the front end of the wharf **boat** body, front and back pulleys are arranged above the water level line of the wharf **boat** and correspond to each water flow tunnel, one pulley is connected with a power generator, ring-shaped roller sets are distributed in correspondence to the water flow tunnels, the upper sections of the ring-shaped roller sets are positioned between the two pulleys, and the lower sections are positioned below the water level lines of the water flow tunnels; a transmission **belt** surrounds the two pulleys and the ring-shaped roller sets, a plurality of water stopping sails are mounted on the transmission **belt** at intervals, and a floating force device is arranged on the outer side of the transmission **belt**. The tunnel **belt** type water flow power generating wharf **boat** provided by the invention is applicable to power generation of low speed river natural water flow, water source height difference is not required, dam construction is not required, the investment is less, pollution is avoided, and the tunnel **belt** type water flow power generating wharf **boat** is extensively applied to water flow power generation in Changjiang river, and other rivers.

Inventors

DUAN ZONGFU

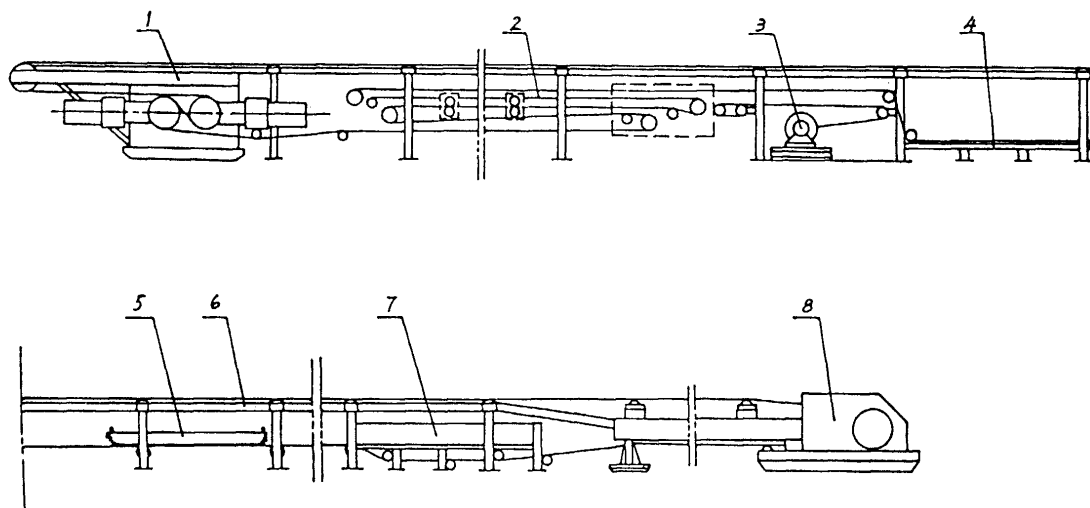
Family 5/100 - FAMPAT - ©Questel

Title

(CN2039682U)

Telescopic double side-band conveyer

Images

**Publication numbers with kind code & date**

CN87208114	Y	1991-02-13	CN87208114U
CN2039682	U	1989-06-21	CN2039682U

**Abstract**

(CN2039682)

The utility model discloses a telescopic double side-band conveyor, which is characterized in that the utility model is provided with a length telescopic device and a double-side material **conveyor**, the lower band conveyance is provided with a material **boat**, a feeding frame and a discharge frame. The utility model is used for the sublevel transportation of the mine, the upper band is used for transporting coals to the external, the lower band is used for transporting materials to the interior, the transportation length is retractable, which accelerates the production schedule, lightens the labor intensity and saves investment cost, and therefore, the utility model is an ideal band conveyor.

Inventors

QIAO SHANGMING

PAN NAIXIANG

Latest standardized assignees - inventors removed

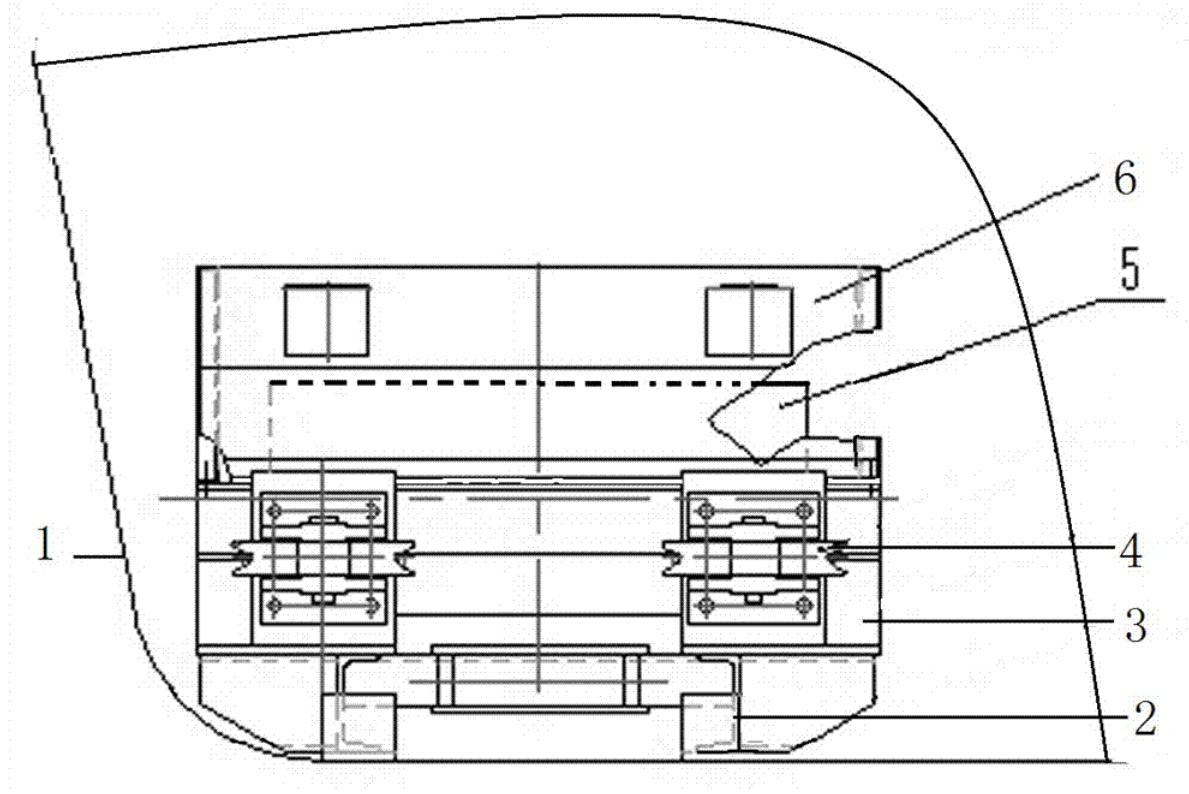
CHANGZHOU SCIENCE RESEARCH CENTRE COAL SCIENCE INSTITUTE MINISTRY OF COAL INDUSTRY

Family 6/100 - FAMPAT - ©Questel

Title

(FR2684065)

Boat for recovering floating objects**Images**



Publication numbers with kind code & date

[CN108798696](#)

A 2018-11-13 CN108798696



Abstract

(CN108798696)

The invention relates to a narrow-support special-shaped-section **belt conveyor** transporting device. According to the narrow-support special-shaped-section **belt conveyor** transporting device, the structure is simple, and the device tail can move forwards in the mode of trailing a shield tunneling machine. The narrow-support special-shaped-section **belt conveyor** transporting device comprises sliding shoes, a traction base, traction pulley sets, a device tail roller, a protecting cover, an asymmetric special-shaped-section supporting leg device and rubber belts. The sliding shoes are symmetrically welded to the lower portion of the traction base, the bottom faces of the sliding shoes are each of a ship-shaped flat **plate** structure with a certain width, the middle sections of the bottom faces of the sliding shoes are each of a flat **plate** structure facilitating sliding, and the front and rear ends of the sliding shoes are upwards bent by a certain angle to be in a ship shape. The device tail roller and the protecting cover are mounted on the upper portion of the traction base. The traction pulley sets comprise pulley supports, shafts, shaft sleeves, rotary cover oil cups and pulleys; the rotary cover oil cups are mounted on one sides of the shafts; and the pulley supports are fixed to the tail of the traction base. The asymmetric special-shaped-section supporting leg device comprises a longitudinal beam, upper hinging carrying rolls, lower hinging carrying rolls, supporting pipes, supporting legs, special-shaped supporting legs, a fixing bottom **plate** and a cross beam; the longitudinal beam is welded to the upper ends of the supporting legs or the special-shaped supporting legs; the upper-layer rubber **belt** is mounted on the upper hinging carrying rolls; and the lower-layer rubber **belt** is mounted on the lower hinging carrying rolls.

Inventors

HUANG JUNJIE

ZHANG DONGJUN

YANG GUICONG

LI DONGXIA

FENG JIANJUN

LI RUIGEN

Latest standardized assignees - inventors removed

YANGQUAN COAL INDUSTRY HUAYUE MACHINERY

[AU5849186](#)

A 1986-12-18 AU8658491

[FI862522](#)

A 1986-12-15 FI8602522

[FI862522](#)

A0 1986-06-12 FI8602522

**Abstract**

(EP0206660)

An **articulated** boom mechanism is mounted on a ship for unloading bulk solid material from the ship. The boom mechanism is comprised of two boom members (30, 60). One boom member (30) has its one end mounted by a universal-type connection to the ship and its other end connected to an articulation device (40). The other boom member (60) has its one end connected to the articulation device (40). Bulk solid material entering the one end of the one boom member (30) is transported on a **conveyor belt** (67) through the one boom member (30) and then on a second **conveyor belt** (68) through the other boom member (60), and then empties from the other end of the other boom member. The position of the other end of the other boom member (60) is a function of the selective positioning of the one boom member (30) relative to the deck, and also of the other boom member (60) relative to the one boom member (30).

Inventors

JOHNSTON, WILLIAM HERVE

Latest standardized assignees - inventors removed

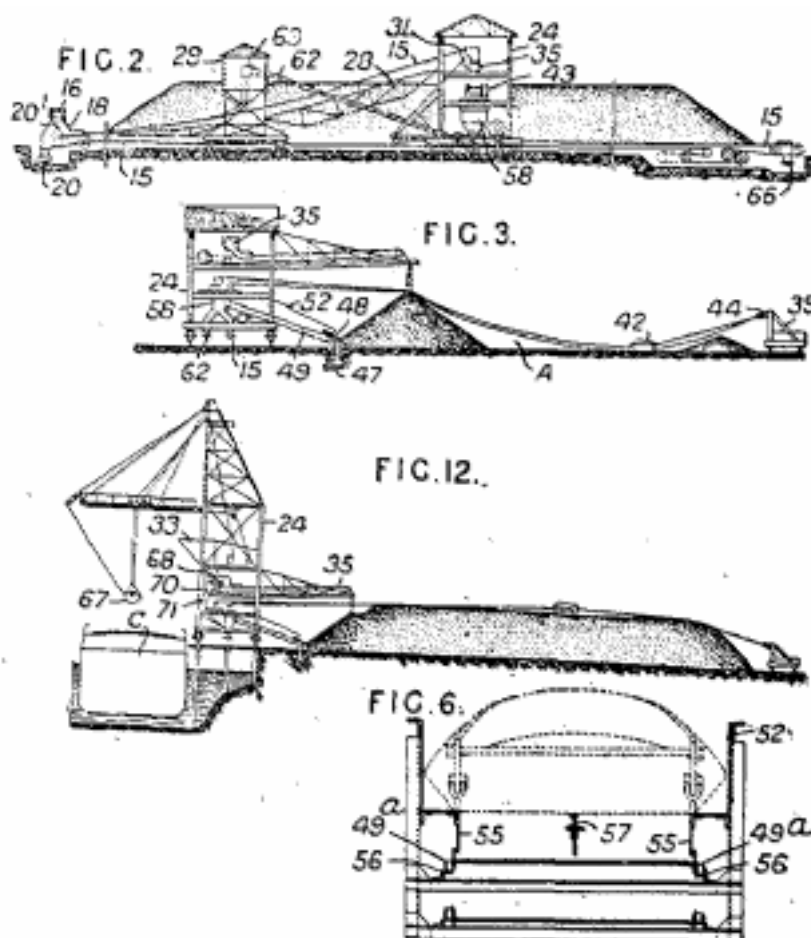
CSL

Family 9/100 - FAMPAT - ©Questel

Title

(GB-326885)

Improvements in or relating to storage and reclaiming apparatus for bulk material

Images**Publication numbers with kind code & date**[GB326885](#)

A 1930-03-24 GB-326885

**Abstract**

(GB326885)

326,885. White, A. E., (Robins Conveying Belt Co.). Dec. 24, 1928. Discharging and feeding devices for endless-belt conveyers; troughs; guiding endless chains; guards to prevent falling-off and spilling.-Apparatus for storing and reclaiming coal, sand, gravel, &c., comprises two travelling structures 24, 39, Fig. 3, moving simultaneously along opposite sides of the storage area A (which is not necessarily rectangular), means such as a conveyer 35 on the tower 24 over-hanging the storage area so as to form a pile along one side, and a drag-line scraper 42 movable between the structures 24, 39 for distributing and reclaiming the material. The material is brought to the storage site by a conveyer 16, Fig. 2, delivering through a hopper 18 provided with a hinged flap 20<1> either to an off-take conveyer 20 or to a main conveyer 15 extending along one side of the area. The upper run of the conveyer 15 is led around a throw-off pulley 31 in the tower 24, the looped part of the belt being guided by a trailer tower 29 and connecting truss 28. The material is delivered through a hopper on to a transverse conveyer 35 which forms a pile along the front of the storage area as the tower 24 is moved along. For reclaiming the material from the pile, the scraper 42 is hauled to the front of the storage area A and. up an inclined plate 48 into the lower end of a trough 52 forming the casing of a transverse conveyer 49, Figs. 3 and 6, carried by the tower 24 and delivering to a hopper 58. This hopper is provided with a hinged flap to direct the material either to the main conveyer 15 for delivery to the off-take conveyer 66, or to a transfer conveyer 62 leading to a hopper 63 in the trailer tower delivering to the looped portion of the main conveyer 15, which in this case runs in the reverse direction and delivers to the off-take conveyer 20. The inclined plate 48 may be mounted all along a low wall 47 or it may be an extension of the trough 52 overhanging the wall. The transfer conveyer 49 comprises endless chains 49<a>, running on guides 56 beneath overhanging parts 55 of the trough casing 52. A central rail 57 supports the scraper when it enters the lower end of the trough. In a modification, Figs. 9 and 10 (not shown), a storage pile is formed at either side of the main conveyer 15, the conveyers 35, 50 and the tower 39 being duplicated. In another modification, Fig. 12, the tower 24 forms a staith provided with a grab apparatus 67 for unloading coal from a vessel C. The grab delivers to a hopper 33, and'a reversible delivery conveyer 68 beneath the hopper outlet feeds the material continuously either to the transverse conveyer 35 for forming a pile or to shoots 70, 71 leading to the main conveyer 15 for deliver direct to the plant bins.

Latest standardized assignees - inventors removed

ROBINS CONVEYING BELT

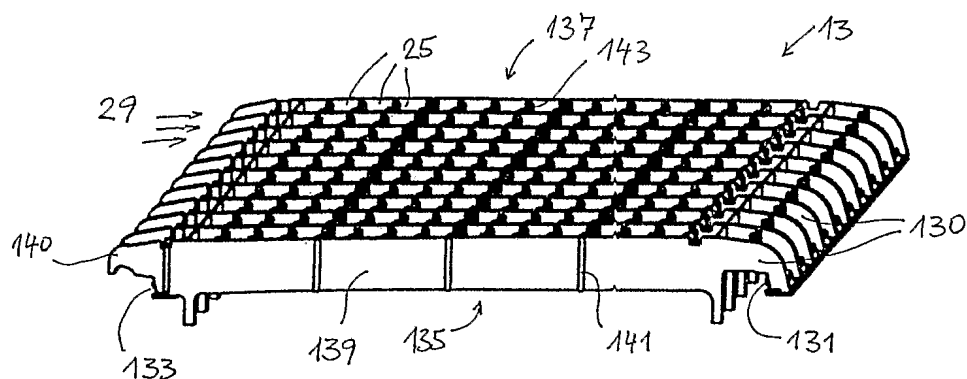
Family 10/100 - FAMPAT - ©Questel

Title

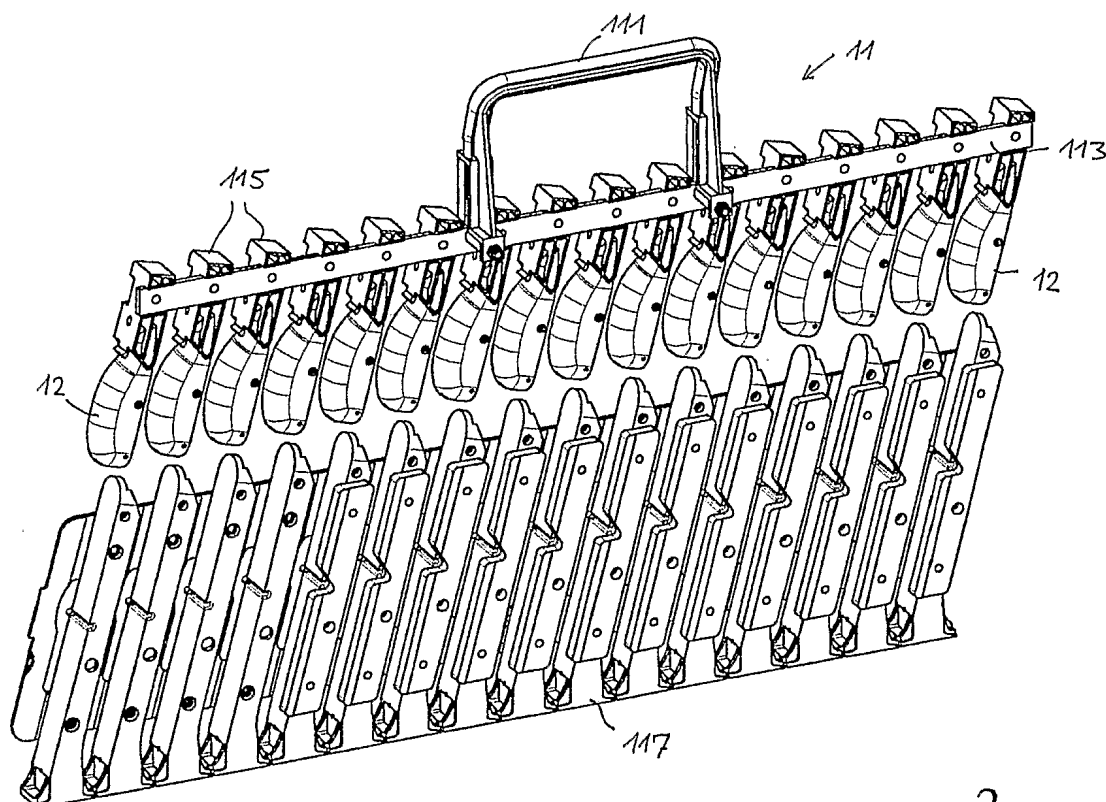
(EP1675992)

Device for shuttle exchange

Images



3



2

Publication numbers with kind code & date

CN1871394	A	2006-11-29	CN1871394
CN1871395	A	2006-11-29	CN1871395
KR20060112646	A	2006-11-01	KR20060112646
KR20060095766	A	2006-09-01	KR20060095766
EP1675992	A1	2006-07-05	EP1675992
EP1675993	A1	2006-07-05	EP1675993
WO2005/040480	A1	2005-05-06	WO200540480
WO2005/040481	A1	2005-05-06	WO200540481



Abstract

(EP1675992)

The invention relates to a system for shuttle exchange on a shuttle machine, comprising a shuttle grabber (11), with a number of magnetic grabbers (115), a magazine (13), with the same number of magazine positions (25), arranged in a row for housing the shuttles (12), several rows (29) of magazine positions (25) and an automatic filler (15), for automatically filling the shuttles (12), whereby the grid separations between the magnetic grabbers (115) and between the magazine positions (25) correspond to the grid separations of the shuttles (12) in the shuttle guide (117). The automatic filler comprises a **conveyor belt** (17), along which the shuttles run (12), a number of stations along **conveyor belt** (17) and at

least one device (for example, 47,49,63,67) at at least one station for carrying out a pre-determined working step on a shuttle (12) in the station. In a horizontally-arranged position for the device, the conveyor belt (17) is tilted to the horizontal along the supply direction, between the supply point and an outlet point.

Inventors

LAESSER FRANZ

NUSSBAUMER HANNO

THISSEN HERMANN

Latest standardized assignees - inventors removed

LÄSSER

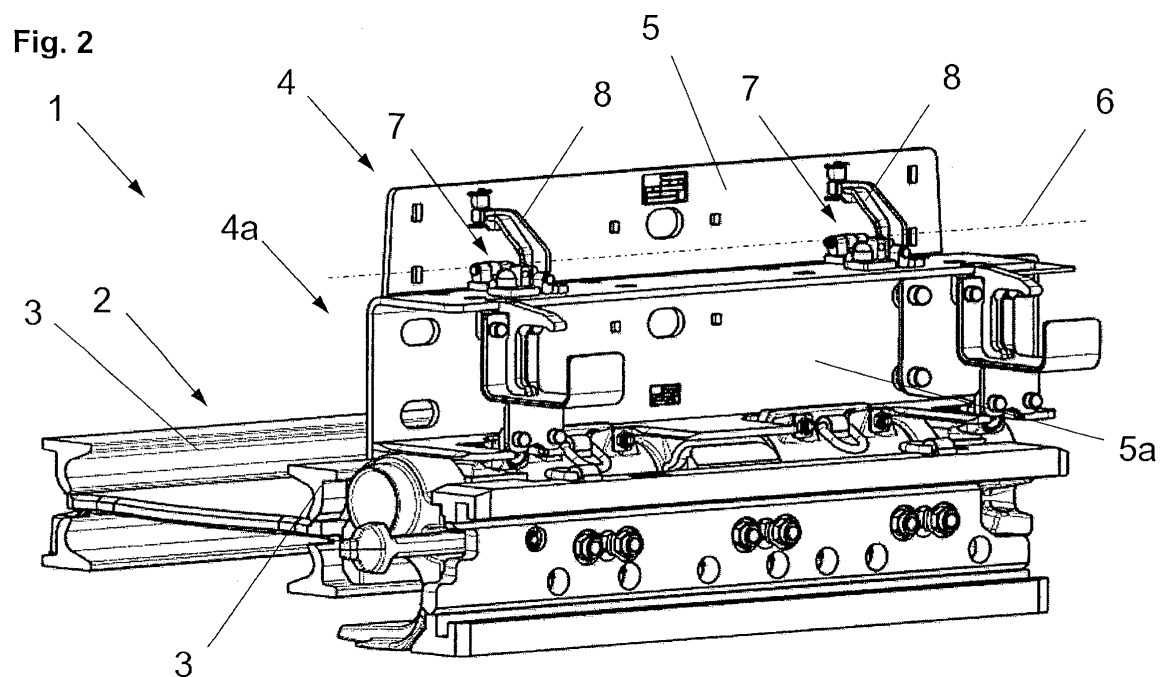
Family 11/100 - FAMPAT - ©Questel

Title

(WO201360446)

A through section for scraper chain conveyors with a spill plate attachment and spill plate attachment therefor

Images



Publication numbers with kind code & date

RU150980	U1	2015-03-10	RU-150980
CZ27535	U1	2014-12-10	CZ--27535U
CN203938105	U	2014-11-12	CN203938105U
WO2013/060446	A1	2013-05-02	WO201360446
DE202011051741	U1	2013-03-21	DE202011051741



Abstract

(WO2013/060446)

The present disclosure relates to a trough section for a scraper chain **conveyor**, comprising a conveying trough (2) having on at least one side a lateral boundary (3) to which a spill **plate** attachment (4) with a spill **plate** (5) is fastened. In order to provide a trough section and a spill **plate** attachment for a trough section, which may make it possible with low outlay in mounting terms to raise or lower the lateral boundary of the conveying trough quickly and reliably, the spill **plate** (5) may be fastened on the spill **plate** attachment (4) pivotably about a first pivot axis (6) and may be pivotable between a storage position and an operating position, in which position the spill **plate** (5) may be raising the lateral boundary (3).

Inventors

HESSE NORBERT

SIEPENKORT GERHARD

DUHNKE KLAUS

KLABISCH ADAM

PADBERG HENDRIK

Latest standardized assignees - inventors removed

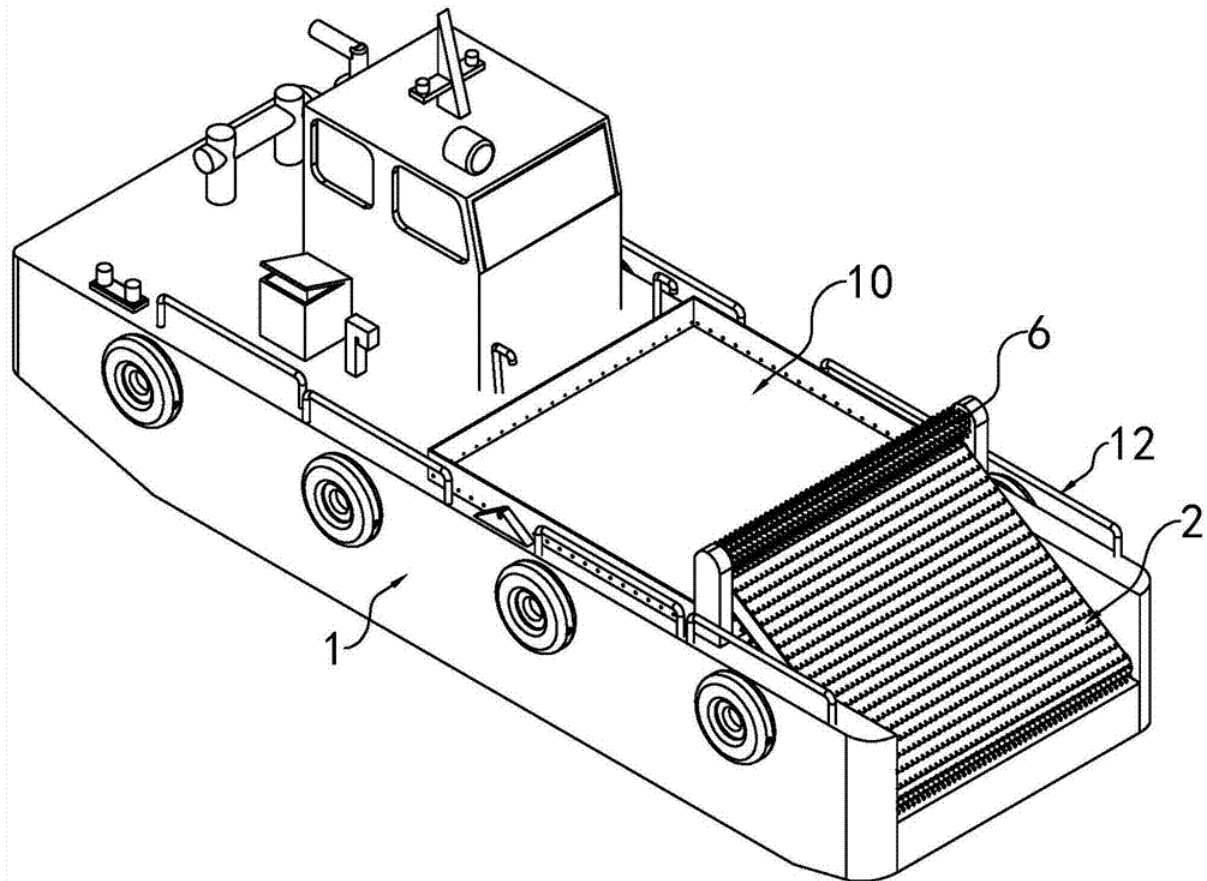
CATERPILLAR GLOBAL MINING EUROPE

Family 12/100 - FAMPAT - ©Questel

Title

(CN208300318U)

Floater salvage ship with conveyer belt

Images**Publication numbers with kind code & date**[CN208300318](#) U 2019-01-01 CN208300318U**Abstract**

(CN208300318)

The utility model discloses a floater salvage ship with conveyer belt, including hull and the conveyor that establishes in hull one side, conveyor include the first cylinder of conveyer belt, drive conveyer belt and make the conveyer belt change to the second drum, the working face of conveyer belt is gone into battle and is shown a plurality of first blades, first cylinder with or one side of thesecond drum be equipped with the third cylinder, be equipped with a plurality of second blades on the third cylinder, second blade and the crisscross grinding mechanism that forms of first blade. Beneficial effect: grinding mechanism can rub pasture and water when collecting pasture and water, can make the pasture and water structure of being collected more in small, broken bits and even, is favorable to improving bulk density, improves the single carrying capacity of pasture and water on the hull with same volume. Its subsequent processing procedure can be simplified through rubbing pastureand water, holistic operating efficiency is favorable to improving. The utility model relates to an engineering boat of clearance pasture and water.

Inventors

YU YAOHUA

Latest standardized assignees - inventors removed

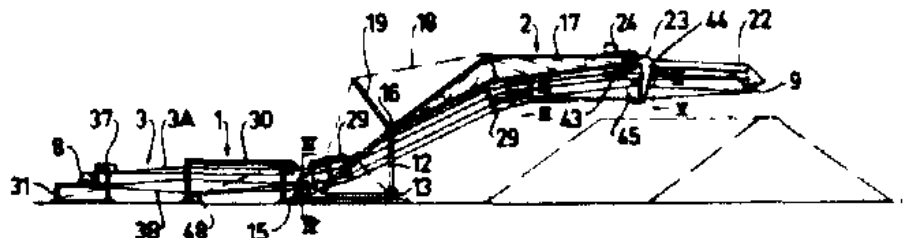
GUANGDONG LUTONG INVESTMENT MANAGEMENT

Family 13/100 - FAMPAT - ©Questel

Title

(FR2486045)

DEVICE FOR UNLOADING MATERIALS

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

GB2079234	B	1984-06-27	GB2079234
SE426473	B	1983-01-24	SE-426473
DE3124852	A1	1982-04-01	DE3124852
JPS5748509	A	1982-03-19	JP57048509
SE8004857	L	1982-01-21	SE8004857
GB2079234	A	1982-01-20	GB2079234
FR2486045	A1	1982-01-08	FR2486045
AU7239881	A	1982-01-07	AU8172398

**Abstract**

(FR2486045)

A **conveyor** comprising a **conveyor belt** for piling or loading material, e.g. for loading ships comprising a feeding **conveyor** section and a discharging **conveyor** section pivotable relative to said feeding section at least in a horizontal plane utilizes a single **conveyor belt** (3) consisting of spaced tensile force absorbing elements (4) and a flexible intermediate portion (5) between these elements (4) the **belt** extending from the feeding section to the discharging section (2) around guide wheels (39, 40) cooperating with the tensile force absorbing elements (4) of the **conveyor belt** and arranged adjacent the joint between the feeding section (1) and the discharging section (2), such guide wheels being provided for the load supporting run (3A) of the **conveyor belt** as well as its return run (3B). <IMAGE>

(From GB2079234 A)

Inventors

DEGERMAN ROLF

BACKMAN BO

Latest standardized assignees - inventors removed

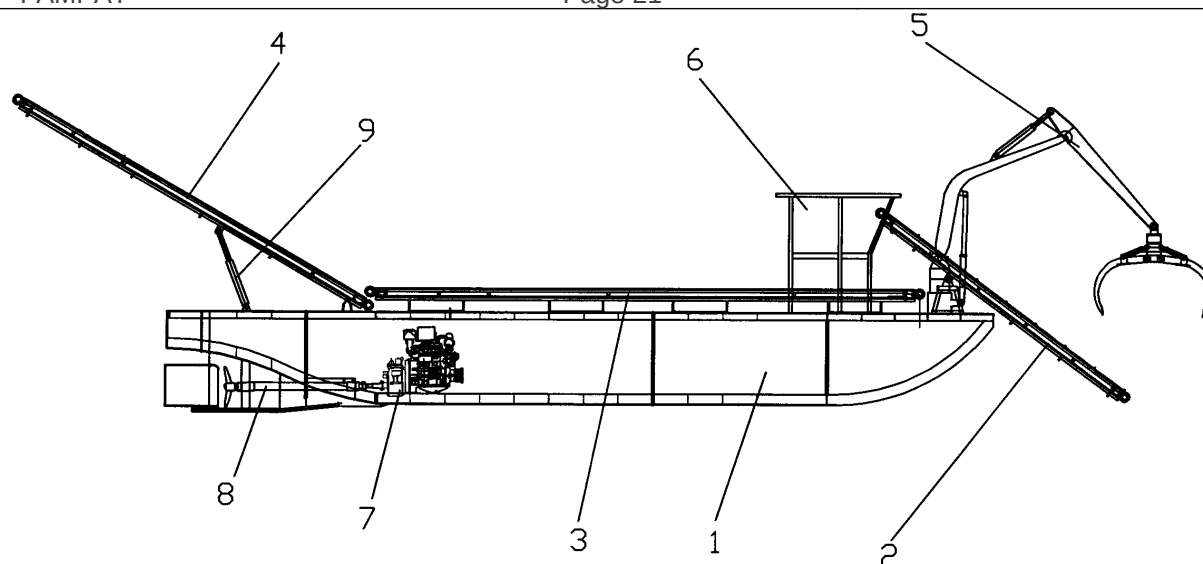
BELTLINE

Family 14/100 - FAMPAT - ©Questel

Title

(CN204173143U)

Full-automatic floating refuse removing **boat** for large objects of moso bamboo and trees**Images**



Publication numbers with kind code & date

CN204173143

U

2015-02-25

CN204173143U



Abstract

(CN204173143)

The utility model discloses a full-automatic floating refuse removing **boat** for large objects of moso bamboo and trees. The full-automatic floating refuse removing **boat** comprises a hull, a control room, a collection device, a storage cabin, a rear storage unloading cabin, a hydraulic large object grabbing machine, an engine and a tail shaft propeller, wherein the control room, the collection device, the storage cabin, the rear storage unloading cabin, the hydraulic large object grabbing machine, the engine and the tail shaft propeller are installed on the hull. The collection device, the storage cabin and the rear storage unloading cabin are sequentially installed on the hull from a bow to a tail. The collection device, the storage cabin and the rear storage unloading cabin are identical in structure and each comprise a **plate**-shaped main frame, driving wheels and a stainless steel band hook **plate** chain **conveyor belt**. The driving wheels are installed at the two ends of the corresponding **plate**-shaped main frame, each stainless steel band hook **plate** chain **conveyor belt** is installed on the corresponding driving wheels and located on the corresponding **plate**-shaped main frame, and multiple rows of water filter holes are punched in each stainless steel band hook **plate** chain **conveyor belt**. The hydraulic large object grabbing machine is installed on the bow of the hull. The control room is located on a starboard of the bow of the hull. The full-automatic floating refuse removing **boat** is reasonable in structure, large in work width, capable of loading and unloading refuse conveniently, strong in floating refuse removing capacity and capable of conducting removal operation on the floating refuse with the large thickness and the large size.

Inventors

HUANG JIANBO

YAO ZHENYU

LU JIANGYAO

YUAN YICHUAN

HUANG ZHIFANG

ZHOU YUFENG

MU JINCAI

Latest standardized assignees - inventors removed

ZHANGJIAGANG HAIFENG WATER SURFACE ENVIRONMENTAL PROTECTION MACHINERY

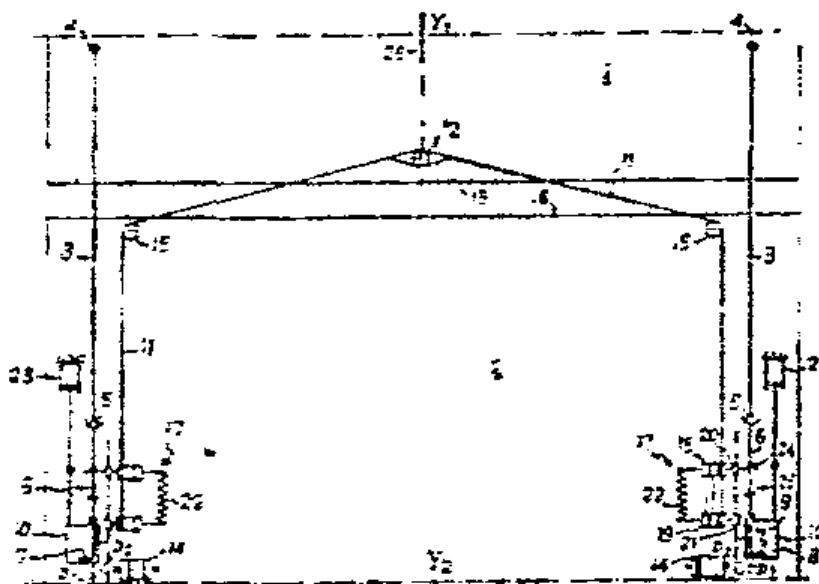
Family 15/100 - FAMPAT - ©Questel

Title

(FR2592358)

Articulated coupling for boats in a pushed convoy

Images



Publication numbers with kind code & date

IN167488	B	1990-11-10	IN-167488
CN1007229	B	1990-03-21	CN1007229B
FR2592358	B1	1988-04-01	FR2592358
BR8606365	A	1987-10-13	BR8606365
CN86108170	A	1987-07-22	CN86108170
JPS62157885	A	1987-07-13	JP62157885
FR2592358	A1	1987-07-03	FR2592358



Abstract

(FR2592358)

The invention relates to an **articulated** coupling intended to join two boats 1, 2 of a pushed convoy. The coupling comprises, arranged symmetrically with respect to the axis Y1 Y2, a pair of coupling bars 3 **articulated** to the **boat** 1 and to supports 6 which may slide on the **boat** 2 over a range limited by two stop-pieces 8, 9, and a pair of cables 11 fixed at an axial point 12 to the **boat** 1 and by winches 14 to the **boat** 2, and passing over a pair of guiding returns 15 and over a pair of tensioning tackles 17. The coupling enables the **boat** 1 to move laterally and angularly with respect to the **boat** 2. It allows two successive movements in opposite directions. The second movement is due to the change in orientation of the pushed **boat** 1 with respect to the pushing **boat** 2, this change being a result of the action of the bow rudder 26. <IMAGE>

Inventors

JIIYURU BERUNOO

Latest standardized assignees - inventors removed

VERNEAUX JOEL

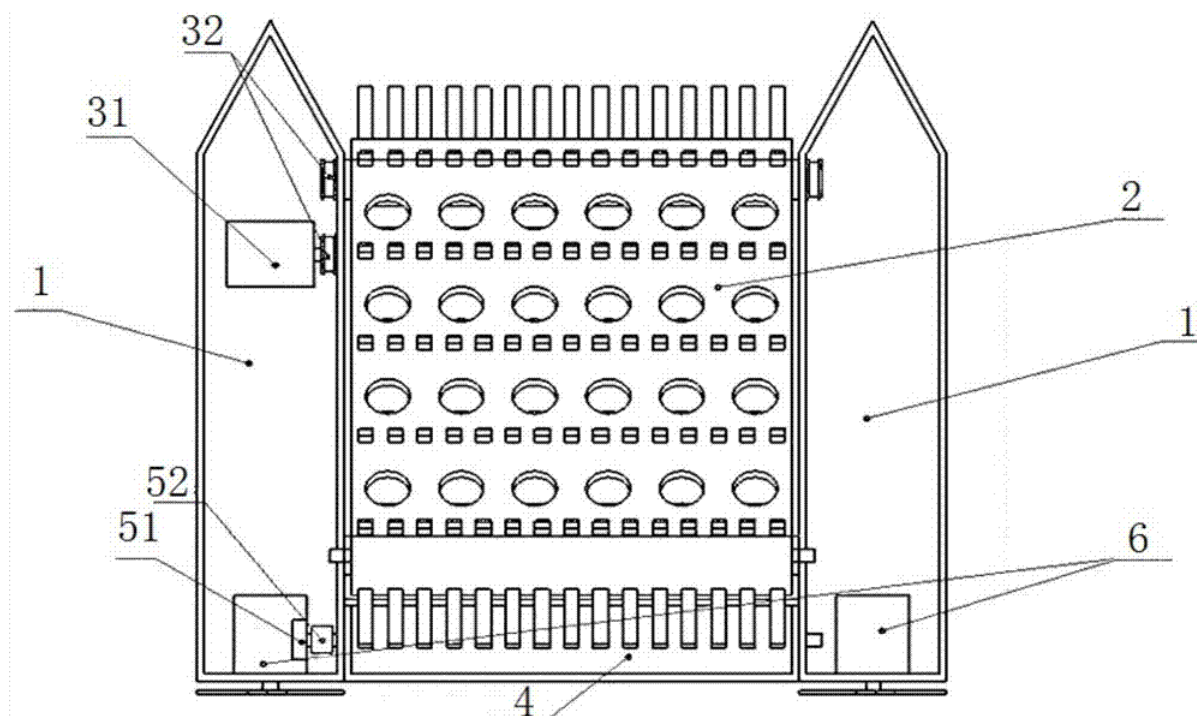
Family 16/100 - FAMPAT - ©Questel

Title

(CN106985978)

Overwater garbage salvaging **boat**

Images



Publication numbers with kind code & date

CN106985978

A 2017-07-28 CN106985978



Abstract

(CN106985978)

The invention relates to an overwater garbage salvaging **boat** comprising a **boat** body and a garbage salvaging assembly arranged on the **boat** body. The garbage salvaging assembly comprises a conveying **belt** type salvaging mechanism and a garbage collecting case which are arranged sequentially from the front end of the **boat** body to the tail end of the **boat** body. The conveying **belt** type salvaging mechanism comprises a conveying **belt**, a conveying **belt** driver used for driving the conveying **belt** to move and multiple rows of salvaging claws arranged on the upper surface of the conveying **belt** in the length direction of the conveying **belt**. Each row of salvaging claws comprises a plurality of salvaging fingers arranged parallelly. The top of the garbage collecting case is open. A front side **plate** extends upward to form a garbage scraping claw. The garbage scraping claw comprises a plurality of garbage scraping fingers arranged parallelly. The top end of the garbage scraping claw is located below the tail end of the conveying **belt**. The garbage scraping fingers and the salvaging fingers are arranged in inserting-type and staggered modes to scrape garbage on the conveying **belt** type salvaging mechanism into the garbage collecting case. Compared with the prior art, the overwater garbage salvaging **boat** has the advantages that garbage salvaging efficiency is high, the structure is simple and reliable, energy sources are saved, and the benefit is good.

Inventors

WANG DAOLEI
 LIANG ZHICHAO
 YANG XU
 CHEN QIHUANG
 GUAN HANBING
 WEI HENG

Latest standardized assignees - inventors removed

SHANGHAI UNIVERSITY OF ELECTRIC POWER

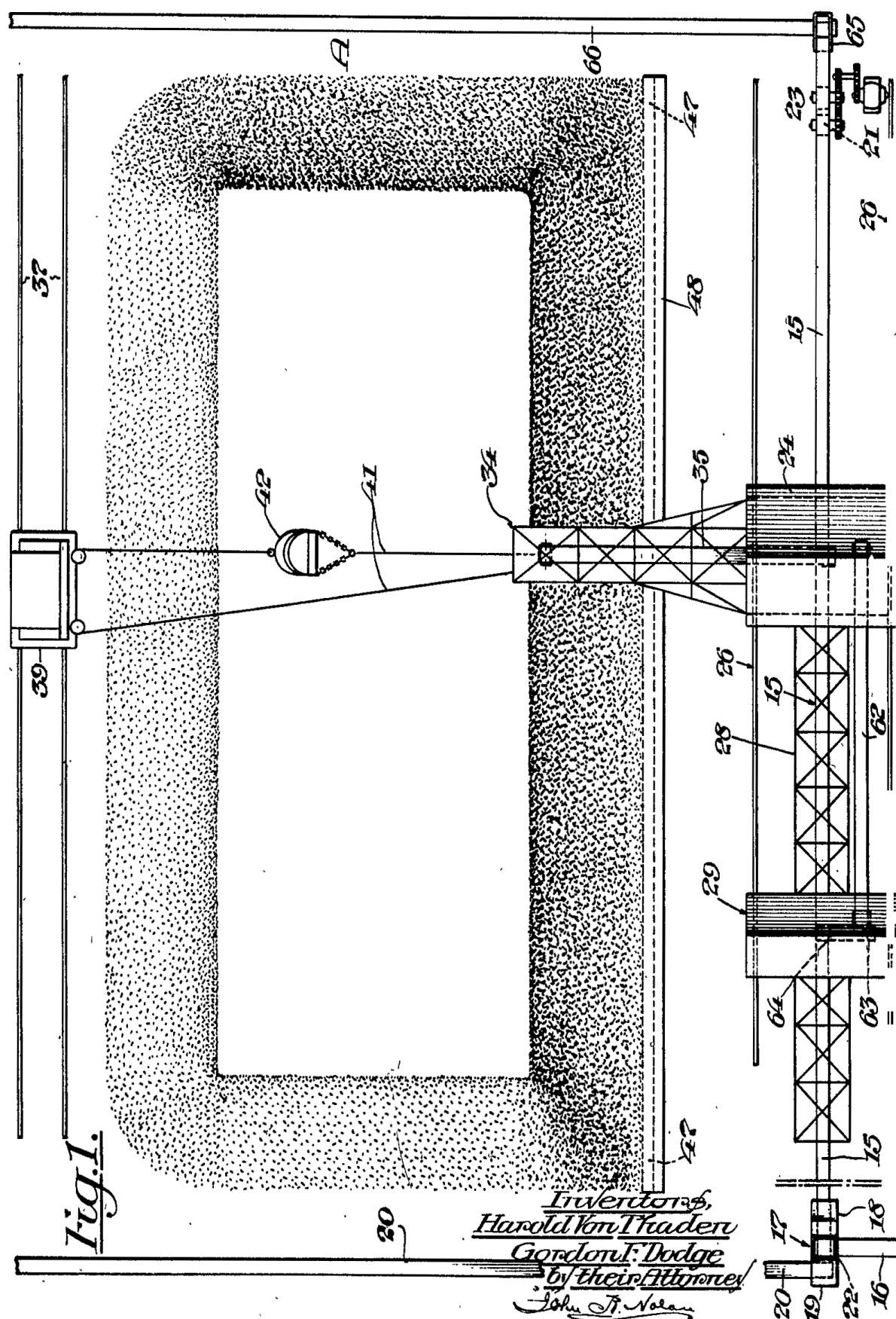
Family 17/100 - FAMPAT - ©Questel

Title

(US1705274)

Storage and reclaiming apparatus

Images



Publication numbers with kind code & date

US1705274

A 1929-03-12 US1705274



Inventors

VON THADEN HAROLD

DODGE GORDON F

Latest standardized assignees - inventors removed

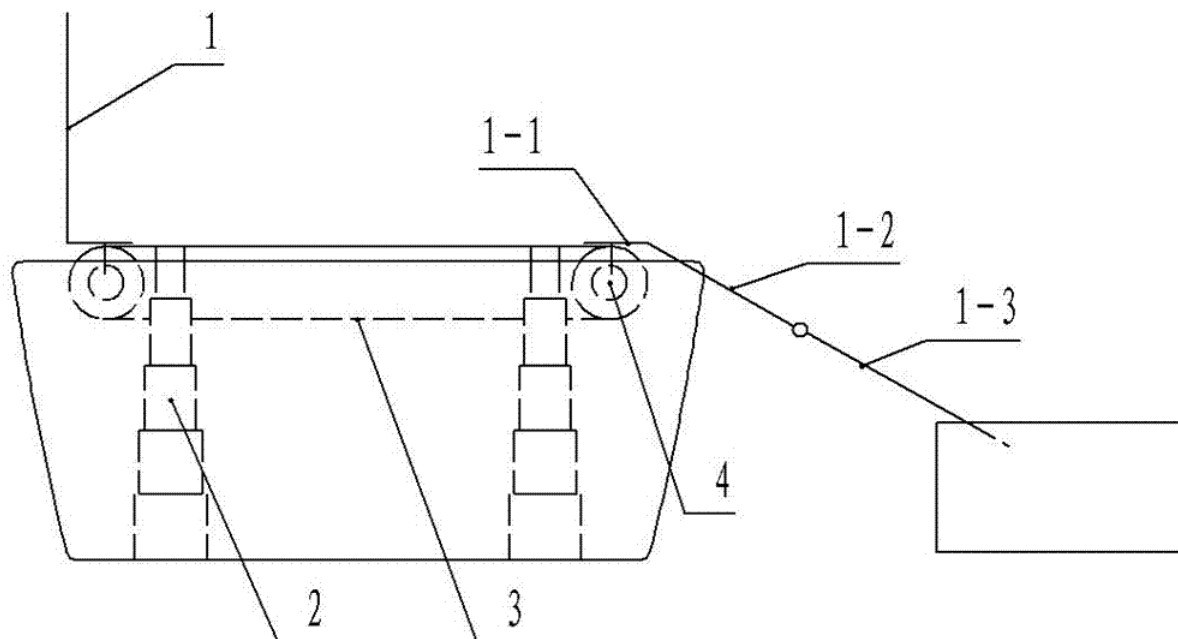
ROBINS CONVEYING BELT

Family 18/100 - FAMPAT - ©Questel

Title

(CN104044702)

Fishing boat unloading device

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

CN104044702	B	2017-08-15	CN104044702B
CN104044702	A	2014-09-17	CN104044702

**Abstract**

(CN104044702)

The invention discloses a fishing boat unloading device, and belongs to the technical field of ship manufacturing. The device comprises a cargo bucket used for loading fish and arranged in a fishing ship cabin. Bottom frames are arranged at the bottom of the cargo bucket. At least three power cylinders are arranged on each bottom frame. An annular conveyor belt for loading fish is arranged between the bottom frames. A conveying motor of the annular conveyor belt is fixedly connected with the bottom frames. Surrounding edges are arranged on the periphery of the cargo bucket. The bottom ends of two surrounding edges in the same directions of the two sides of a ship body and oppositely arranged are hinged to the bottom frames respectively. A sliding plate for allowing fish to slide down is hinged to the top end of each surrounding edge. The power cylinders are connected with a power control system of a conveying ship, and the conveying motor is electrically connected with a controller of the conveying ship. The fishing boat unloading device can solve the problems that manual cargo carrying labor intensity is large, manual cargo carrying efficiency is low, and personal injuries are easily caused.

Inventors

WU HAIMEI

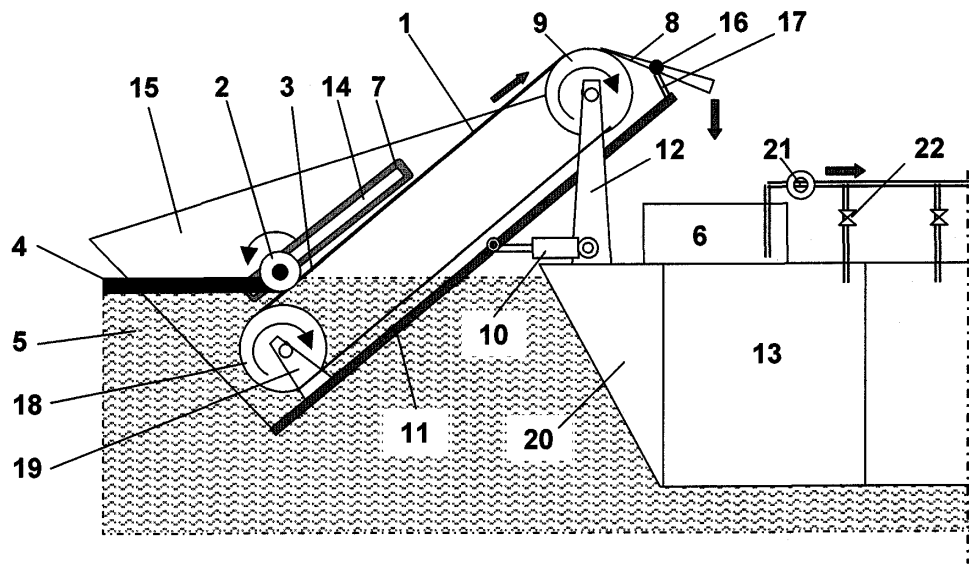
Family 19/100 - FAMPAT - ©Questel

Title

(FR2961531)

Recovering device for use in boat to recover crude oil suspended in e.g. river, has roller producing vertical and horizontal displacements combined under effect of hydrocarbon film to allow roller to remain in contact with belt or film

Images



Publication numbers with kind code & date

FR2961532	B1	2012-07-06	FR2961532
FR2961531	A1	2011-12-23	FR2961531
FR2961532	A1	2011-12-23	FR2961532



Abstract

(FR2961531)

The device has a conveyor belt (1) and a roller (2) that supports the belt and rotates the belt under an effect of its own weight, so that combined action of the roller and the belt grabs a hydrocarbon film (3) belonging to a hydrocarbons layer (4) suspended in water (5), and the belt is feed in a continuous manner. The roller produces vertical and horizontal displacements, which are combined under an effect of thickness of the hydrocarbon film so that the roller remains in contact with the belt or the film.

(From FR2961531 A1)

Inventors

LONGO EDGARD

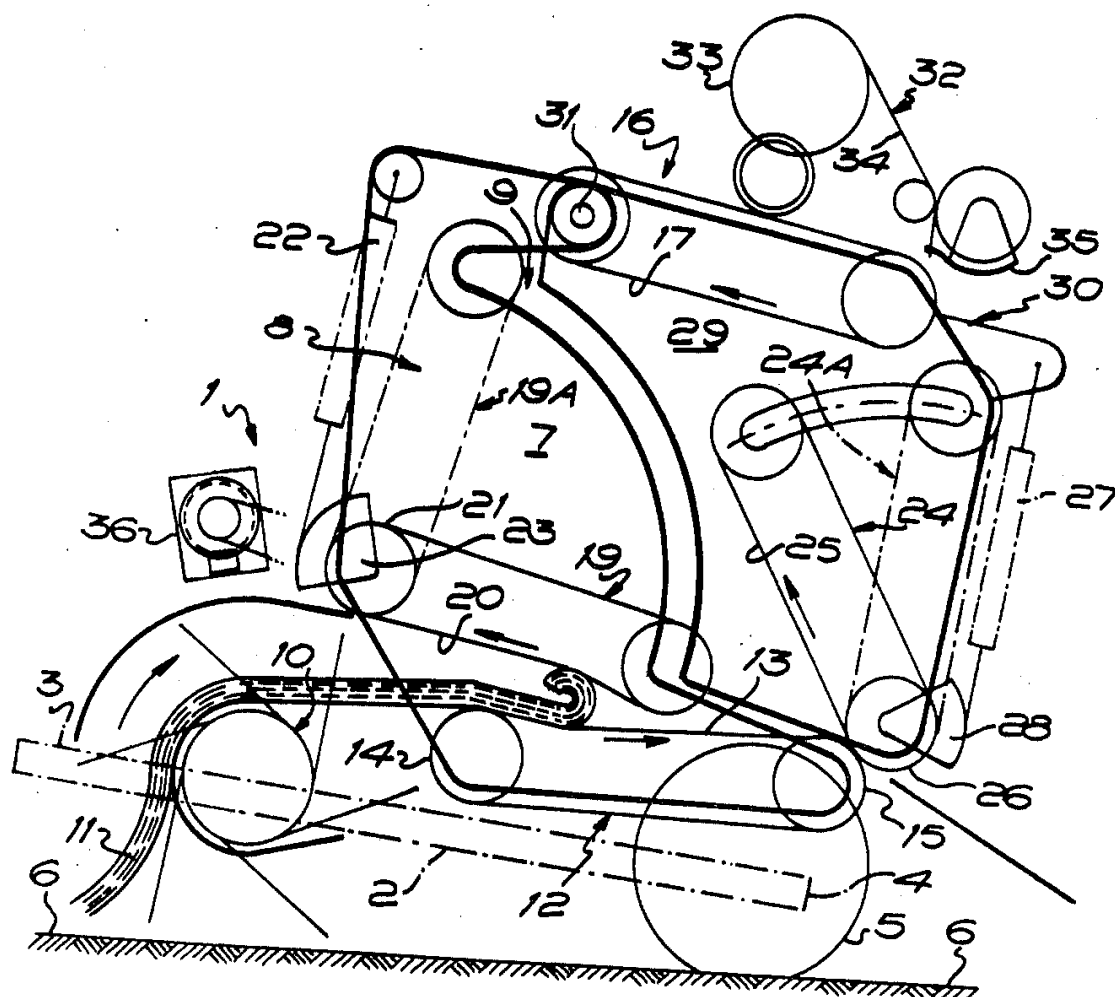
Family 20/100 - FAMPAT - ©Questel

Title

(US4262478)

Agricultural machine

Images



Publication numbers with kind code & date

FR2448282	B1	1985-03-01	FR2448282
FR2549688	A1	1985-02-01	FR2549688
GB2042972	B	1982-09-08	GB2042972
US4262478	A	1981-04-21	US4262478
GB2042972	A	1980-10-01	GB2042972
FR2448282	A1	1980-09-05	FR2448282
DE3004256	A1	1980-08-21	DE3004256
BE881575	A	1980-05-30	BE-881575



Abstract

(US4262478)

According to the present invention an agricultural machine for forming a round bale of windrowed fibrous material comprises a displaceable chassis carrying spaced apart side plates defining the width of a bale-forming chamber, a pick-up device located towards a forward end of the chassis and adapted to pick-up fibrous material from the ground and to discharge the fibrous material on to a carrying surface, which extends generally horizontally, of a first, fixed position **belt conveyor** defining the bottom of the chamber, and having a head end adjacent the pick-up device and a return end remote from the pick-up device, and serving to carry the fibrous material away from the pick-up device, and a plurality of additional **belt** conveyors each having an active surface adapted to co-operate with the carrying surface of the first, fixed position **belt conveyor** in the forming of a bale by the rolling of fibrous material, at least one of the additional **belt** conveyors being movable by having one end pivotably mounted, so that its other end is arcuately movable from an inner position to an outer position as the bale diameter progressively increases, means to urge the movable **conveyor(s)** towards the inner position and means to displace at least one of the **belt** conveyors whereby a finished bale may be discharged from a rearward end of the machine.

Inventors

PENTITH GERALD R O

Latest standardized assignees - inventors removed

C VAN DER LELY

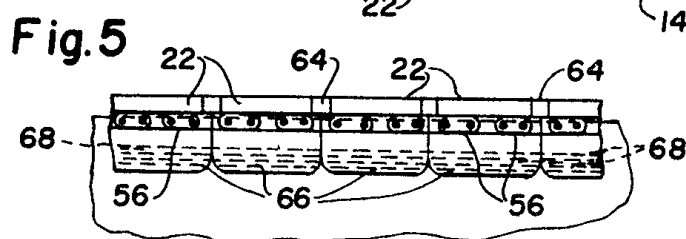
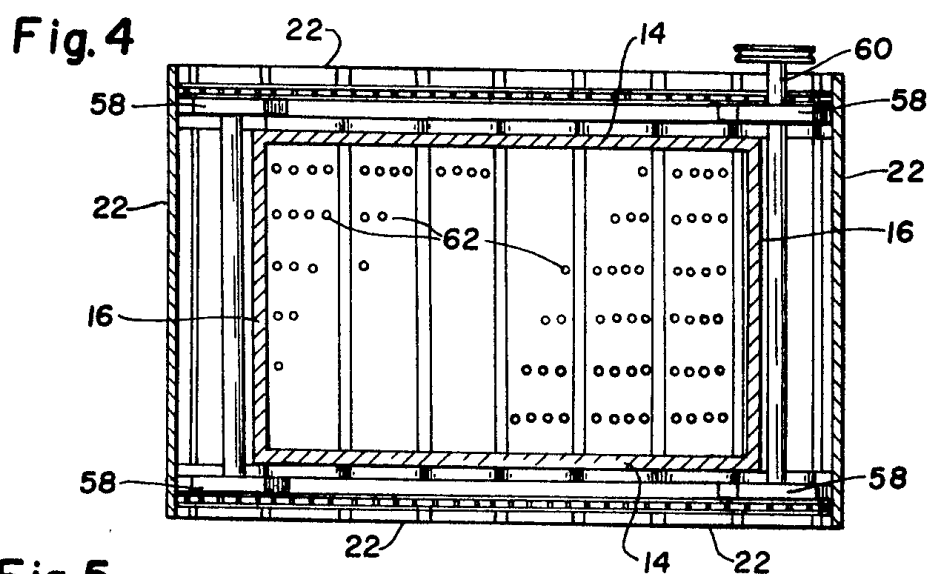
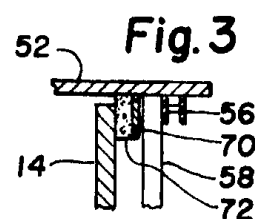
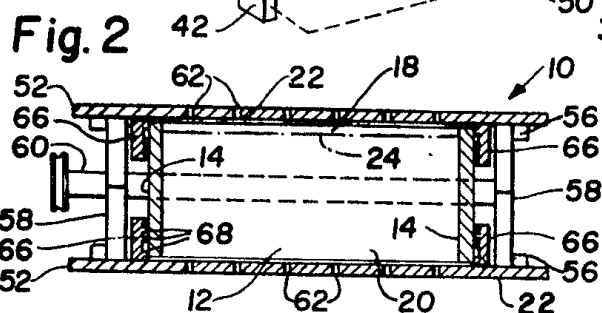
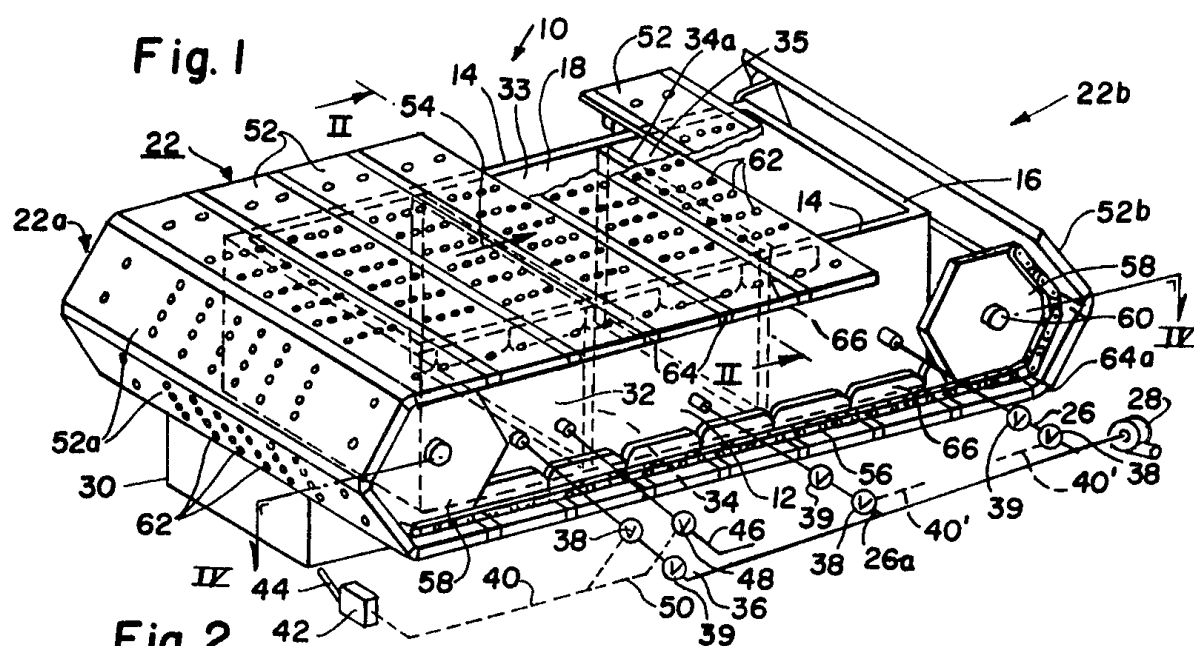
Family 21/100 - FAMPAT - ©Questel

Title

(US3477558)

Air lift and vacuum conveyors and foraminous **belt** means therefor

Images



INVENTOR
FRED J. FLEISCHAUER

DE1781436	B2	1976-07-22	DE1781436
DE1781436	A1	1973-04-19	DE1781436
DE1781437	A1	1973-04-12	DE1781437
DE1531946	B2	1972-09-28	DE1531946
US3592329	A	1971-07-13	US3592329
US3592334	A	1971-07-13	US3592334
GB1202413	A	1970-08-19	GB1202413
DE1531946	A1	1970-04-09	DE1531946
US3477558	A	1969-11-11	US3477558
FR1547624	A	1968-11-29	FR1547624



Abstract

(US3477558)

1,202,413. Endless conveyers; feeding and delivering sheets; packaging. F. J. FLEISCHAUER. 18 Sept., 1967 [27 Oct., 1966; 29 May, 1967], No. 42454/67. Headings B8A, B8C and B8R. A perforated endless conveyor **belt** is arranged to pass over an open face of a chamber connected with a source of fluid suction or alternatively of fluid pressure. The **belt** may be of slatted construction (Figs. 1-8, not shown). The slats may carry members (66) for effecting a seal between the **belt** and the wall (14) of the chamber (12) adjacent the open face of the latter. The chamber (12) may be divided into a series of separate chambers each connected to the source of suction (28<SP>1</SP>) (Fig. 7, not shown) by valves (100). The **belt** may be of continuous form comprising a foam layer (110) (Fig. 10A, not shown) overlaid by an apertured canvas layer (116<SP>1</SP>). The **belt** may be stiffened by transverse rods (372) and may have its edges running in channel-shaped seals (376) (Fig. 26, not shown). The foam layer (110) may be corrugated, indented, grooved, or otherwise shaped, in order to receive correspondingly shaped loads e.g. corrugated plastic sheets. Other loads may be wood or glass sheets. The **belt** may be formed of a number of parallel perforated strips (144) (Figs. 11 and 12, not shown). In Fig. 13, the **belt** reaction is supported by a vacuum chamber 170 against the open face of a number of rollers 166. Suction is supplied to the chamber 170 via a plenum chamber 180 from a pump 182 having a filter 194. In Fig. 16A, articles 198 are lifted from a roller conveyor 216. Because the suction chamber extends to include within its sphere of influence the perforated periphery of the upper return roller 114<SP>1</SP> of the conveyor, the articles 198 are carried round and on to a roller conveyor 217. Articles A, B, C . . . on a conveyor 278 (Fig. 19), are picked up by the suction of a conveyor and are discharged on to corresponding conveyers A, B, C . . . by destroying the suction at the discharge point by the action of a **plate** 240 pushed down by a solenoid 276. The latter is operated at the correct instant by a signal from a generator 284 activated with appropriate delay by a signal from a photo-cell 280. Instead of a **plate** 276, vacuum may be destroyed in a part or parts of the vacuum chamber by the operation of valvelike baffles (248) (Figs. 18C and 18D, not shown). The **belt** may be cleaned by pressure or suction applied through a slot (338) (Fig. 23). Alternatively the **belt** may be engaged by a roller (344) (Fig. 24, not shown) which carries brushes (346), dips into a container (354) of cleaning fluid, and has perforations connected to suction or pressure. Instead of air being drawn in through the **belt** to the chamber suction from atmosphere, it may be drawn from a chamber (382) (Fig. 27, not shown) which is connected to the output of the suction motor. Thus the air flow is in a closed circuit. In Fig. 29, a suction chamber 412 is formed with a series of valve housings 416. A valve 420 in each housing is normally held by gravity in duct-closing position. When an approaching load 423 obturates the duct, the increased depression causes the valve to be lifted. The valves 420 may alternatively be spring-loaded. When a chamber 12 of pressure higher than atmospheric is used, the plane of the conveyor **belt** (110<SP>1</SP>) may be inclined laterally to the horizontal (Fig. 25, not shown). Articles (362) then slide laterally under gravity and reduced friction due to the uprising air jets and engage a side rail (370). In the application to unstacking articles 298<SP>1</SP> (Fig. 21) from a lift device 308, the top layer of the stack is fed on to the conveyor by the action of a reciprocating **plate** 312 connected to a piston and cylinder device 318. Rollers 328 of a receiving roller conveyor 306 are canted with respect to the general direction of conveyance so as to feed the articles into succession in single file. In a further embodiment (Fig. 17) sheets 212 of glass or plywood are stacked on a device 210 by being picked up from an endless conveyor 216<SP>1</SP> by an endless conveyor **belt** 110<SP>1</SP> of the kind in which the sheets are picked up by, and held to the **belt** 110<SP>1</SP> by the action of suction (see Division B8). Suction is applied through apertures in the **belt** by a vacuum chamber

202<SP>1</SP>. As the sheets pass from the zone of the chamber 202<SP>1</SP> they drop by gravity, on the stack 220. Similar apparatus (Fig. 20, not shown) may be used to unstack sheets from a pile (298) on a continuously-moving lift device (294) and deposit them on to a service **belt** conveyor. In order to protect individual sheets, they may be interleaved with sheets of porous paper.

(From GB1202413 A)

Inventors

FLEISCHAUER FRED J

Latest standardized assignees - inventors removed

FLEISCHAUER FRED J

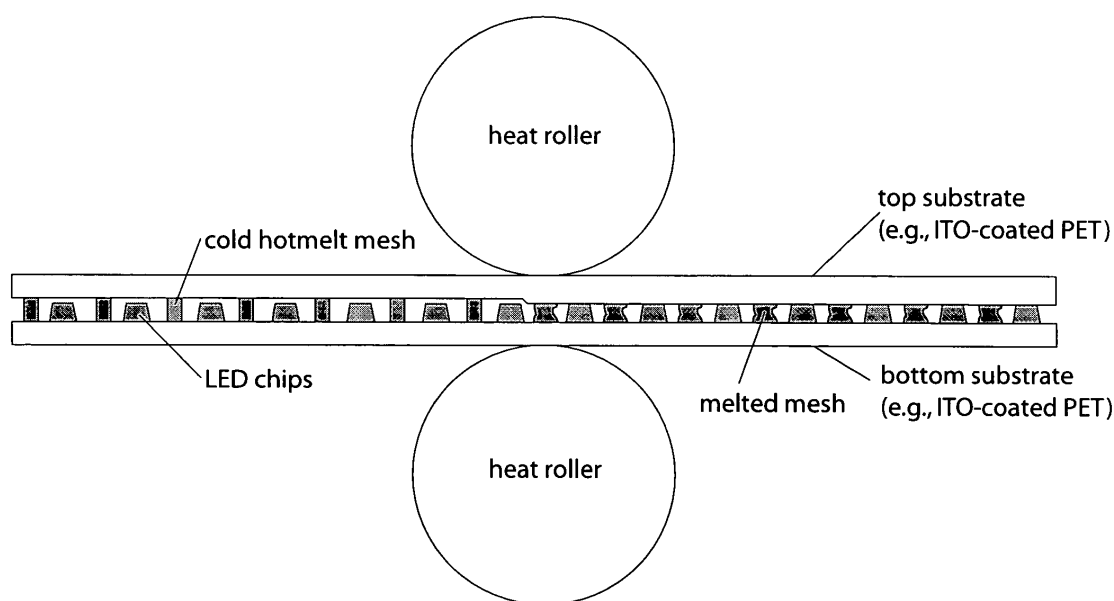
Family 22/100 - FAMPAT - ©Questel

Title

(EP1736035)

Roll-to-roll fabricated light sheet and encapsulated semiconductor circuit devices

Images



Publication numbers with kind code & date

CA2560701	C	2016-10-18	CA2560701
EP2041790	B1	2016-08-31	EP2041790
IN251341	B	2012-03-09	IN-251341
US8129730	B2	2012-03-06	US8129730
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US7863760	B2	2011-01-04	US7863760
US7858994	B2	2010-12-28	US7858994
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US20080191220	A1	2008-08-14	US20080191220				
WO2008/051596	A2	2008-05-02	WO200851596				
WO2007/149362	A3	2008-04-24	WO2007149362				
US20080067527	A1	2008-03-20	US20080067527				
WO2007/149362	A2	2007-12-27	WO2007149362				
US20070290217	A1	2007-12-20	US20070290217				
CN101088140	A	2007-12-12	CN101088140				
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JP2007531321	A	2007-11-01	JP2007531321				
IN5632/DELNP/2006	A	2007-08-24	IN2006DN05632				
US20070194332	A1	2007-08-23	US20070194332				
US7259030	B2	2007-08-21	US7259030				
US7217956	B2	2007-05-15	US7217956				
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US20070090387	A1	2007-04-26	US20070090387				
WO2005/099310	A3	2007-03-15	WO200599310				
US20070026570	A1	2007-02-01	US20070026570				
US20070026571	A1	2007-02-01	US20070026571				
MXPA06011114	A	2007-01-25	MX2006PA011114				
KR20070011419	A	2007-01-24	KR20070011419				
EP1736035	A2	2006-12-27	EP1736035				
US20060252336	A1	2006-11-09	US20060252336				
US7052924	B2	2006-05-30	US7052924				
AU2005232074	A1	2005-10-20	AU2005232074				
CA2560701	A1	2005-10-20	CA2560701				
WO2005/099310	A2	2005-10-20	WO200599310				
US20050211998	A1	2005-09-29	US20050211998				
US20050212007	A1	2005-09-29	US20050212007				
US20050212406	A1	2005-09-29	US20050212406				
US20050214962	A1	2005-09-29	US20050214962				
US20050214963	A1	2005-09-29	US20050214963				

Abstract

(EP1736035)

A method of making a light active sheet. A bottom substrate having an electrically conductive surface is provided. A hotmelt adhesive sheet is provided. Light active semiconductor elements, such as LED die, are embedded in the hotmelt adhesive sheet. The LED die each have a top electrode and a bottom electrode. A top transparent substrate is provided having a transparent conductive layer. The hotmelt adhesive sheet with the embedded LED die is inserted between the electrically conductive surface and the transparent conductive layer to form a lamination. The lamination is run through a heated pressure roller system to melt the hotmelt adhesive sheet and electrically insulate and bind the top substrate to the bottom substrate. As the hotmelt sheet is softened, the LED die breakthrough so that the top electrode comes into electrical contact with the transparent conductive layer of the top substrate and the bottom electrode comes into electrical contact with the electrically conductive surface of the bottom substrate. Thus, the p and n sides of each LED die are automatically connected to the top conductive layer and the bottom conductive surface. Each LED die is encapsulated and secured between the substrates in the flexible, hotmelt adhesive sheet layer. The bottom substrate, the hotmelt adhesive (with the embedded LED die) and the top substrate can be provided as rolls of material. The rolls are brought together in a continuous roll fabrication process, resulting in a flexible sheet of lighting material.

Inventors

DANIELS JOHN J

NELSON GREGORY V

Latest standardized assignees - inventors removed

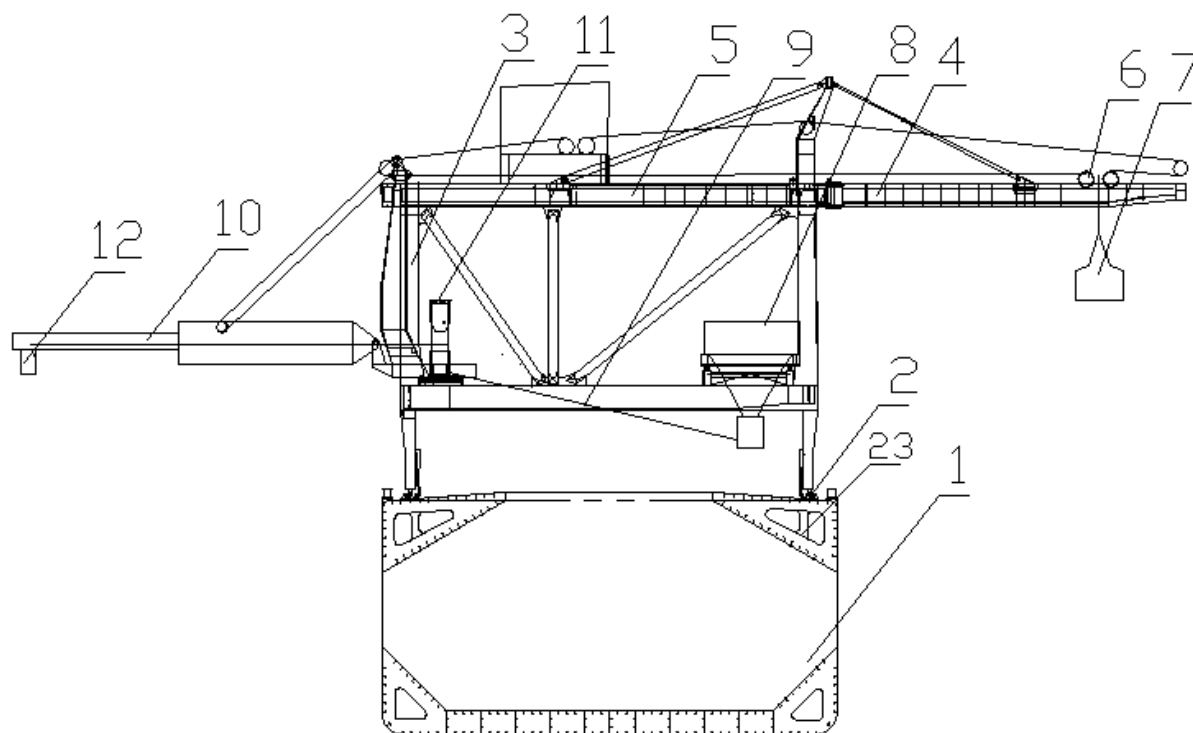
GROTE INDUSTRIES

GROTE INDUSTRIES CANADA

Family 23/100 - FAMPAT - ©Questel

Title

(CN104291128)

Function **boat** integrating loading, unloading and conveying**Images****Publication numbers with kind code & date**

CN104291128	B	2017-02-15	CN104291128B
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CN104291128	A	2015-01-21	CN104291128
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**Abstract**

(CN104291128)

A function **boat** integrating loading, unloading and conveying comprises a **boat** body (1), a rail (2) which is arranged on the **boat** body, two sets of overside loading and unloading systems which can move on the rail (2), incline proof hooks (16) with first ends being connected with travelling mechanisms of the overside loading and unloading systems or two ends of gantries and two protruding sliding rails (21) which are fixedly arranged on the **boat** body (1) and are for hook bodies of the incline proof hooks (16) to abut; the hook bodies of the incline proof hooks (16) are in matching connection with the bottom surfaces of the sliding rails (21); the override loading and unloading systems comprises the travelling mechanisms, the gantries which are connected with the travelling mechanisms, unloading devices which are connected with the gantries and the loading devices; the unloading devices comprise first cantilever cranes (4); the loading devices comprise second cantilever cranes (10); the first cantilever cranes (4) can horizontally rotate to the lateral side of top beams of the gantries; the second cantilever cranes (10) can rotate inside a ship board of the multifunctional **boat**.

Inventors

HU XUEJUN

LI FUCHEN

XIAO FENG

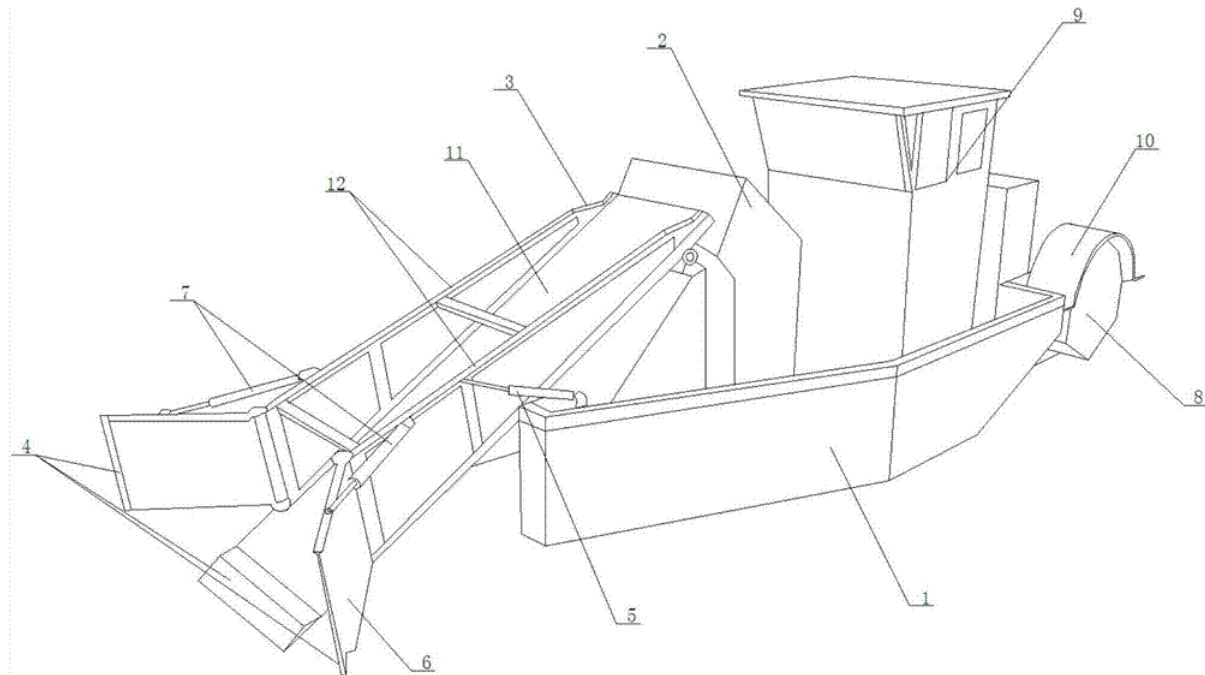
Latest standardized assignees - inventors removed

TIDFORE HEAVY EQUIPMENT

Family 24/100 - FAMPAT - ©Questel

Title

(CN207157441U)

Grass cutting **boat****Images****Publication numbers with kind code & date**

CN207157441 U 2018-03-30 CN207157441U

**Abstract**

(CN207157441)

The utility model discloses a grass cutting **boat**, including the hull, be provided with crushing room on the hull, the import department that smashes the room is provided with **conveyor**, and **conveyor**'s one end articulates on the hull of the imported position of smashing the room, and **conveyor**'s the other end is provided with cutting device, and **conveyor**'s middle part is through lift hydraulic stem and ship body connected, and **conveyor** is provided with that cutting device's one end is **articulated** to have two pendulum boards, and the tip of pendulum board is provided with cutting device, puts and is provided with the swing hydraulic stem between board and the **conveyor**, the cutting device who sets up cuts down aquatic weeds, smashes in smashing the room carrying through **conveyor**, and weeds after smashing provide the nutrient for underwater creature arranging the aquatic, and cutting device sets up three more for that cuts weeds is efficient, can effectually clear away the weeds of aquatic.

Inventors

PANG AIQUAN

Latest standardized assignees - inventors removed

QINGZHOU KEDA MINGING MACHINE

Family 25/100 - FAMPAT - ©Questel

Title

(FR2678592)

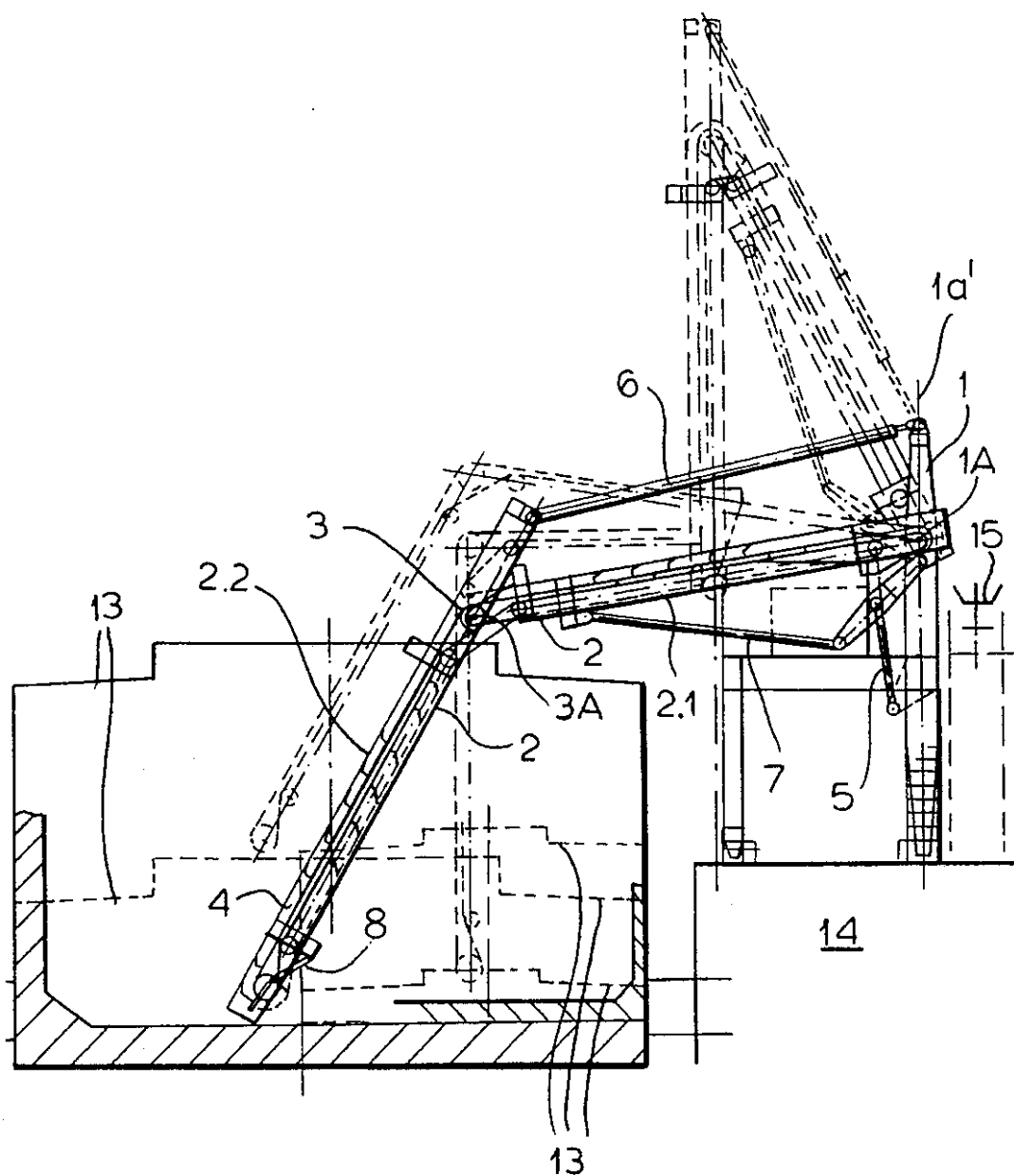
INSTALLATION OF CONTINUOUS UNLOADING OF SHIPS.

Images

Family 26/100 - FAMPAT - ©Questel

Title

(US5620292)

Apparatus for unloading large fish from a **boat** hold**Images****Publication numbers with kind code & date**

PT101794	B	1998-04-30	PT-101794
DE19502279	C2	1998-04-09	DE19502279
US5620292	A	1997-04-15	US5620292
JPH08268565	A	1996-10-15	JP08268565
DE19502279	A1	1996-08-01	DE19502279
PT101794	A	1996-07-31	PT-101794

**Abstract**

(US5620292)

An apparatus for unloading fish from a hold of a **boat** adjacent an unloading site has a carriage movable horizontally at the site along the **boat**, an **articulated** arm, and an endless **conveyor** extending along the arm. This arm has a rigid inner section having an inner end pivoted about a horizontal inner axis on the carriage and an outer end, a pivot defining an outer

horizontal axis at the inner-section outer end, and a rigid outer section having an inner end pivoted on the inner-section outer end at the pivot and an outer end. An inner actuator braced between the carriage and the inner section can pivot the arm on the carriage about the inner axis and an outer actuator braced between the arm sections can pivot the outer section about the outer axis on the inner section. The **conveyor** extends along the arm from the inner-section inner end to the outer-section outer end and has a carry stretch on one side of the sections and a return stretch on an opposite side of the sections. A multiplicity of holders spaced along the **conveyor** each include a pair of separate laterally spaced buckets defining a central gap. Support wheels on the arm engage the **belt** in the gap between the buckets.

Inventors

STECKEL HORST DIPL ING

KERN HELMUT

Latest standardized assignees - inventors removed

PWH ANLAGEN & SYSTEME

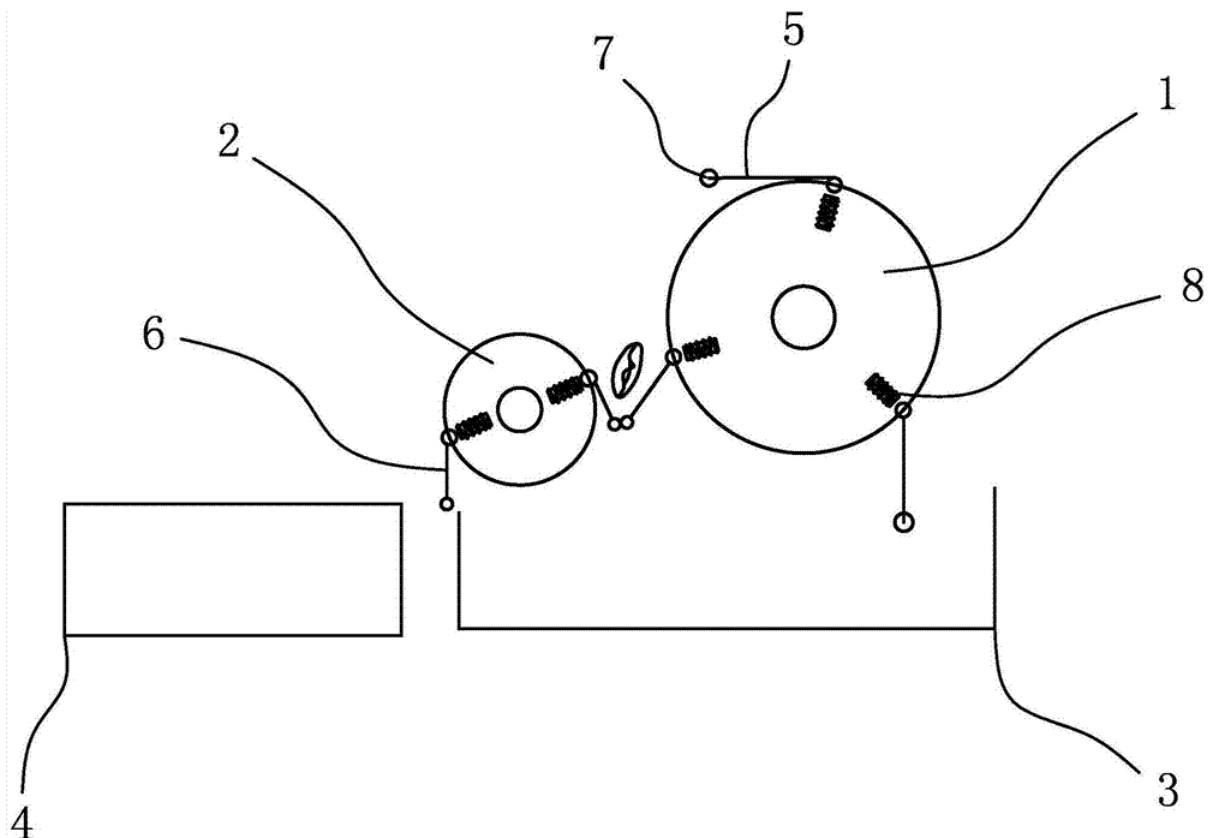
Family 27/100 - FAMPAT - ©Questel

Title

(CN106741675)

Marine product catching sorting device for fishing **boat**

Images



Publication numbers with kind code & date

CN106741675	B	2018-11-20	CN106741675B
CN106741675	A	2017-05-31	CN106741675



Abstract

(CN106741675)

The invention provides a marine product catching sorting device for a fishing **boat**, and belongs to the technical field of machinery. The sorting device solves the problems that the **boat** body space of the existing fishing **boat** is limited, so that production line type equipment cannot be suitable for sorting; labor sorting is generally adopted, and the work efficiency is low. The marine product catching sorting device for the fishing **boat** comprises a feeding wheel and a discharging wheel which are mutually parallel and have opposite rotating directions, wherein the feeding wheel is positioned at the side part of one side of the discharging wheel; a gap is formed between the feeding wheel and the discharging wheel; a first hopper is

arranged under the gap; the other side of the discharging wheel is provided with a second hopper; a plurality of first conveying plates are arranged on the feeding wheel along the circumferential direction; a plurality of second conveying plates are arranged on the discharging wheel along the circumferential direction; magnets are arranged on both the first conveying plates and the second conveying plates. The marine product catching sorting device for the fishing boat has the advantages that the structure is simple; the use is convenient; the occupied space is small; the sorting device is suitable for being used by small-size boats; seafood products in certain specifications can be automatically sorted; meanwhile, fingerlings and shrimps are filtered and removed; the work efficiency is improved.

Inventors

ZHU CONGRONG

Latest standardized assignees - inventors removed

ZHEJIANG OCEAN UNIVERSITY

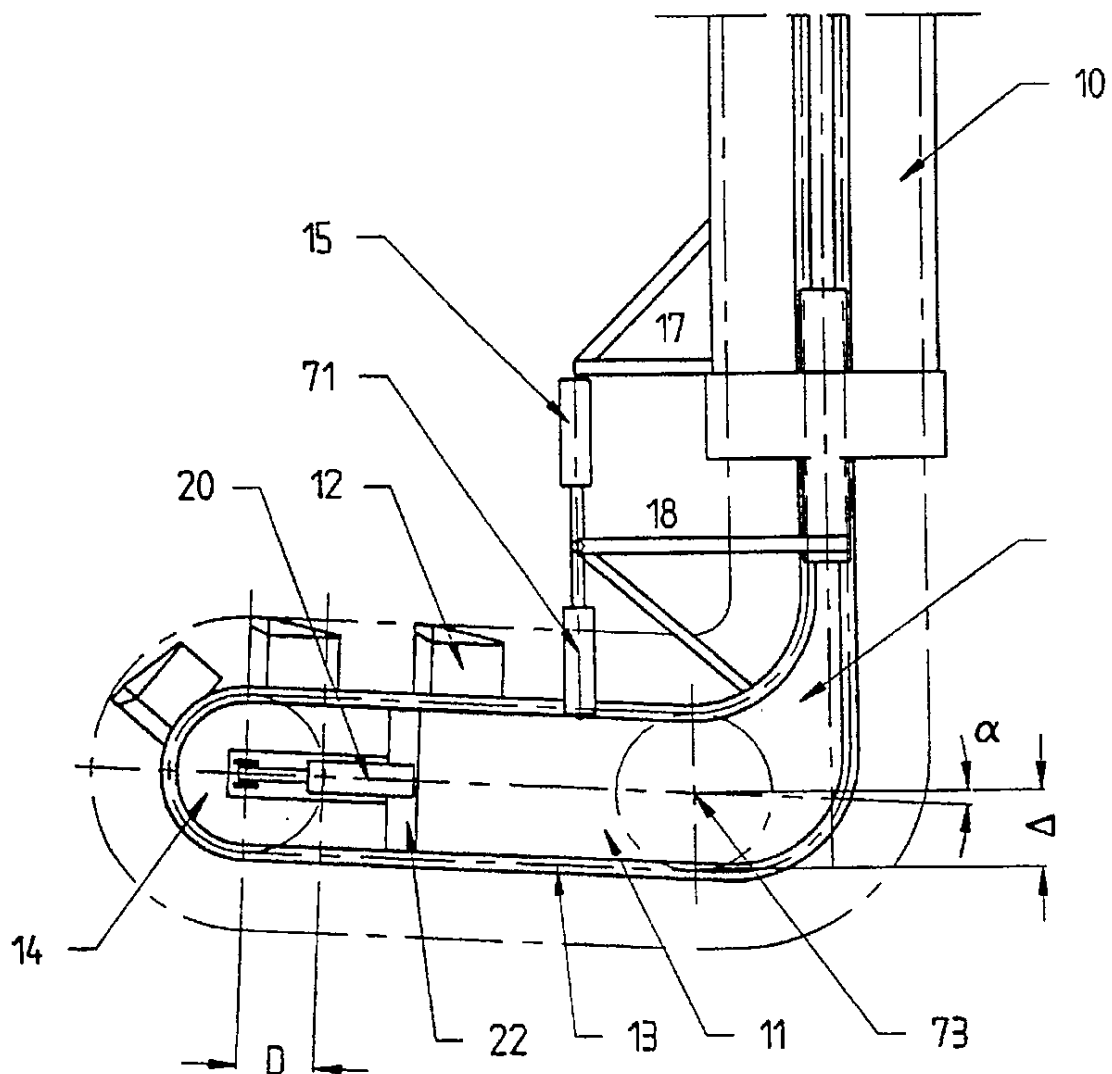
Family 28/100 - FAMPAT - ©Questel

Title

(EP-688297)

Automatic loading bucket elevator

Images



Publication numbers with kind code & date

BRPI9505822

B1 2000-05-02 BR9505822

DE4439867

C2 2000-02-24 DE4439867

CN1044797

C 1999-08-25 CN1044797C

KR100194374



	B1	1999-06-15	KR100194374				
AU682088	B2	1997-09-18	AU-682088				
US5651447	A	1997-07-29	US5651447				
JPH08507999	A	1996-08-27	JP08507999				
CN1122124	A	1996-05-08	CN1122124				
BR9505822	A	1996-03-12	BR9505822				
BRPI9505822	A1	1996-03-12	BRPI9505822				
KR19960700948	A	1996-02-24	KR19967000948				
KR960700948	A	1996-02-24	KR19960700948				
EP0688297	A1	1995-12-27	EP-688297				
FI954303	A	1995-09-13	FI9504303				
FI954303	A0	1995-09-13	FI9504303				
NO953407	L	1995-08-31	NO-953407				
NO953407	D0	1995-08-31	NO9503407				
AU1386195	A	1995-08-01	AU9513861				
DE4439867	A1	1995-07-20	DE4439867				
WO95/19313	A1	1995-07-20	WO9519313				

Abstract

(EP0688297)

An L-shaped bucket elevator (10, 11), useful in particular to unload ships, has a vertical trunk (10) and a feed boot (11) that moves perpendicularly to the trunk and has a substantially vertical section and a substantially horizontal section. Vertical (15, 16) and if required also slanting cylinders (71) of the feed boot adapt the bucket elevator to the ship's movements. Horizontal cylinders (20, 21) stretch and/or equilibrate the traction member (13). The chains (13) may be stretched and the excavation force (F_v) may be generated in a separate and pre-adjustable manner by the horizontal cylinders (20, 21), as well as by the vertical cylinders (15, 16) and slanting cylinders (71). The length of the chain is equalised between the horizontal and vertical rods by measures such as the hydraulic coupling between the horizontal (20, 21) and vertical cylinders (15, 16), as well as by pressure accumulators (27, 28). The tumblers thus float in the horizontal direction, the horizontal section floats around a joint (18) between the vertical and horizontal sections and the whole feed boot (11) floats in the vertical direction. The chain stretching force (F_{sp}) and the excavation force (F_v) between the bulk material and the feed boot (11) thus remain constant during the whole operation of the bucket elevator. The feed boot (11) is automatically adapted to the ship's movements, so that the carrying capacity of the bucket elevator (12) is optimised.

Inventors

HUANG YADA

Latest standardized assignees - inventors removed

PWH ANLAGEN & SYSTEME

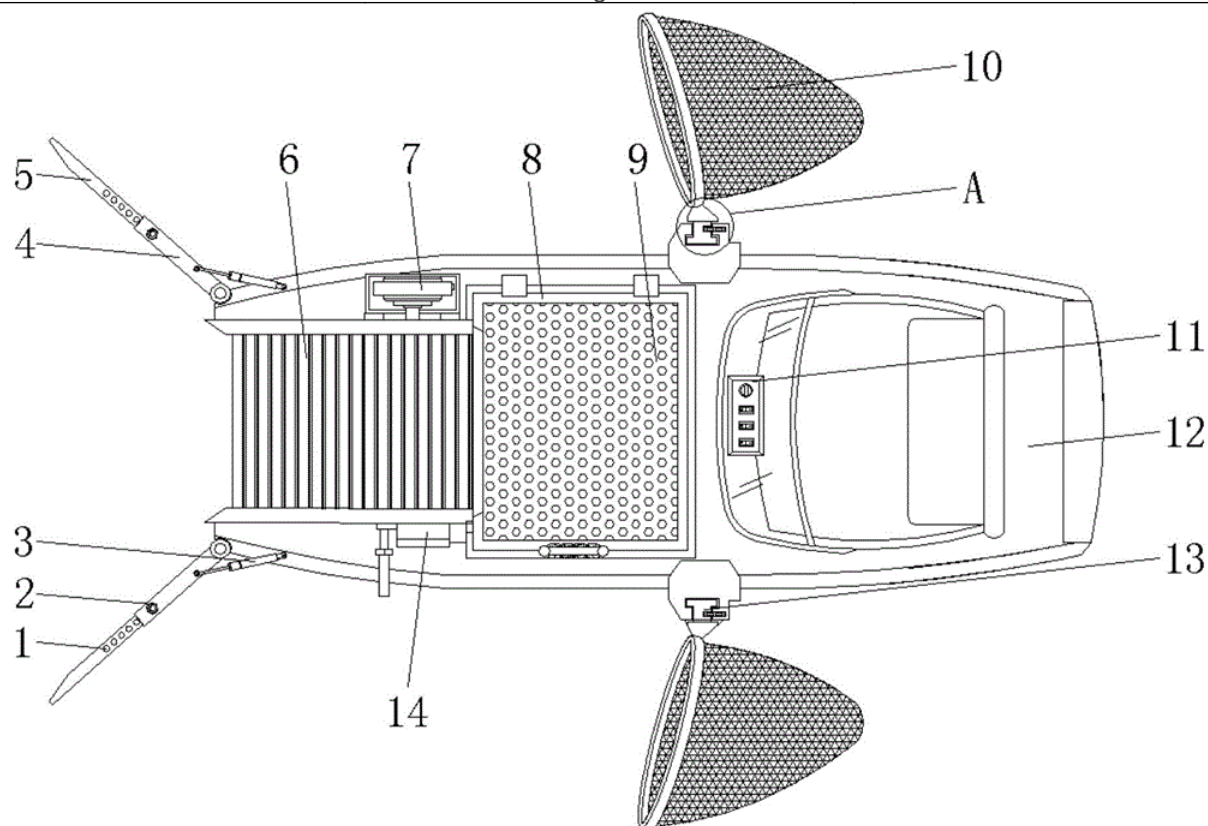
Family 29/100 - FAMPAT - ©Questel

Title

(CN209366394U)

Multi-functional fishing **boat** cyanobacteria

Images



Publication numbers with kind code & date

CN209366394

U 2019-09-10 CN209366394U



Abstract

(CN209366394)

The present utility model discloses a fishing **boat** multifunction cyanobacteria, including fishing **boat** body, one end of a fishing **boat** body both sides symmetrically hinged with the outer barrier, the inner and outer barrier in sliding contact therewith are provided with internal baffles, one end of the baffle in the top adjacent the outer barrier are provided with fastening bolts, threaded holes are provided through the top of the inner shield are uniform, and the screw holes and corresponding fastening bolts is fitted, is attached to one end of the outer diaphragm header both an electrical thruster, and the other end of the fishing **boat** automatic lifting body secured to both. The present utility model is attached to the inner and outer baffles, threaded holes, bolts and an electrical thruster, loosening the tightening bolt, adjusting the position of the inner barrier and the barrier, to adjust the overall length of the baffle **plate**, fastening the fastening bolt after adjustment is complete, the outer barrier through the control panel controls the automatic lifting and then pushing and pulling, depending on the amount of salvage a suitable baffle lengths and angles to adjust, in order to improve the efficiency of salvaging.

Inventors

WEN LONGSHENG

Latest standardized assignees - inventors removed

ZHANGJIAGANG XINLONGTAI ENVIRONMENTAL PROTECTION MACHINERY

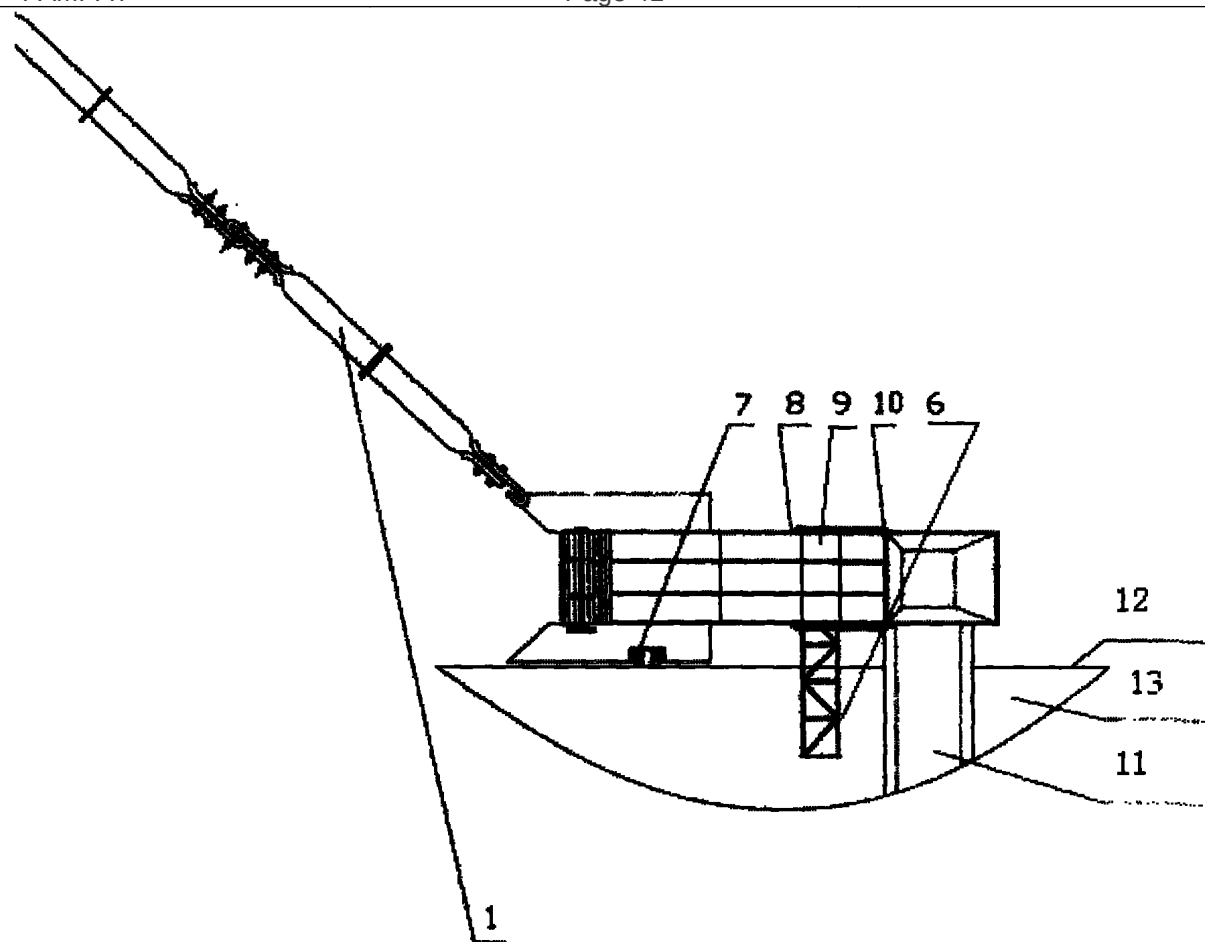
Family 30/100 - FAMPAT - ©Questel

Title

(CN201952790U)

Follow-up type device for continuously salvaging and separating maritime enteromorpha prolifera

Images



Publication numbers with kind code & date

CN201952790

U 2011-08-31 CN201952790U



Abstract

(CN201952790)

The utility model relates to the field of environment-friendly maritime engineering ships, in particular to a follow-up type device for continuously salvaging and separating maritime enteromorpha prolifera. The device comprises a maritime floating body and an enteromorpha prolifera driving wheel; the follow-up type device is characterized in that the follow-up type device comprises a continuously salvaging conveyor and a side bracket; wherein the continuously salvaging conveyor is composed of a frame, a transmission chain, a mesh shaped conveying belt with rake teeth and a driving device; the lower end of the continuously salvaging conveyor is placed in the sea and is articulated with the maritime floating body, and the upper end of the continuously salvaging conveyor is articulated with the side bracket on the enteromorpha prolifera salvage-boat deck; the external side of the maritime floating body is connected with a traction fence of the maritime enteromorpha prolifera, and the internal side of the maritime floating body is connected with a connecting roller wheel of the side plate of the salvage boat; and the enteromorpha prolifera driving wheel that is provided with a driving mechanism is installed on the water surface at the front opening position of the maritime floating body. In the utility model, continuous salvaging work and separating work with the seawater for large-area maritime enteromorpha prolifera can be realized; the follow-up type device can automatically follow up the fluctuation of the wave and the swinging of the boat body, therefore, the salvaging and separating work with seawater for the large area of maritime floating enteromorpha prolifera can be guaranteed to be normally performed by the large-scale maritime enteromorpha prolifera salvage boat.

Inventors

ZHANG ZHIGUO

YANG JINXU

YANG JINGZHONG

LIU HAIBIN

Latest standardized assignees - inventors removed

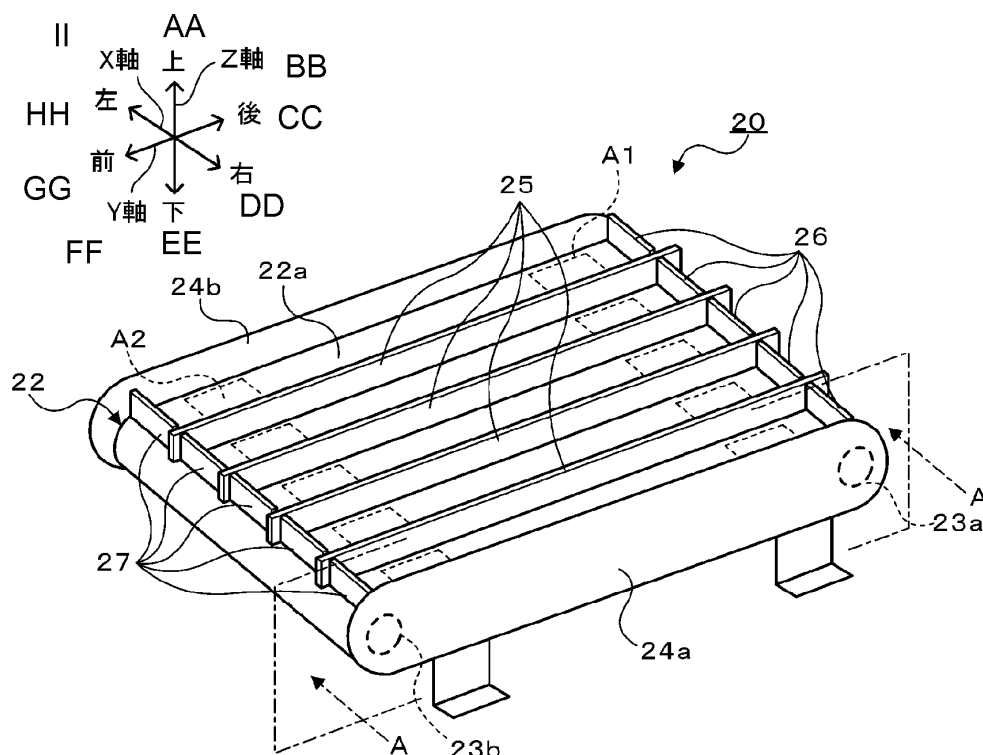
QINGDAO GUOHAI MAISITE MACHINERY

Family 31/100 - FAMPAT - ©Questel

Title

(WO201892211)

Transfer device and transport system

Images

AA	Top	EE	Bottom
BB	Z axis	FF	Y axis
CC	Rear	GG	Front
DD	Right	HH	Left
II	X axis		

Publication numbers with kind code & date

JPWO2018092211	A1	2019-07-04	JP2018092211W
WO2018/092211	A1	2018-05-24	WO201892211

**Abstract**

(WO2018/092211)

This transfer device is configured by being provided with: a **conveyor belt** having a placing section for placing a workpiece; a feeding device that feeds the **conveyor belt**; partitions that partition the placing section of the **conveyor belt** into a plurality of placing sections extending in parallel in the **belt** feeding direction; and an actuator that vertically moves the placing sections.

Inventors

MORI, Kazuaki

Latest standardized assignees - inventors removed

FUJI

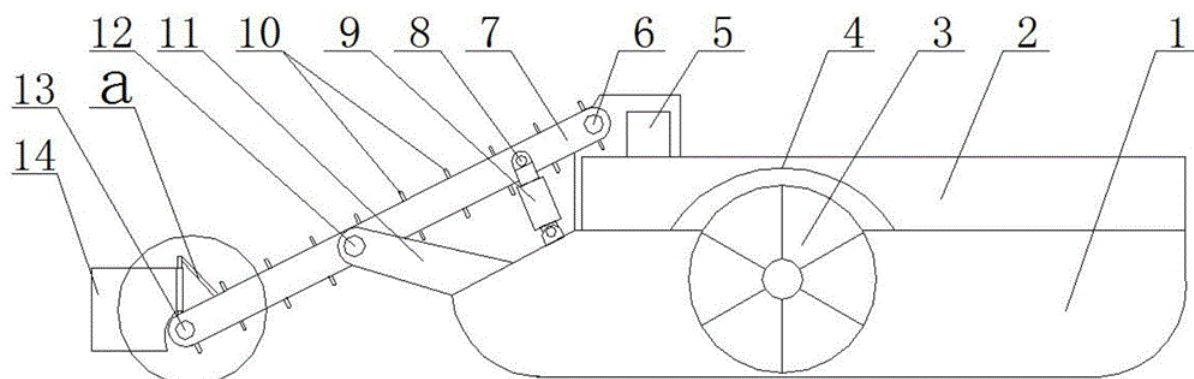
Family 32/100 - FAMPAT - ©Questel

Title

(CN209099332U)

Waterway surface floats the cleaning vessel

Images



Publication numbers with kind code & date

[CN209099332](#) U 2019-07-12 CN209099332U



Abstract

(CN209099332)

The present utility model belongs to the field of hydropower engineering technology, in particular to a waterway surface floats cleanup boats, comprising a hull, drive wheels, the shield plate, driver's cab and a power system, a waste collection bin top of the hull, the hull front end holds two corresponding support arm, between the ends of the two supporting arms are articulated with the carriages through pin 1st, 2nd transport aircraft through rear end of the pin shaft has two elevator mechanism, the other end of two lifting mechanisms are hinged on the hull, head and tail of the carriages are separately provided with the driven roller and the drive roller, drive roller coupled power system, coupled to the driven roller and the drive roller through the belt, the conveyor belt is provided with a plurality of drain holes, are fixed to the outer side of the conveyor belt collection-tooth, the head end of the carriages are fixed two collection plates. The present utility model waterway surface floats cleaning vessel, a float on the water surface can be quickly cleaned waterway, saving time and labor.

Inventors

MA FENG

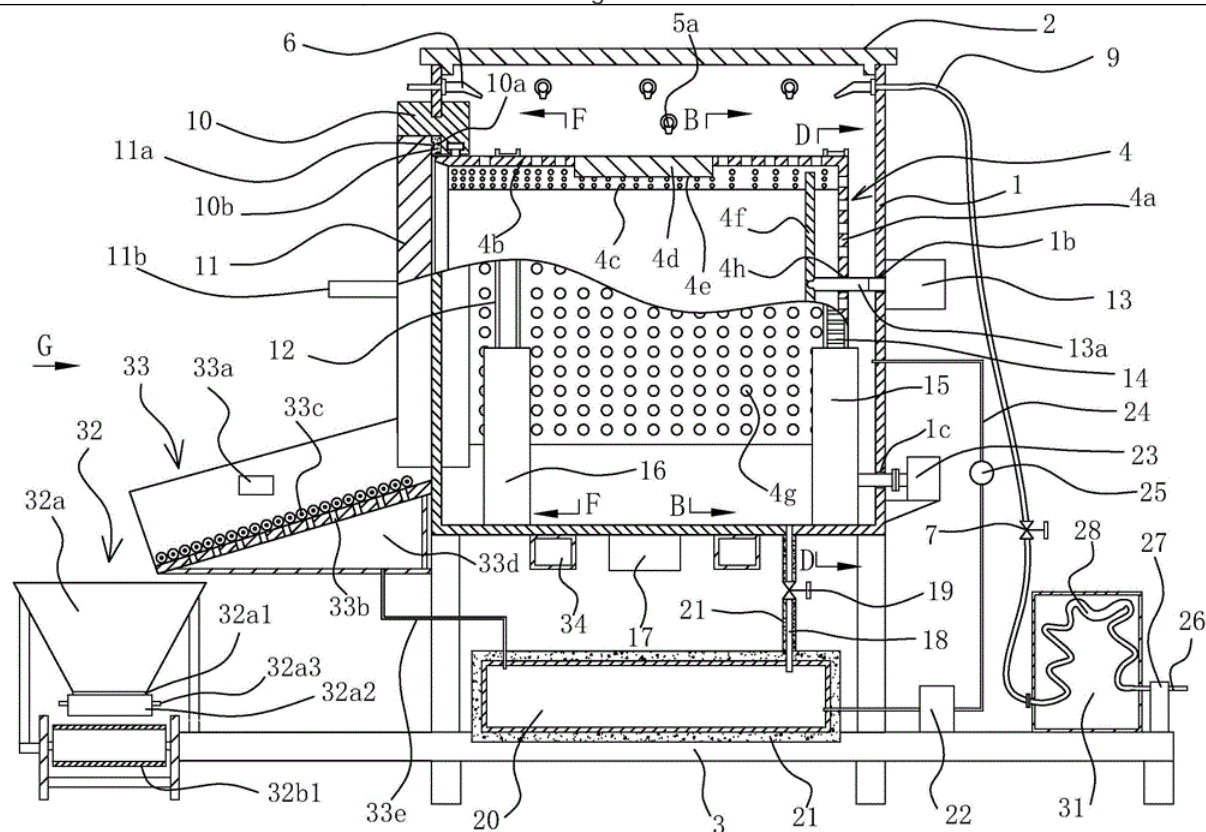
Family 33/100 - FAMPAT - ©Questel

Title

(CN106418296)

Sleeve-fish steaming device for fishing boat

Images



Publication numbers with kind code & date

CN106418296	B	2019-09-03	CN106418296B
CN106418296	A	2017-02-22	CN106418296



Abstract

(CN106418296)

The invention provides a sleeve-fish steaming device for a fishing **boat**, and belongs to the technical field of food processing equipment. The sleeve-fish steaming device for the fishing **boat** comprises a steaming box, a steaming cylinder is arranged in the steaming box, a connecting sleeve is mounted on the side wall of the steaming box, an open end of a cylinder body is rotatably connected onto the connecting sleeve, a driving mechanism is arranged between the steaming cylinder and the bottom of the steaming box, stirring vanes are arranged on the inner wall of the cylinder body, a push **plate** is arranged in the steaming cylinder, a power mechanism is arranged on the steaming box, a sealing door is hinged on the outer wall of the steaming box, a base is arranged on the lower portion of the steaming box, a middle water tank is arranged on the base, communicated with the bottom of the steaming box through a discharge pipe and communicated with the inside of the steaming box through a water return pipe, a plurality of spray nozzles are arranged at the upper end of the steaming box, air outlets of the spray nozzles face the steaming cylinder, a water supply pipe is arranged at the upper end of the steaming box, an exhaust gas heating pipe and a heater are arranged at the bottom of the steaming box, a discharging hopper is arranged on the outer wall of the steaming box, and conveying device for conveying sleeve-fishes is arranged on the base. The sleeve-fish steaming device has the advantages that the sleeve-fish steaming device is high in working efficiency, energy is saved and the like.

Inventors

WU YANGYANG
FANG XUBO
CHEN XIAOE
YUAN GAOFENG
SUN HAIYAN

Latest standardized assignees - inventors removed

ZHEJIANG OCEAN UNIVERSITY

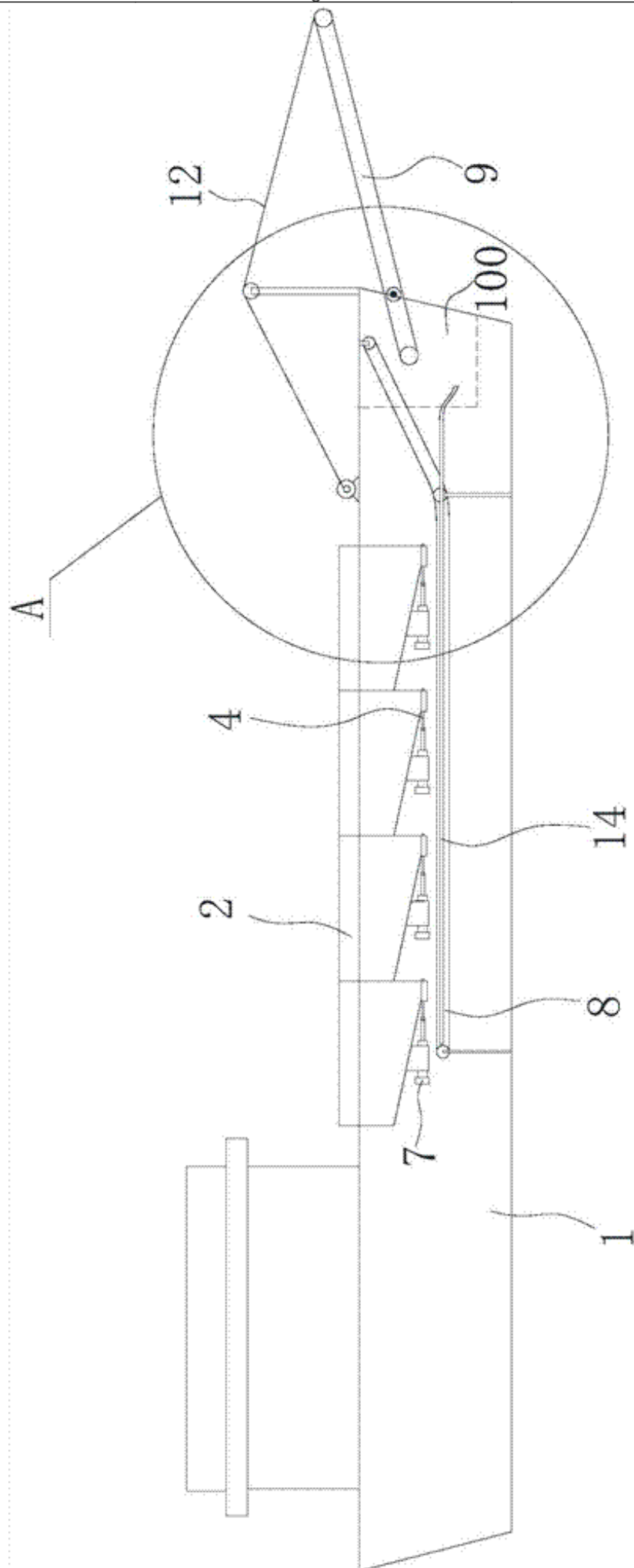
Family 34/100 - FAMPAT - ©Questel

Title

(CN208248440U)

Sand carrier

Images



Publication numbers with kind code & date[CN208248440](#)

U 2018-12-18

CN208248440U

**Abstract**

(CN208248440)

The utility model discloses a sand carrier, the internal chamber in cabin is leaks hopper -shaped, the bottom of the cabin body is equipped with drop - hole, the last hatch door that drives the translation through power device that is equipped with of drop - hole, install a first conveyer **belt** of arranging along hull length direction in the hull, the grit that is fallen down by drop - hole is accepted to first conveyer **belt**, still including the second conveyer **belt**, the one end of second conveyer **belt** stretches into the inside of hull and accepts the grit that is fallen down by first conveyerbelt, the other end of second conveyer **belt** extends to the place ahead of hull, the head of hull is equipped with a supporting rack, the top of supporting rack is equipped with the pulley, the secondconveyer **belt** is **articulated** with the cephalization of hull, still including a rope and a hoist engine, the hoist engine is connected to the one end of rope, the other end is walked around the pulleyand is later connected the second conveyer **belt**, this kind of sand carrier can accomplish the hull knockout automatically, the operation process on defeated sand to bank, and the second conveyer beltthat has adjustable height, can be based on actual conditions adjustment height on the bank.

Inventors

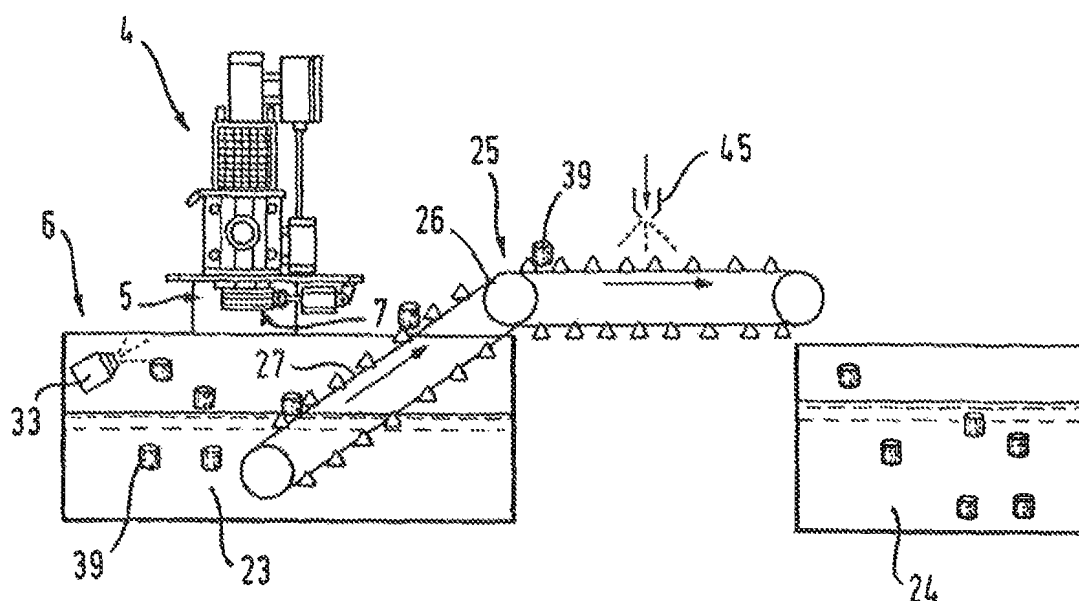
LI TAOYING

Family 35/100 - FAMPAT - ©Questel

Title

(EP2747969)

Melt processing plant and method for treating a melt in such a plant

Images**Publication numbers with kind code & date**[KR10-1991024](#)

B1 2019-06-19

KR101991024

[US9873220](#)

B2 2018-01-23

US9873220

[TWI608916](#)

B 2017-12-21

TWI608916

[CN103764358](#)

B 2016-11-23

CN103764358B

[TH152579](#)

A 2016-05-27

TH-152579

[EP2747969](#)

B1 2015-12-16

EP2747969

[EP2747969](#)

A1 2014-07-02

EP2747969



US20140175695	A1	2014-06-26	US20140175695				
KR20140062061	A	2014-05-22	KR20140062061				
CN103764358	A	2014-04-30	CN103764358				
TW201313427	A	2013-04-01	TW201313427				
WO2013/026506	A1	2013-02-28	WO201326506				
DE202011104968	U1	2013-01-17	DE202011104968				

Abstract

(EP2747969)

The present application relates to a melt processing plant, having a melt feeder (2) for feeding melt to a processing head, in particular granulator head (3), wherein the melt feeder is assigned, upstream of the processing head, a start-up valve (4) for discharging the melt during a start-up and/or conversion phase, and to a method for melt processing in a melt processing plant of said type. According to the invention, the start-up valve (4) is assigned a portioning device (5) for dividing the discharged melt into melt portions, wherein a cooling device (6) for cooling the melt portions into at least partially solidified material lumps is provided.

Inventors

ELOO MICHAEL

VELTEL JÜRGEN

Latest standardized assignees - inventors removed

GALA INDUSTRIES

Family 36/100 - FAMPAT - ©Questel

Title

(EP-298147)

Loading and unloading device, in particular for ships carrying bulk goods, in particular for loaded pallets

Images

KR890701460	A	1989-12-20	KR19890701460
AU2121088	A	1989-02-13	AU8821210
WO89/00541	A1	1989-01-26	WO8900541
EP0298147	A1	1989-01-11	EP-298147

**Abstract**

(EP0298147)

The loading and unloading device for ships consists of a quayside gantry (20) having a vertically swivellable extension arm (30) which is formed by a supporting arm (130) with a supporting frame (40) and a supporting frame (50) which is guided in the latter and can be displaced in a horizontal direction, which supporting frame (50) carries at its free end a vertical **conveyor** (60) which can be displaced heightwise and is provided with a pallet-transporting device which is designed as a lifting platform (162) and interacts with a feed or delivery path (70) for the goods to be transported which is arranged in the extension arm (30), which gantry (20) comprises a transport path (170) arranged in the supporting frame (50), a transport path (270) arranged in the supporting frame (40) and a transport path (370) arranged between these two transport paths (170, 270), the said transport path (370) being displaceable in the space formed between the two transport belts (170, 270) by pulling out the supporting frame (50) from the supporting frame (40), so that loaded pallets are transported along a transport path with stepless transitions.

Inventors

ECKEL,WILFRIED, DIPL. ING.

Latest standardized assignees - inventors removed

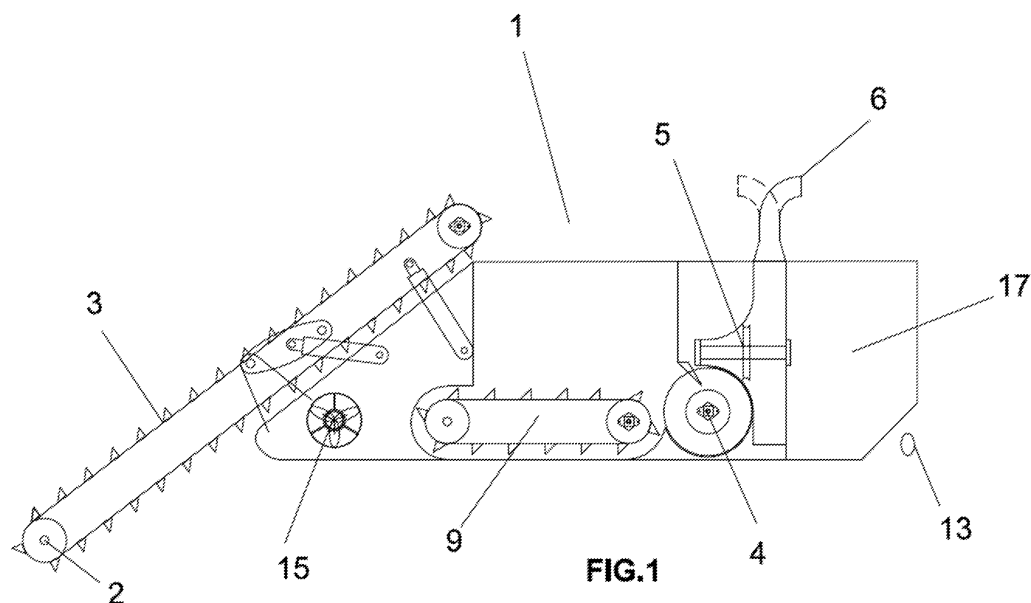
ATEBA AUTOMATISIEREN TECHNIK BAUEN FUER GEWERBE & INDUSTRIE

Family 37/100 - FAMPAT - ©Questel

Title

(WO2018234601)

Vessel for cleaning waste in shallow waters

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

WO2018/234601	A1	2018-12-27	WO2018234601
ES1187084	Y	2017-09-28	ES1187084Y



ES1187084

U 2017-07-07 ES1187084U

Abstract

(WO2018/234601)

The invention relates to a vessel (1) for servicing shallow canals, lakes and rivers, which is designed to extract, cut, crush and project plant debris and solid waste or to harvest agricultural crops and to convey the harvested crops to the shore. The vessel comprises a **belt** extractor (3) arranged to extract plant debris deposited on a horizontal **conveyor belt** (9) for conveying same to a crushing mill (4), as well as comprising, at least, a drive turbine (5) and an orientable funnel (6).

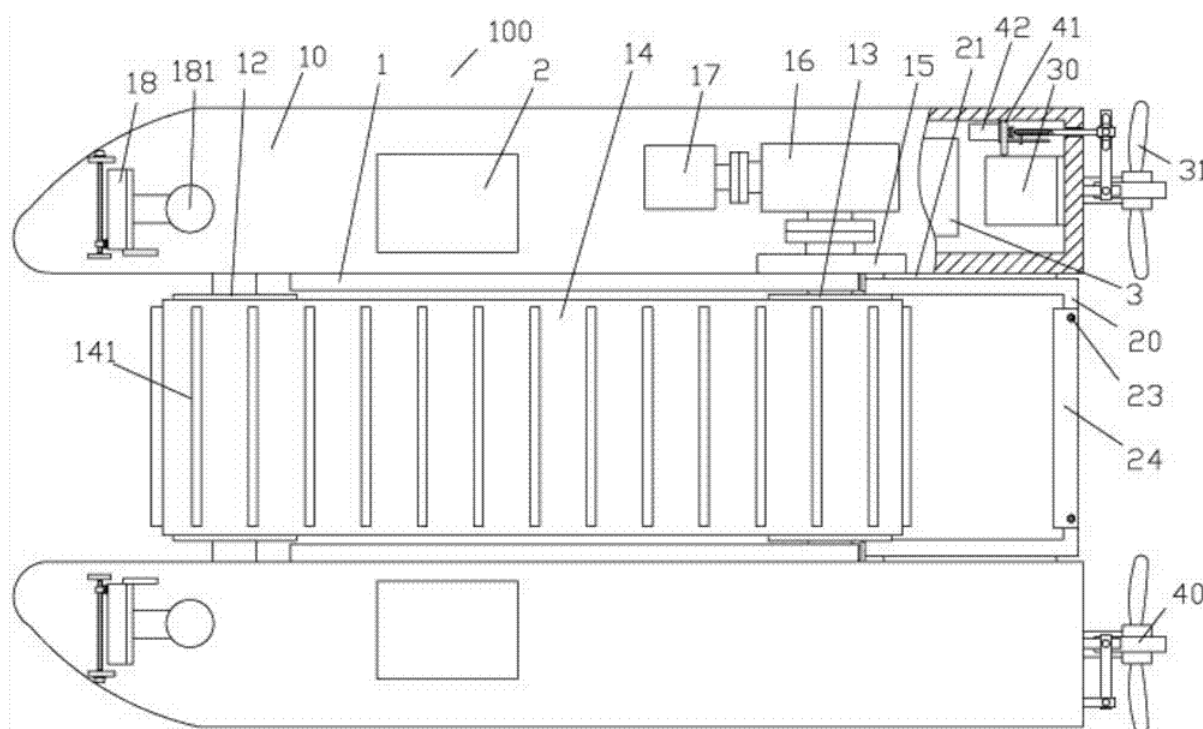
Inventors

VILLALBA HERNÁNDEZ MANUEL

Family 38/100 - FAMPAT - ©Questel

Title

(CN108275245)

Intelligent remote control refuse collection **boat****Images****Publication numbers with kind code & date**

CN108275245

A 2018-07-13 CN108275245

**Abstract**

(CN108275245)

The invention discloses an intelligent remote control refuse collection **boat** which comprises a double **boat** body. The double **boat** body is composed of two single **boat** bodies. A connecting beam is arranged on the lower side of the space between the two single **boat** bodies. The two ends of the connecting beam are fixed to the side walls of the corresponding single **boat** bodies. A transmission roller is arranged on the lower side of the front portion of the double **boat** body. A driving roller is arranged on the lower side of the rear portion of the double **boat** body. A conveying **belt** is tensioned on the transmission roller and the driving roller. The two ends of a central rotating shaft of the transmission roller are hinged to the inner side walls of the two single **boat** bodies. The two ends of a central rotating shaft of the driving roller are hinged to supporting plates fixed to the top faces of the two single **boat** bodies. One end of the central rotating shaft of the driving roller extends out of the corresponding supporting **plate** and is connected with an output shaft of a speed reducer through a coupler. An input shaft of the speed reducer is connected with an output shaft of a lifting motor through a coupler. The speed reducer and the lifting motor are both fixed to the top faces of the single **boat** bodies. The refuse collection **boat** can be remotely controlled for solar charging, automatically operates and collects refuse, and is good in effect.

Inventors

LÜ RENLIANG

LÜ XUAN

LIU XIANTING

LIU YOUNG

LIANG HONGBIN

Latest standardized assignees - inventors removed

XINCHANG KAIXIANG ELECTROMECHANICAL

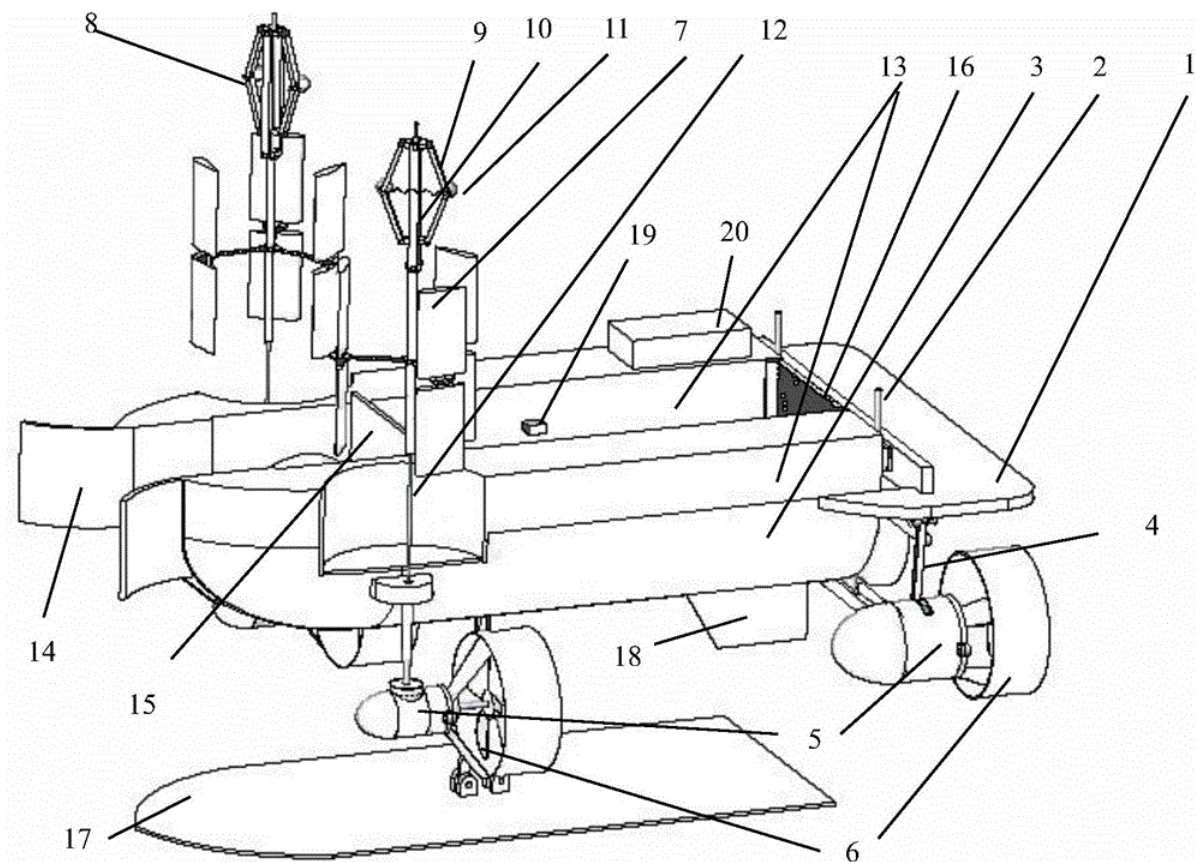
Family 39/100 - FAMPAT - ©Questel

Title

(CN105235847)

Intelligent water surface garbage collection **boat** based on wave energy and wind energy

Images



Publication numbers with kind code & date

CN105235847 B 2017-05-10 CN105235847B

CN105235847 A 2016-01-13 CN105235847



Abstract

(CN105235847)

The invention discloses an intelligent water surface garbage collection **boat** based on wave energy and wind energy. The intelligent water surface garbage collection **boat** comprises a **boat** body assembly, a wave energy using device, a wind energy using device and a garbage collection device; the **boat** body assembly comprises a **boat** body and a stabilization **plate** installed at the bottom of the **boat** body, and a garbage bin is arranged on the **boat** body; the wave energy using device comprises a floating **plate**, a transmission gear and a propeller, the floating **plate** is installed at the tail of the **boat** body and connected with the transmission gear, and the transmission gear can drive the propeller to rotate; the wind energy using device comprises a wind turbine, a transmission gear and a propeller, and a vertical axis wind turbine rotates under the wind effect and sequentially drives the transmission gear and the propeller to rotate; and the garbage collection device comprises a flow guide **plate**, a one-way baffle and a garbage intercepting net, the flow guide **plate** and the garbage

intercepting net are arranged at the head and the tail of the **boat** body, and the one-way baffle is arranged between the flow guide **plate** and the garbage intercepting net. By means of the intelligent water surface garbage collection **boat**, the wave energy and the wind energy serve as driving power of the **boat** body, unmanned operation of garbage collection is achieved, and the intelligent water surface garbage collection **boat** has the beneficial effects of being low in energy consumption, clean, free of pollution and the like.

Inventors

LI JIANLAN

ZHANG XURAN

SUN WEI

WU ZHIYI

LIANG ZHUN

LI ZIJUN

FAN DONGQI

WU JUNXIONG

Latest standardized assignees - inventors removed

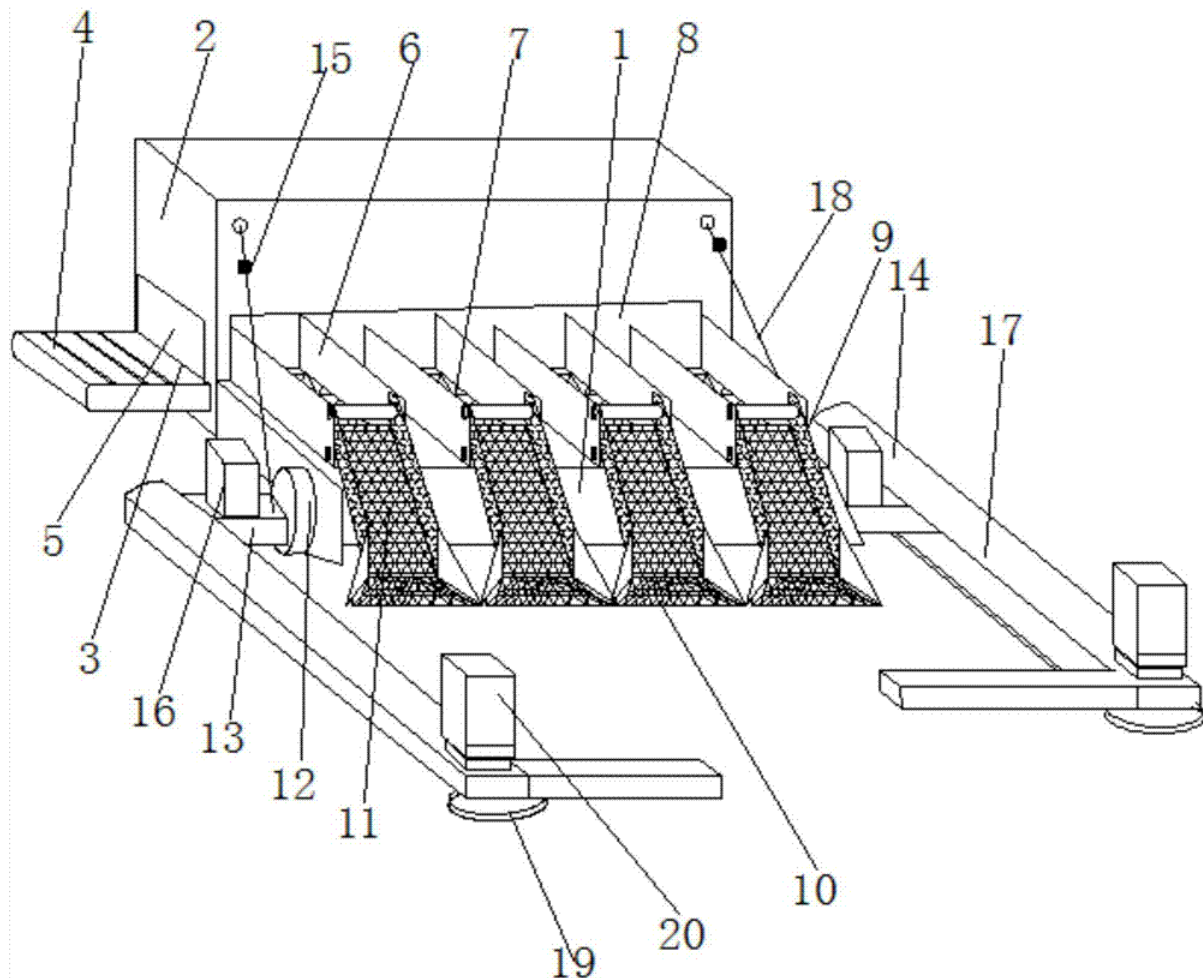
HUAZHONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Family 40/100 - FAMPAT - ©Questel

Title

(CN208470079U)

Automatic ship of keeping a public place clean

Images**Publication numbers with kind code & date**[CN208470079](#)

U 2019-02-05 CN208470079U

**Abstract**

(CN208470079)

The utility model discloses an automatic ship of keeping a public place clean, hull including self -driven, ship rear is provided with rubbish collecting storage facility, rubbish collecting storage facility avris is provided with the blown down tank, rubbish collecting storage facility installs exit **conveyor** in the bottom, exit **conveyor** inlays out the blown down tank, blown down tank department articulates there is the apron, one row of transition feed bin is installed to the hull top surface, transition conveyer **belt** is installed to the inboard bottom surface of transition feed bin, transition conveyer **belt** afterbody activity embedding rubbish collecting storage facility, rubbish collecting storage facility locates to be provided with the feed inlet in transition conveyer **belt**, the **articulated** material feed bin of carrying in transition feed bin front end upper portion, the utility model discloses an automatic ship of keeping a public place clean adopts the current river surface conveyer **belt** of exit **conveyor** cooperation, can send river course rubbish to the river surface conveyer **belt** to transport rubbish through the transport vehicle.

Inventors

GUO ZHIPING

XU HAIFENG

LIU HONGBO

YANG HONG

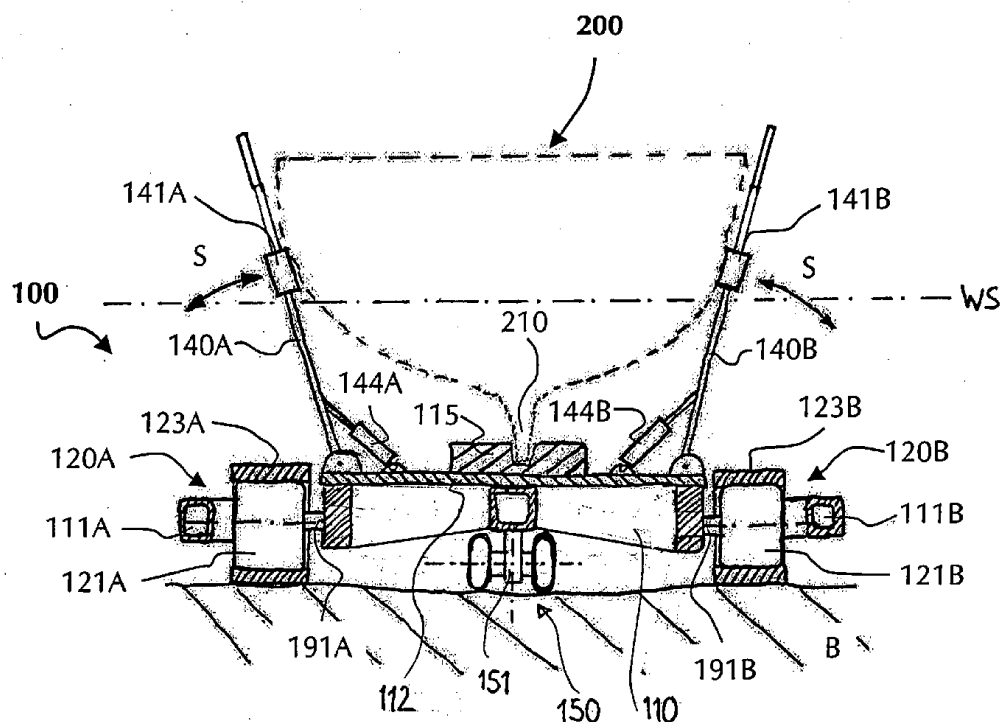
Latest standardized assignees - inventors removed

ZHANGJIAGANG KANGYUAN MACHINERY

Family 41/100 - FAMPAT - ©Questel

Title

(EP2402210)

Self-propelled **boat** transporter**Images****Fig. 2****Publication numbers with kind code & date**

EP2402210

A3 2013-08-21

EP2402210

DE102010025666

A1 2012-01-05

DE102010025666



[EP2402210](#)

A2 2012-01-04 EP2402210

Abstract

(EP2402210)

The transporter (100) has vertically tiltable front lateral supports (140A, 140B) for lateral fixing of a **boat** (200). The supports are pair-wise arranged at a support frame (110) in an opposite-lying manner such that the supports are hydraulically pair-wise tiltable in a vertical plane. The supports are expandable or lockable for accommodating and placing the **boat** in the vertical plane. The supports are elongated such that free ends of the supports project over a water plane (WS) if the transporter is provided for carrying or placing the **boat** in water.

Inventors

PILS FRANZ

Family 42/100 - FAMPAT - ©Questel

Title

(FR2147571)

Chargeur pour four de diffusion.

Images

[FR2147571](#)

A5 1973-03-09 FR2147571

[DE2237047](#)

A1 1973-02-08 DE2237047

**Abstract**

(FR2147571)

A furnace-loading mechanism for use with a diffusion furnace, the components thereof facilitating the entry and withdrawal of a wafer-bearing quartz **boat** member relative to a furnace through an **articulated** chain link construction which is capable of storage in a horizontal plane on the loader.

(From US3719291 A)

Inventors

REDAN, JOSEPH, PARSIPPANY, N.J. (V.ST.A.)

Latest standardized assignees - inventors removed

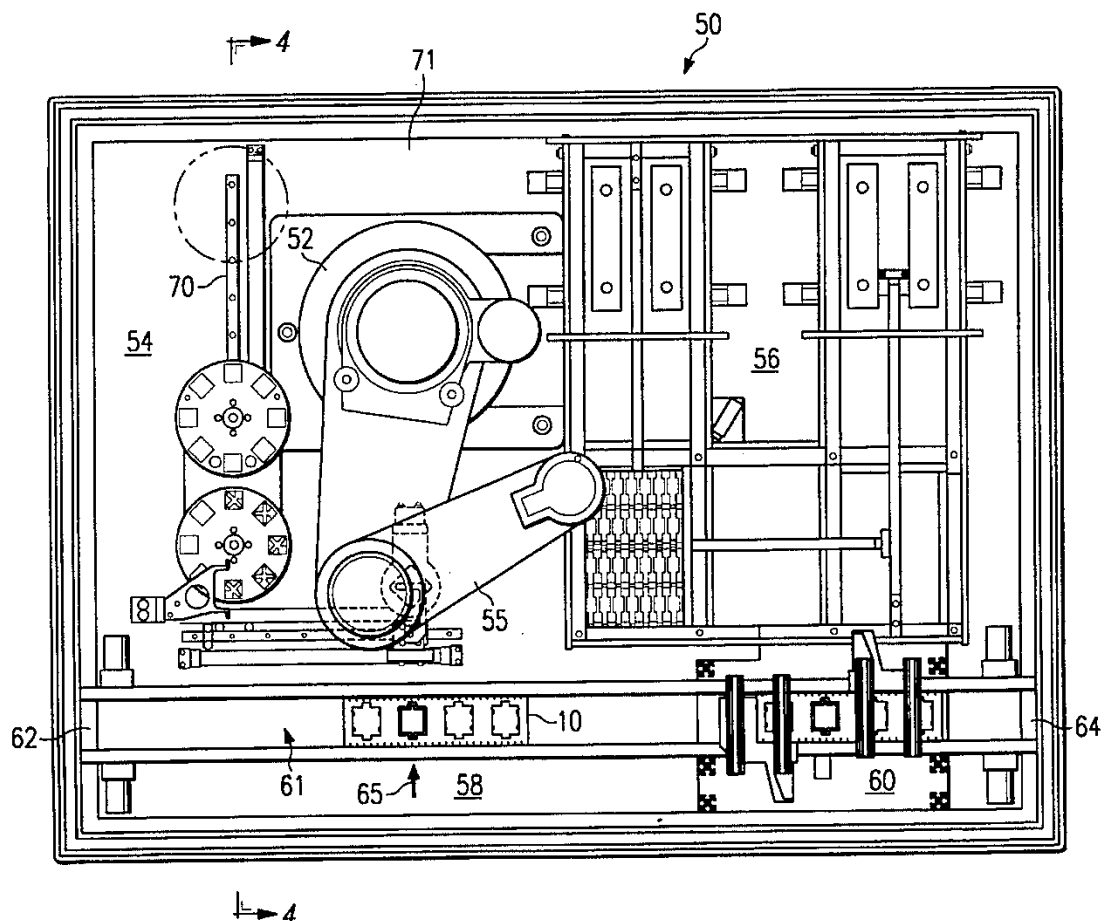
SIMMONDS PRECISION PRODUCTS

Family 43/100 - FAMPAT - ©Questel

Title

(WO9426461)

Method and apparatus for automatically placing lids on component packages

Images**Publication numbers with kind code & date**[JPH09503164](#)

A 1997-03-31 JP09503164

[KR967002785](#)

A 1996-05-23 KR19967002785

[US5507085](#)

A 1996-04-16 US5507085

[WO94/26461](#)

A1 1994-11-24 WO9426461

**Abstract**

(WO94/26461)

Apparatus (50) for automatically placing a lid on a component package (10) and then securing the lid with a clip (26). The apparatus includes a programmable robot arm (52) having a gripping assembly, an inspection station (55), a first **conveyor** for conveying a **boat** (14) along a path between a first position and a second position, a pick arm for removing a first lid from a lid feeder station (54), a second **conveyor** for reciprocating the pick arm between first and second positions to thereby transfer the first lid from the lid feeder station (54) to the inspection station (55), and a camera located at the inspection station (55) for inspecting the first lid. The apparatus (50) further includes a rotary actuator arm and a mechanism for reciprocating the rotary actuator arm into contact with a first lid bottom surface following inspection of the first lid and for releasing the pick arm.

Inventors

EASTON KEITH MICHAEL

KENTZLER CEDRIC

SIMPSON RICHARD W JR

Latest standardized assignees - inventors removed

CYBEX TECHNOLOGIES

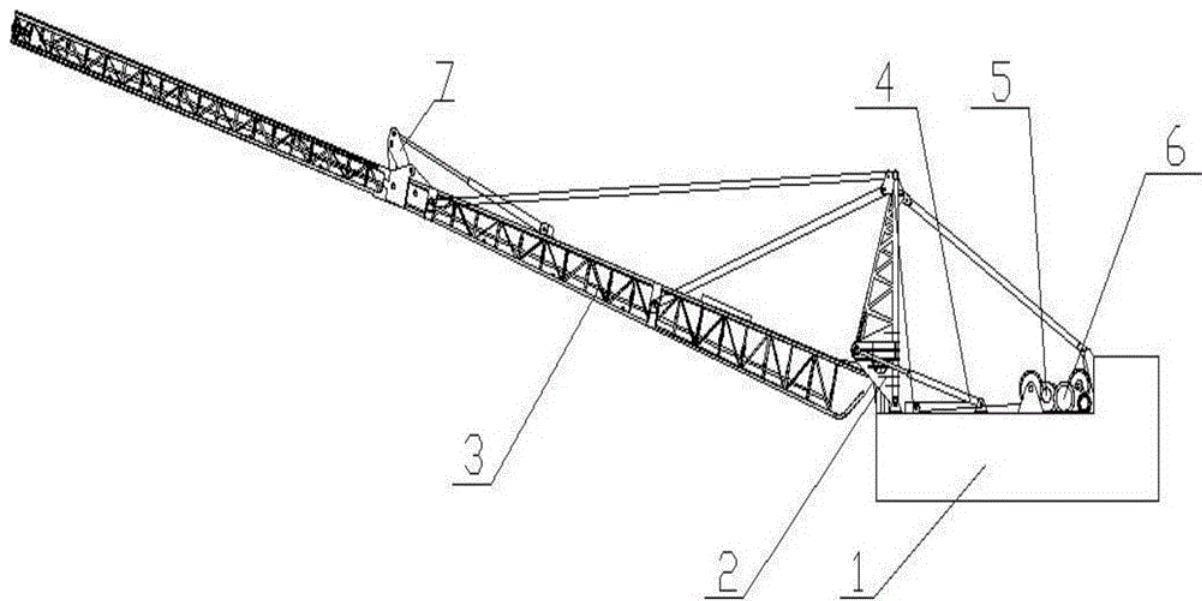
Family 44/100 - FAMPAT - ©Questel

Title

(CN104355056)

Gantry type **conveyor**

Images



Publication numbers with kind code & date

CN104355056	B	2016-09-14	CN104355056B
CN104355056	A	2015-02-18	CN104355056



Abstract

(CN104355056)

The invention relates to a gantry type **conveyor**, comprising a base, a gantry, a conveyance arm, a hydraulic cylinder and a retractable winch. The gantry and the conveyance arm are arranged on the base, and the retractable winch is connected with the conveyance arm through the gantry and a steel rope. The gantry type **conveyor** is characterized in that two ends of the hydraulic cylinder are respectively **articulated** with the base and the gantry, and the gantry is **articulated** with the base. The gantry type **conveyor** has the characteristics that the conveyance arm is foldable, the influence on the balance performance of a ship body is small when the conveyance arm is folded, and the occupied space is small after the conveyance arm is folded; meanwhile, the conveyance arm can regulate the conveyance angle by using the winch so that the height of a discharging opening can be randomly regulated as required, the work is stable, the safety factor is high, and a supporting roller is easy to change.

Inventors

YIN LAIRONG

HUANG JUAN

XIONG GULIANG

HU LIN

LIU XIN

ZHANG ZHIYONG

Latest standardized assignees - inventors removed

CHANGSHA UNIVERSITY OF SCIENCE & TECHNOLOGY

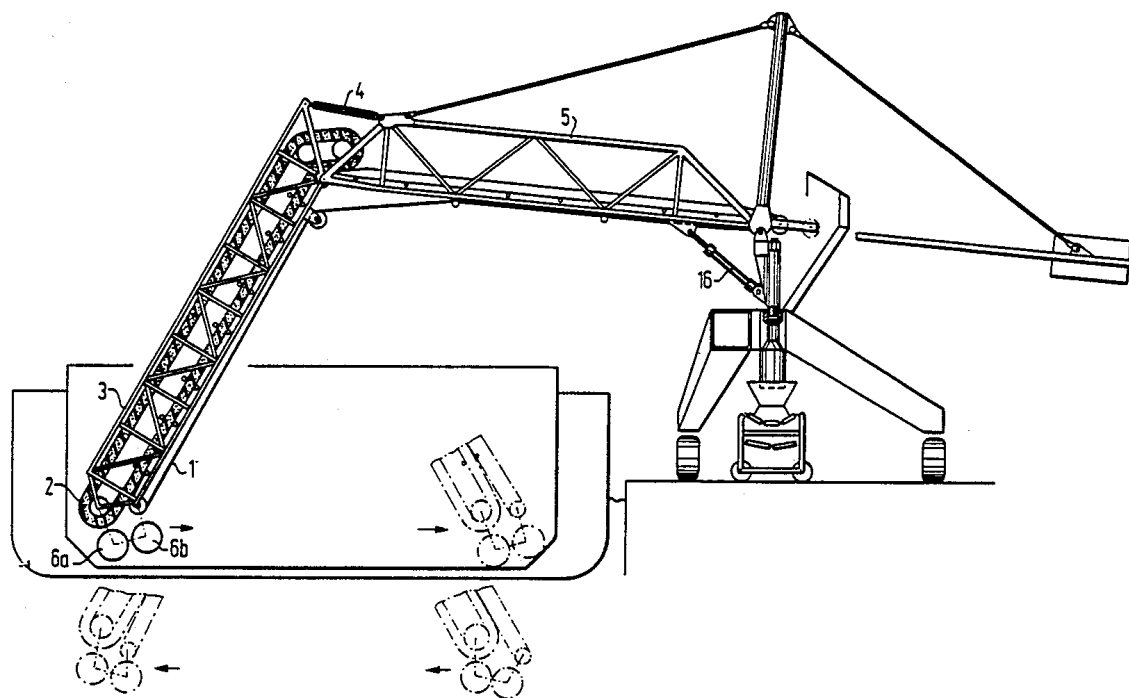
Family 45/100 - FAMPAT - ©Questel

Title

(US4907932)

Continuous bulk material conveyer

Images



Publication numbers with kind code & date

CN1013568	B	1991-08-21	CN1013568B
US4907932	A	1990-03-13	US4907932
BE1001566	A4	1989-12-05	BE1001566
DE3802420	C2	1989-11-16	DE3802420
CN1036741	A	1989-11-01	CN1036741
ZA8900657	B	1989-10-25	ZA8900657
NL8900148	A	1989-08-16	NL8900148
DE3802420	A1	1989-08-10	DE3802420
FR2626561	A1	1989-08-04	FR2626561
SE8900168	L	1989-07-29	SE8900168
SE8900168	D0	1989-01-18	SE8900168



Abstract

(US4907932)

A movable continuous bulk material conveyor, especially for unloading ships. A steep-rise conveyor is provided that comprises a conveyor belt and a cover belt. The bulk material is thrown by two casting reels into the lower gap between the

conveyor belt and the cover **belt**. Since during the meander-like removal of material from the hold of a ship, the position of the casting reels and the steep-rise **conveyor** relative to one another constantly changes, the shafts of the casting reels are pivotably connected via a quadrilateral articulation with the lower guide pulleys of the steep-rise **conveyor**, and are controlled by hydraulic pistons from a computer in such a way that the casting reels always pick up a constant stream of bulk material and throw this material in the direction of the angle bisector of the gap of the steep-rise **conveyor**.

Inventors

GRATHOFF HARTMUT

Latest standardized assignees - inventors removed

MAN GUTEHOFFNUNGSHUTTE BAHNHOFSTR 66 D 4200 OBERHAUSEN FEDERAL REPUBLIC OF GERMANY

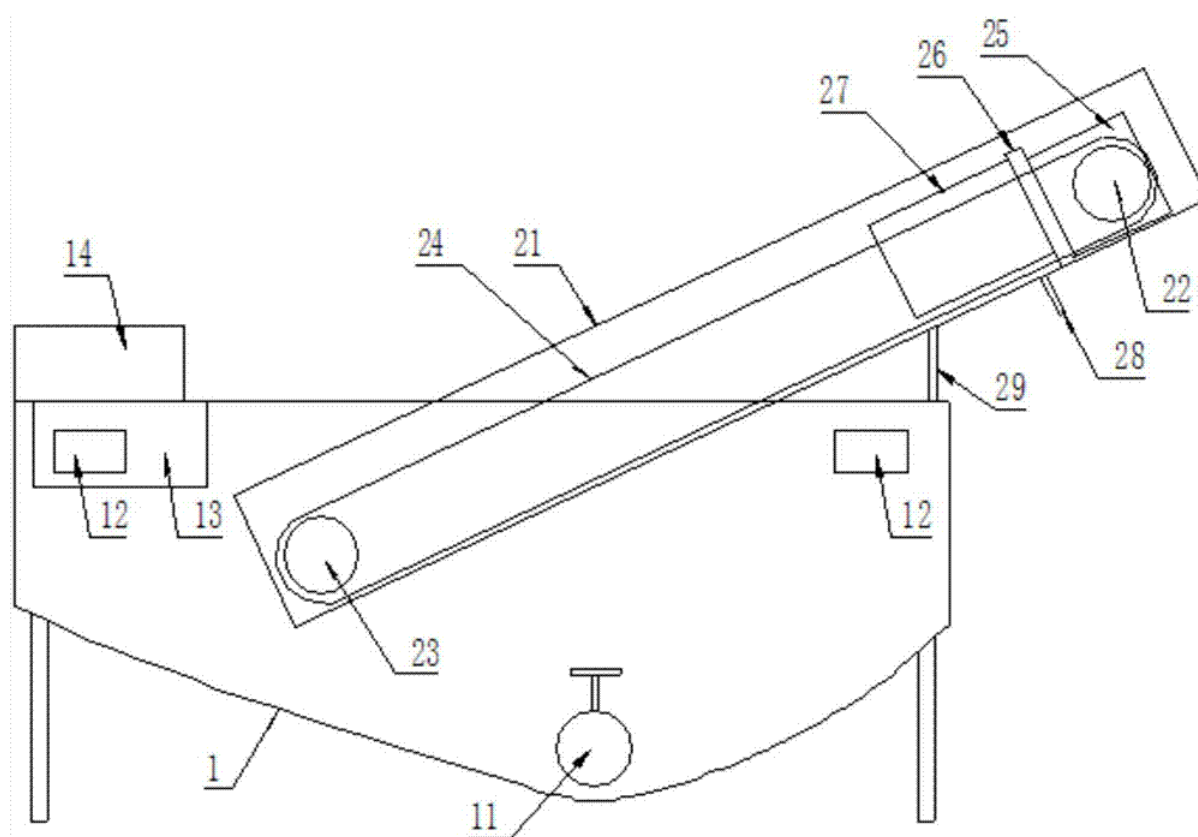
Family 46/100 - FAMPAT - ©Questel

Title

(CN206354384U)

Wash cooling conveying peeling apparatus to bean sprouts

Images



Publication numbers with kind code & date

CN206354384 U 2017-07-28 CN206354384U



Abstract

(CN206354384)

The utility model provides a wash cooling conveying peeling apparatus to bean sprouts, washes cooling tank's corner sets stabilizer blade, sets up the drain valve below the lateral wall of washing cooling tank one side, the front and back end of lateral wall top respectively sets up the outlet, two curb **plate** tilting fixed set up on the inner wall of both sides in washing cooling tank, set up initiative pivot and driven spindle between the both ends of two blocks of curb plates respectively, set up the conveyor **belt** between the periphery of initiative pivot and driven spindle, the one end device control ware of initiative pivot, the motor is **articulated** with the controller, the motor passes through that the motor fixed **plate** is fixed to be set up on the curb **plate**, correspond the dermal **plate** that scrapes that the setting of conveyor **belt** lower surface is on a parallel with the initiative pivot between two curb **plate** tops, realized to make peeling and gone on simultaneously with the cooling, effectively cool down to the tall scrawny person, effectual guarantee tall scrawny person's quality, low in manufacturing cost is honest and clean, easy operation is convenient, get rid of bean sprouts skin effect ideal, the

efficiency of production is improved, the water conservation economize on electricity, manpower and materials cost is reduced.

Inventors

LIU YUWEI

WANG XIAOWEI

WANG DONGXI

ZHENG JINSHENG

Latest standardized assignees - inventors removed

LUOYANG NEW VILLAGE VEGETABLE FOOD

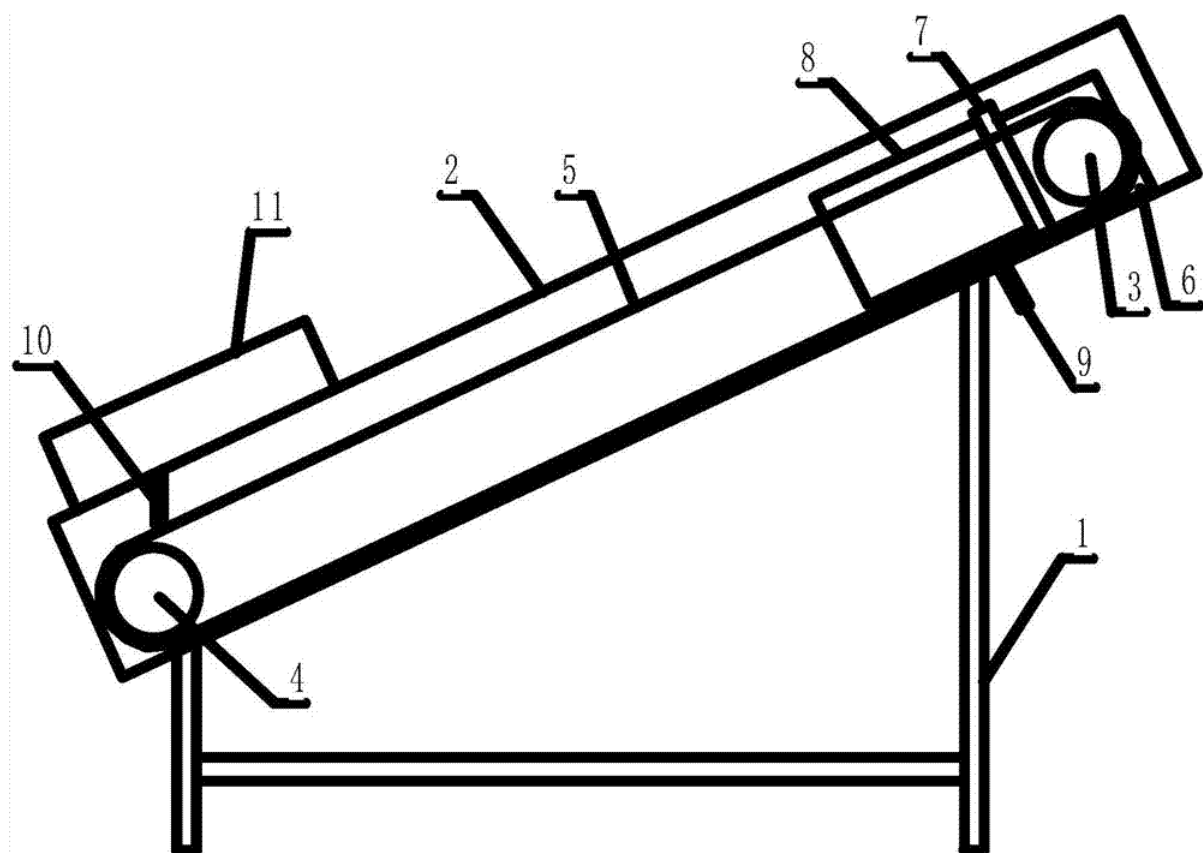
Family 47/100 - FAMPAT - ©Questel

Title

(CN206354375U)

To bean sprouts secondary peeling apparatus

Images



Publication numbers with kind code & date

CN206354375 U 2017-07-28 CN206354375U



Abstract

(CN206354375)

The utility model provides a to bean sprouts secondary peeling apparatus, be by: support, curb plate, initiative pivot, driven spindle, conveyer belt, controller, motor fixed plate, motor, scrape dermal plate, backplate, increase the baffle and constitute, the both sides slope of support top sets up the curb plate, set up initiative pivot and driven spindle between the both ends of two blocks of curb plates respectively, set up the conveyer belt between the periphery of initiative pivot and driven spindle, the one end device control ware of initiative pivot, the motor is articulated with the controller, the motor passes through that the motor fixed plate is fixed to be set up on the curb plate, correspond the dermal plate that scrapes that the setting of conveyer belt lower surface is on a parallel with the initiative pivot between two curb plate tops, the top of driven spindle sets up the backplate that is on a parallel with the driven spindle between two blocks of curb plates, the net weight separation that can improve the tall scrawny person is resolute, and structural design is reasonable, and power

consumption is little, has improved production efficiency, the water conservation economize on electricity, and it is little to consume energy, has reduced the manpower and materials cost.

Inventors

LIU YUWEI

WANG XIAOWEI

WANG DONGXI

ZHENG JINSHENG

Latest standardized assignees - inventors removed

LUOYANG NEW VILLAGE VEGETABLE FOOD

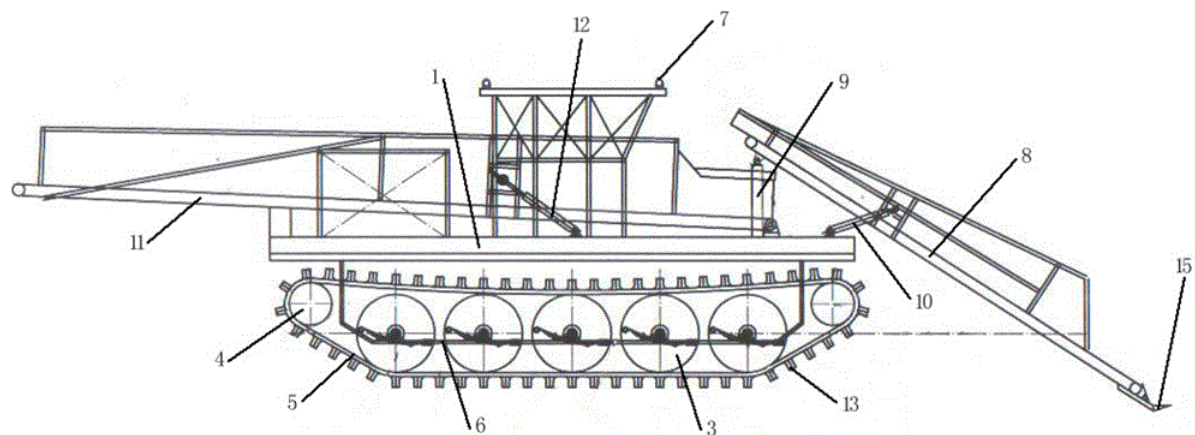
Family 48/100 - FAMPAT - ©Questel

Title

(CN105815031)

Amphibious aquatic plant harvesting **boat**

Images



Publication numbers with kind code & date

[CN105815031](#) A 2016-08-03 CN105815031



Abstract

(CN105815031)

The invention discloses an amphibious aquatic plant harvesting **boat**, which comprises a floating body and running gears, wherein the running gears are arranged on two sides of the floating body; each running gear comprises a spring **plate** which is arranged on the side part of the floating body; a hollow bearing riding wheel group is arranged on each spring **plate**; chain wheels are arranged at two ends of each hollow bearing riding wheel group; and rubber **belt** tracks sleeve the peripheries of the hollow bearing riding wheel groups and the chain wheels. The hollow bearing riding wheel groups are arranged on the spring plates respectively and freely act up and down along with the weight change when walking in bumpy wetland to reach the quakeproof effect. The amphibious aquatic plant harvesting **boat** is simple in structure, reasonable in design and convenient to operate; the running gears are arranged at two sides of the floating body for boats for walking in an intertidal zone and shallow water and on land; and the amphibious aquatic plant harvesting **boat** adapts to ponds, swamps, wetland and lake beaches for aquatic plant collection of water plants, alternanthera philoxeroides, reed grass roots and the like, and can dive for navigation.

Inventors

GU FENGMING

XU JIANXIN

YAO ZHENYU

DING ZUOJUN

JIANG TIANWEI

WANG HUIXIN

LIU XINYAN

Latest standardized assignees - inventors removed

SUZHOU HONG GUAN SHIPBUILDING

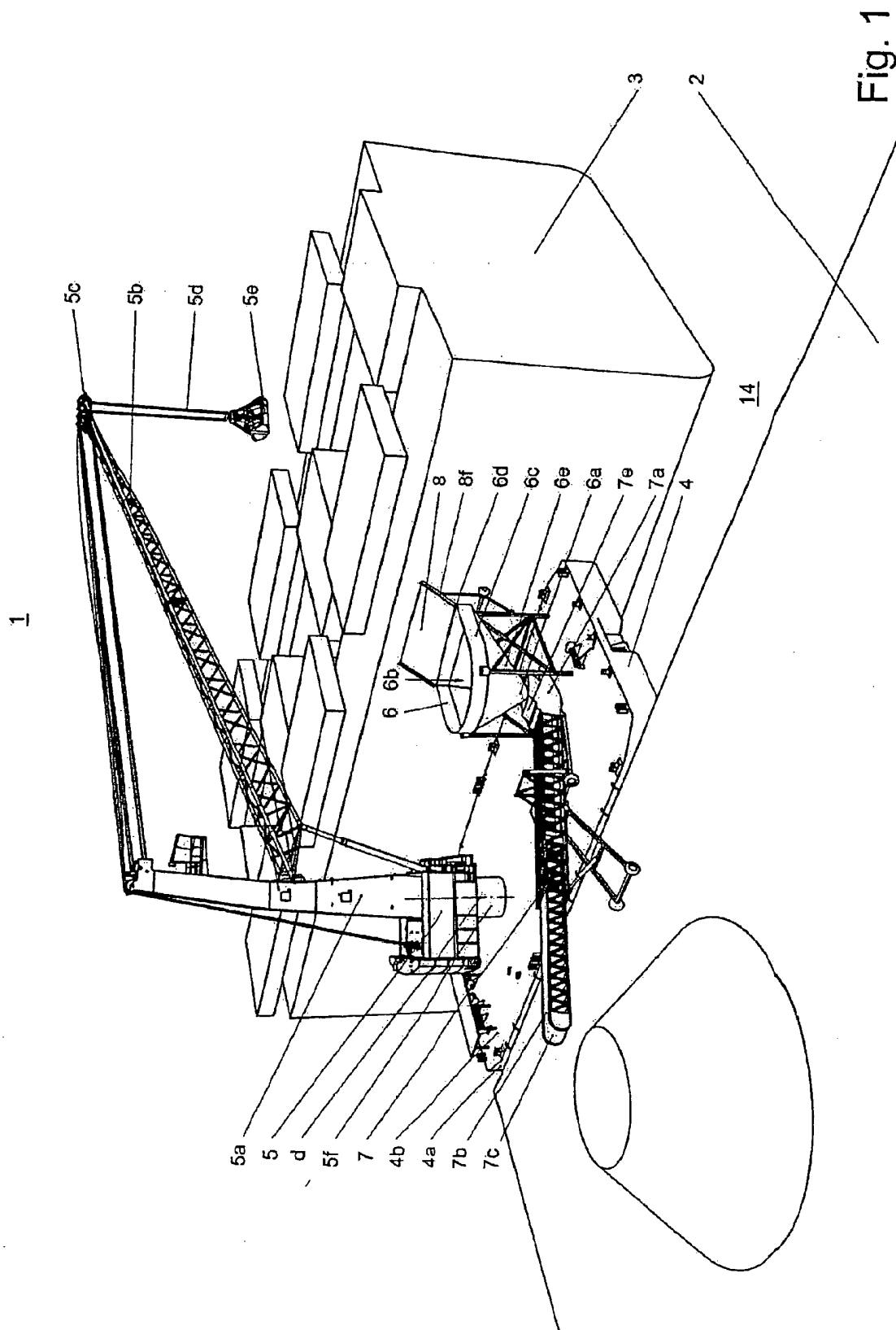
Family 49/100 - FAMPAT - ©Questel

Title

(EP2003052)

Floating reloading device for bulk material

Images



Publication numbers with kind code & date

ES2351374	T3	2011-02-03	ES2351374				
DK2003052	T3	2011-01-10	DK2003052T				
PT2003052	E	2010-12-10	PT2003052				
DE502008001289	D1	2010-10-28	DE502008001289				
AT481311	T	2010-10-15	ATE481311				
EP2003052	B1	2010-09-15	EP2003052				
DE102007027536	B4	2010-07-08	DE102007027536				
DE102007027536	A1	2008-12-18	DE102007027536				
EP2003052	A1	2008-12-17	EP2003052				

Abstract

(EP2003052)

Floating reloading device for bulk material, has crane and loading end of **conveyor belt**, which are fixed within area of longitudinal axis of floating body and are fixed at distance from each other on floating body along longitudinal axis. The floating reloading device (1) has an oblong floating body (4) with longitudinal side (4a) and has a longitudinal axis, particularly a ponton, which is arranged on a crane (5) with a bulk material gripper (5e) and a **conveyor belt** (7). The crane and the loading end (7a) of the **conveyor belt** are fixed within the area of the longitudinal axis of the floating body and are fixed at a distance from each other on the floating body along the longitudinal axis.

Inventors

FRANZEN HERMANN

WIESCHEMANN ARMIN

Latest standardized assignees - inventors removed

TEREX

Family 50/100 - FAMPAT - ©Questel

Title

(EP1043555)

Freezing and **conveyor** apparatus for nutrients**Images**

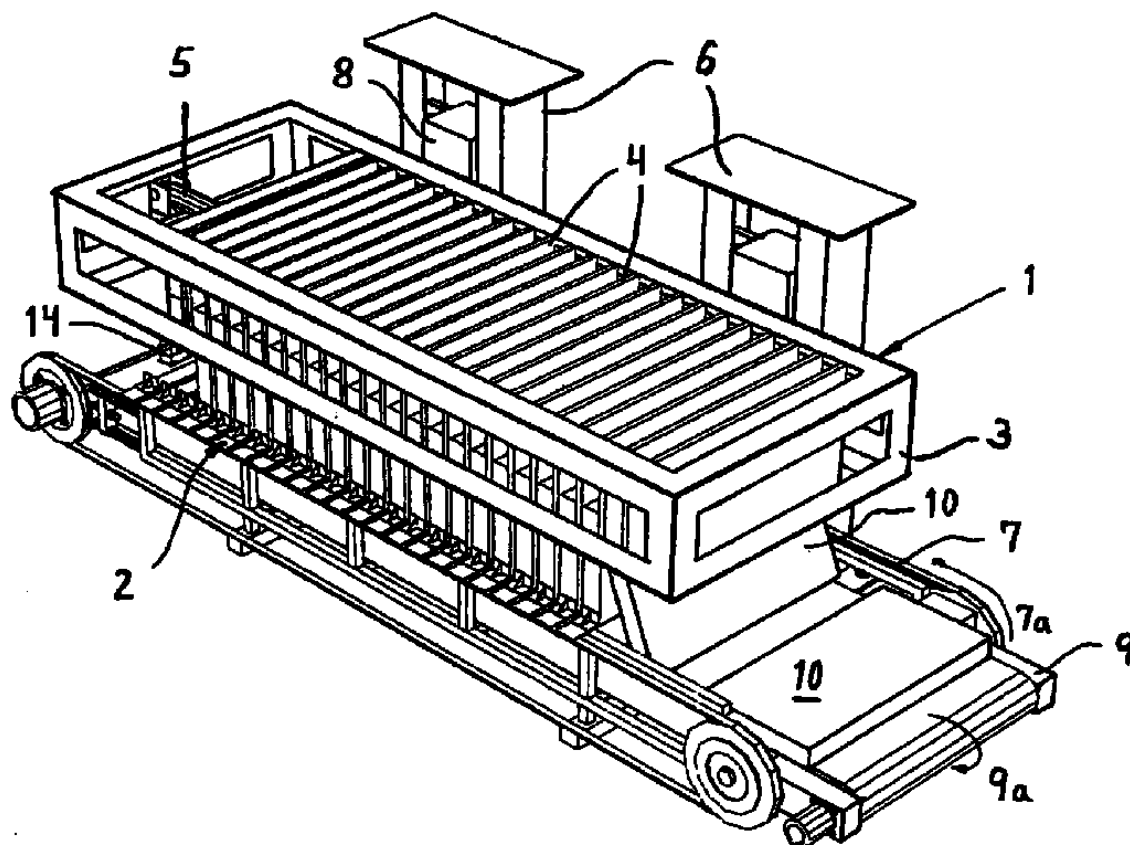


Fig.1.

Publication numbers with kind code & date

ES2209708	T3	2004-07-01	ES2209708
DK1043555	T3	2004-03-22	DK1043555T
DE60006309	D1	2003-12-11	DE60006309
AT253716	T	2003-11-15	ATE253716
EP1043555	B1	2003-11-05	EP1043555
NO308870	B1	2000-11-06	NO-308870
EP1043555	A1	2000-10-11	EP1043555
NO991623	L	2000-10-09	NO-991623
NO991623	D0	1999-04-06	NO9901623



Abstract

(EP1043555)

A freezing and conveyor apparatus adapted for automated depletion of frozen blocks (10) from a vertical plate freezer (1) is disclosed. The plate freezer (1) is, per se, of conventional construction having a number of freezing plates (4) arranged vertically adjacent each other and with a predetermined space between the freezing plates (4), which in turn are arranged in a frame structure (3) that supports the respective freezing plates (4). The apparatus has a device for automated depletion including a lower conveyor (9) for depletion of the frozen blocks (10), an above located conveyor (7) having elements (7a) forming a displaceable bottom (2) of the plate freezer (1), which during a depletion process is driven in opposite direction of the lower conveyor (9), and means for providing a predetermined distance between the frame structure (3) and the conveyors (7,9) before the depletion and driving of the conveyors (7,9) are initiated.

Inventors

STOEHLER ARVE

Family 51/100 - FAMPAT - ©Questel

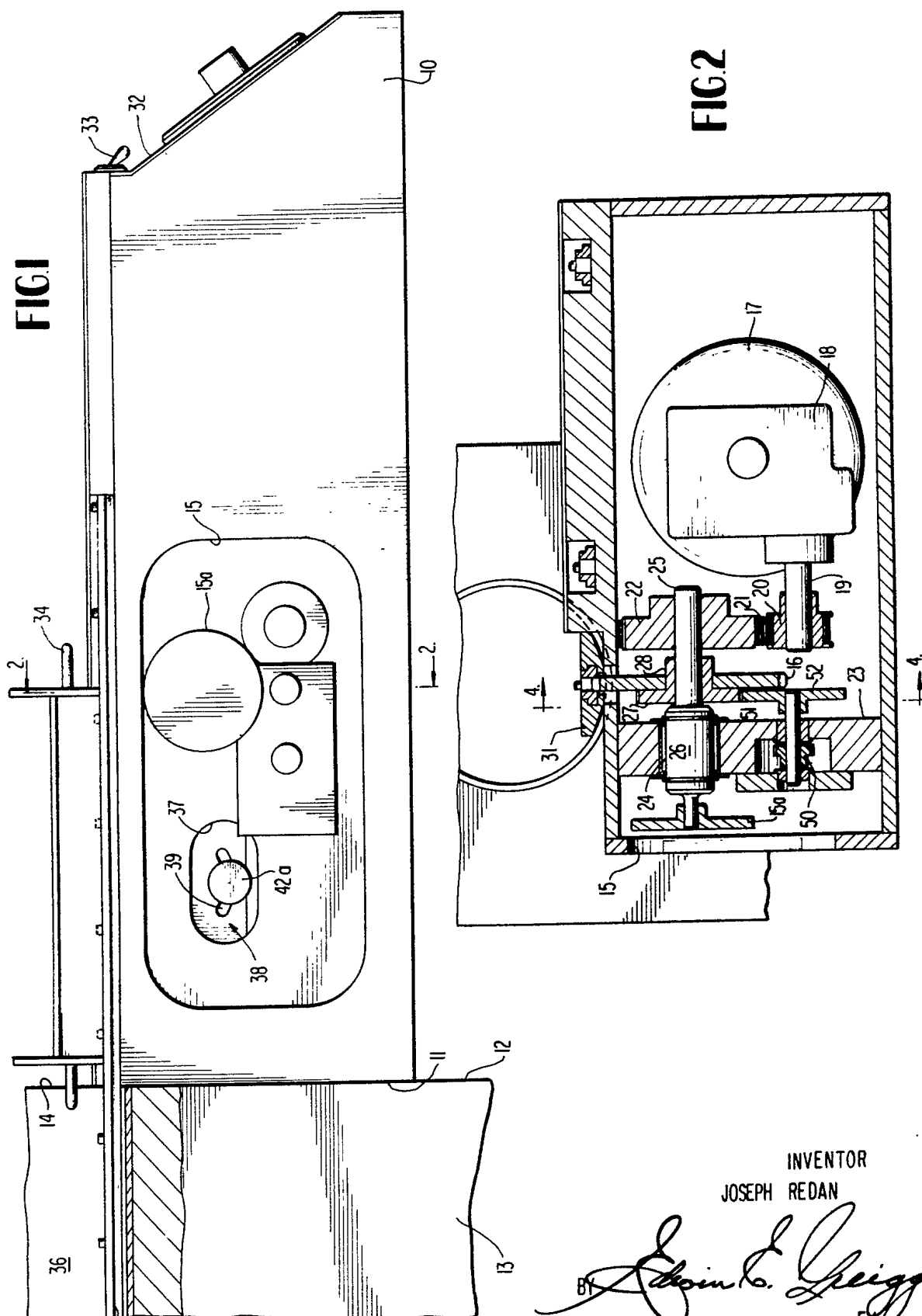
Title

(US3719291)

Diffusion furnace loader

Images

SHEET 1 OF 3



[US3719291](#)

A 1973-03-06 US3719291

Abstract

(US3719291)

A furnace-loading mechanism for use with a diffusion furnace, the components thereof facilitating the entry and withdrawal of a wafer-bearing quartz **boat** member relative to a furnace through an **articulated** chain link construction which is capable of storage in a horizontal plane on the loader.

Inventors

REDAN J

Latest standardized assignees - inventors removed

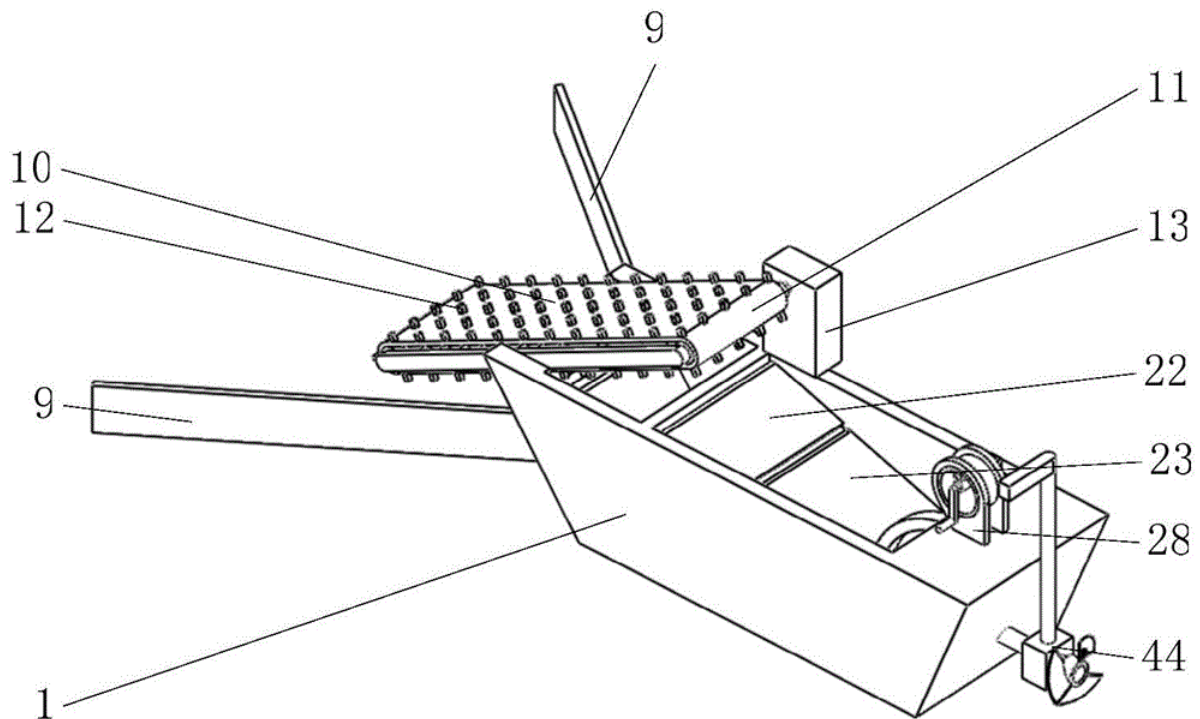
SIMMONDS PRECISION PRODUCTS

Family 52/100 - FAMPAT - ©Questel

Title

(CN109878645)

Environmental sanitation ship

Images**Publication numbers with kind code & date**[CN109878645](#)

A 2019-06-14 CN109878645

**Abstract**

(CN109878645)

The invention belongs to the technical field of environmental sanitation ships, and particularly relates to an environmental sanitation ship which comprises a ship body, a conveying mechanism provided with a conveying **belt** and the like. The conveying mechanism is obliquely installed at the front end of the ship body. A scraper mechanism in the environmental sanitation ship is matched with the **conveyor belt** so that paper scraps or floating garbage attached to the conveying **belt** can be removed and can fall into a garbage bin B; larger garbage floating on the water surface is conveyed into a garbage bin A by the conveying **belt** which is uniformly provided with a plurality of carrying blocks, and secondary classification of collected lake surface garbage is achieved. In the whole garbage salvaging process, salvaging workers do not need to consume a large amount of physical strength to complete work, the physical strength of the workers is saved, and meanwhile the operation safety of the workers is guaranteed.

Inventors

YUAN HONG

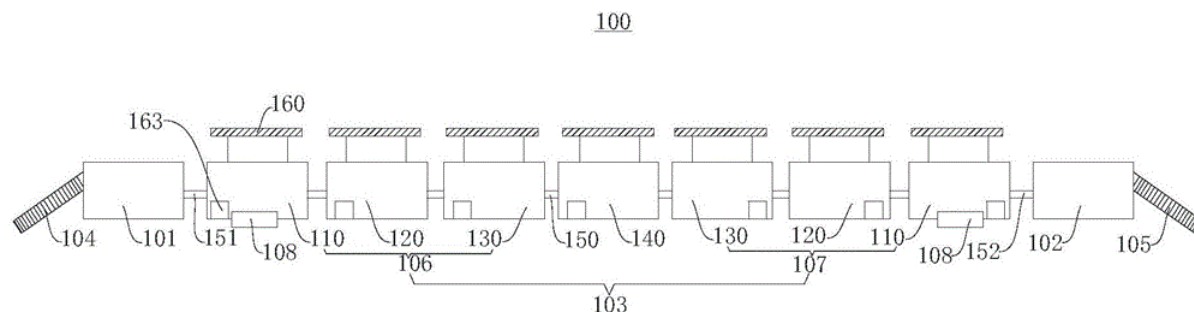
Latest standardized assignees - inventors removed

CHANGSHU GONGYI INFORMATION TECHNOLOGY

Family 53/100 - FAMPAT - ©Questel

Title

(CN106688431)

Two-head boa type environment-friendly aquatic weed cutting **boat** and aquatic weed cutting device**Images****Publication numbers with kind code & date**

CN106688431	B	2019-06-11	CN106688431B
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CN106688431	A	2017-05-24	CN106688431
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**Abstract**

(CN106688431)

The invention provides a two-head boa type environment-friendly aquatic weed cutting **boat** and an aquatic weed cutting device, and relates to water surface cleaning equipment. The aquatic weed cutting **boat** comprises a prow, a stern and a **boat** body. The two ends of the **boat** body are hinged to the prow and the stern respectively, the prow is provided with a first aquatic weed cutting mechanism, the stern is provided with a second aquatic weed cutting mechanism, the **boat** body is provided with a first aquatic weed processing mechanism, a second aquatic weed processing mechanism, a storage bin, an energy storage mechanism, a traveling mechanism and a driving mechanism, the first aquatic weed processing mechanism and the second aquatic weed processing mechanism are connected with the two sides of the storage bin, the first aquatic weed processing mechanism is communicated with the first aquatic weed cutting mechanism, and the second aquatic weed processing mechanism is communicated with the second aquatic weed cutting mechanism. By means of the aquatic weed cutting **boat**, aquatic weed can be processed while collected, and the complex operation that the **boat** repeatedly approaches to the bank and aquatic weed is repeatedly unloaded is avoided. Besides, the aquatic weed cutting device comprises the two-head boa type environment-friendly aquatic weed cutting **boat** and a conveying mechanism which are selectively connected, and the aquatic weed can be cleaned and transported efficiently by means of the device.

Inventors

YUAN TIEJUN

LI YUNPING

ZHANG XIULI

QIU YALAN

ZHANG GUANGDONG

NI ZHIMING

Latest standardized assignees - inventors removed

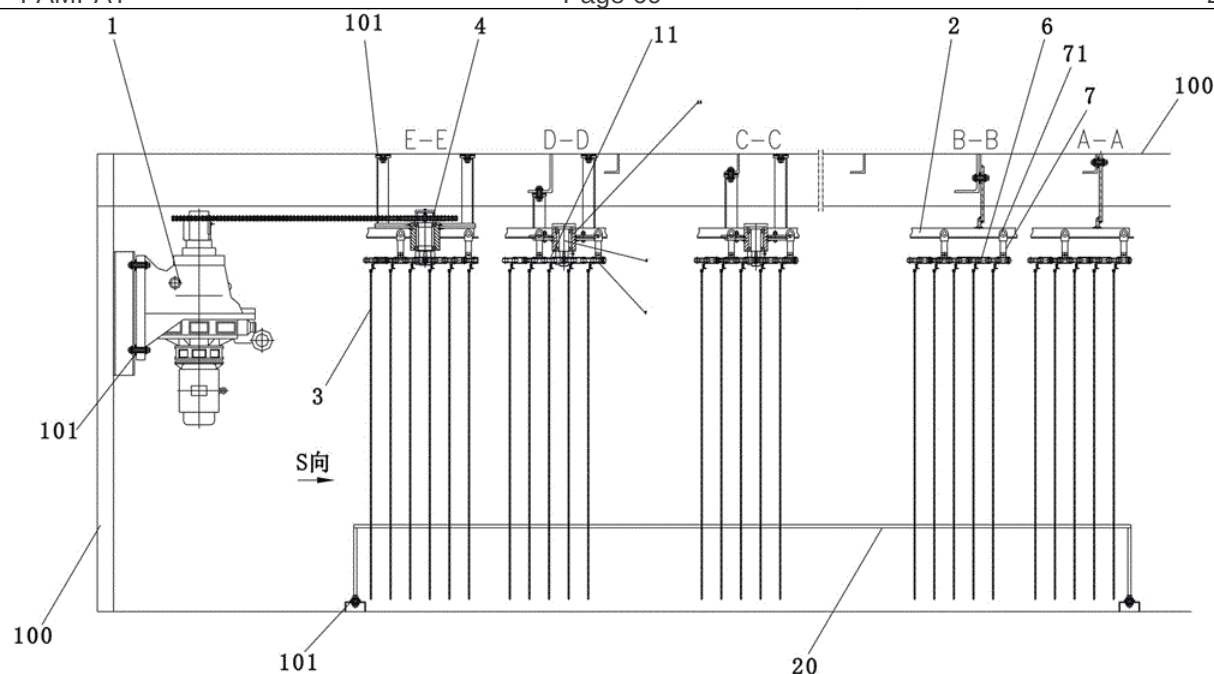
YANCHENG INSTITUTE OF TECHNOLOGY

Family 54/100 - FAMPAT - ©Questel

Title

(CN104567308)

Automatic continuous drying system of large ocean fishing **boat****Images**



Publication numbers with kind code & date

CN104567308	B	2016-09-07	CN104567308B
CN104567308	A	2015-04-29	CN104567308



Abstract

(CN104567308)

The invention discloses an automatic continuous drying system of a large ocean fishing **boat**. The automatic continuous drying system comprises a fixed bin, wherein the fixed bin is internally provided with a drying machine and a conveying device; the conveying device comprises a driver, a chain wheel, a rail and a trawl board; the driver is fixedly connected with the fixed bin; the rail is fixedly connected with the fixed bin; the chain wheel is in transmission connection with the driver; the chain wheel comprises first driving wheels and support wheels; the first driving wheels and the support wheels are respectively arranged at different positions according to spatial arrangement, and the numbers of the first driving wheels and the support wheels are set as required; the first driving wheels are in transmission connection with the support wheels by virtue of chain belts; the chain belts are fixedly provided with sliding devices; the sliding devices are movably connected with the rail and are fixedly connected with hooks; the hooks are used for hanging the trawl board. By virtue of reasonable design on the equipment structure, the special spatial structure and transporting environment of a **boat** body are met, and meanwhile, continuous and circulating drying treatment of fresh fish goods can be rapidly and uniformly realized.

Inventors

YUAN FENHUI
LI DANYU
WU BOZHOU
LIU SHENGLI

Latest standardized assignees - inventors removed

ZHOUSHAN LIYUAN MACHINERY

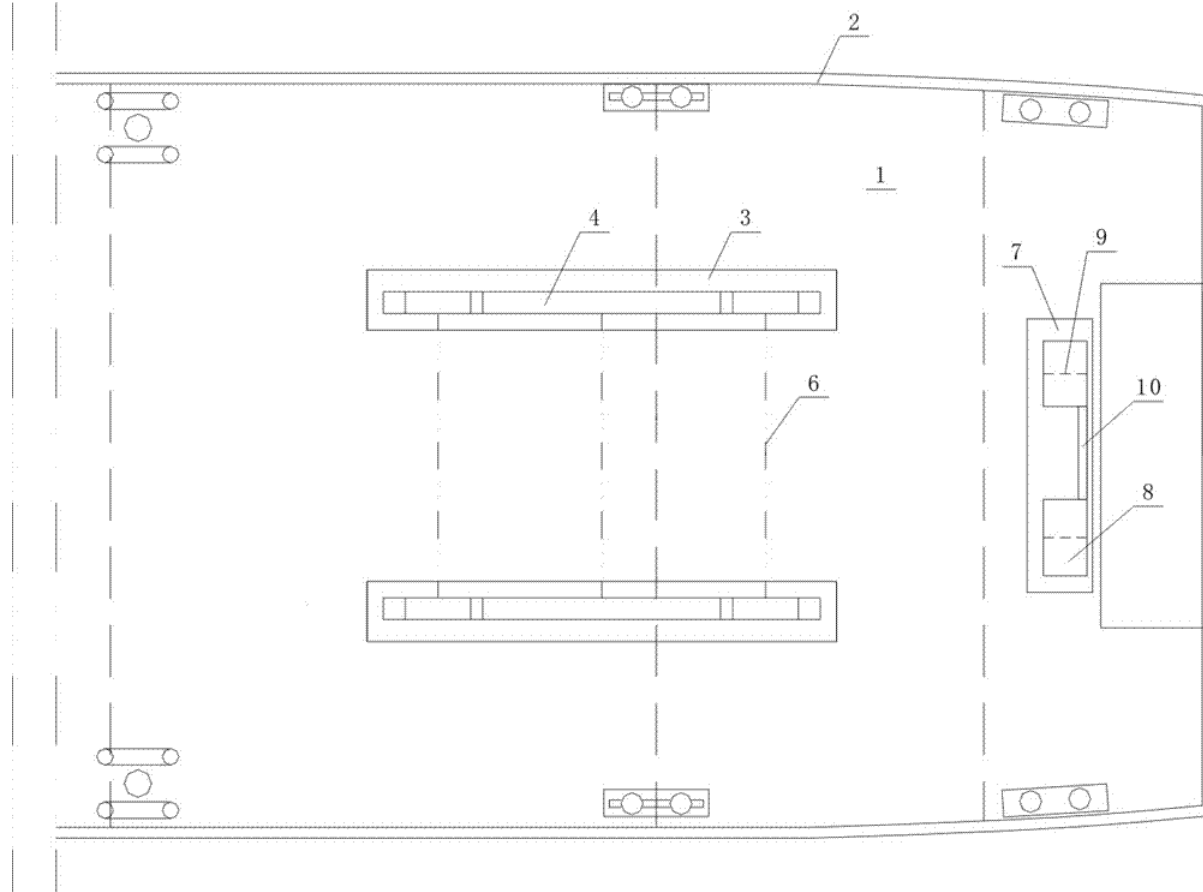
Family 55/100 - FAMPAT - ©Questel

Title

(CN208216939U)

Sand ship with gravity frame

Images



Publication numbers with kind code & date

CN208216939 U 2018-12-11 CN208216939U



Abstract

(CN208216939)

The utility model discloses a sand ship with gravity frame has bow deck, longitudinal wall (breast board), gravity frame compound plate, gravity frame, gravity frame bracket, gravity frame tie-beam, articulated seat compound plate, articulated seat base plate, articulated seat base plate bracket, articulated seat tie-beam, articulated seat, wherein, bow deck and longitudinal wall formation sandship hull part, the gravity chord position is on gravity frame compound plate, and gravity was put up gravity frame tie-beam and was connected, articulated seat base plate is located articulated seat compound plate, and articulated seat base plate is connected through articulated seat tie-beam. The utility model discloses an after the improvement, has better gravity frame for the sand ship overall structure strengthened, and the stability of structure improves, makes also that the security of sand ship is strong can to improve with economic benefits, and the power consumption reduces by a wide margin, and efficiency is showing and improves, and the operation performance is optimized comprehensively, the structural stability of increase hull, grit weight is passed through the gravity frame and is effectively distributed on hull structure, guarantees the structural strength of boats and ships.

Inventors

LI HUAMIN

Latest standardized assignees - inventors removed

LESHAN JIAYANG SHIP TECHNOLOGY SERVICE

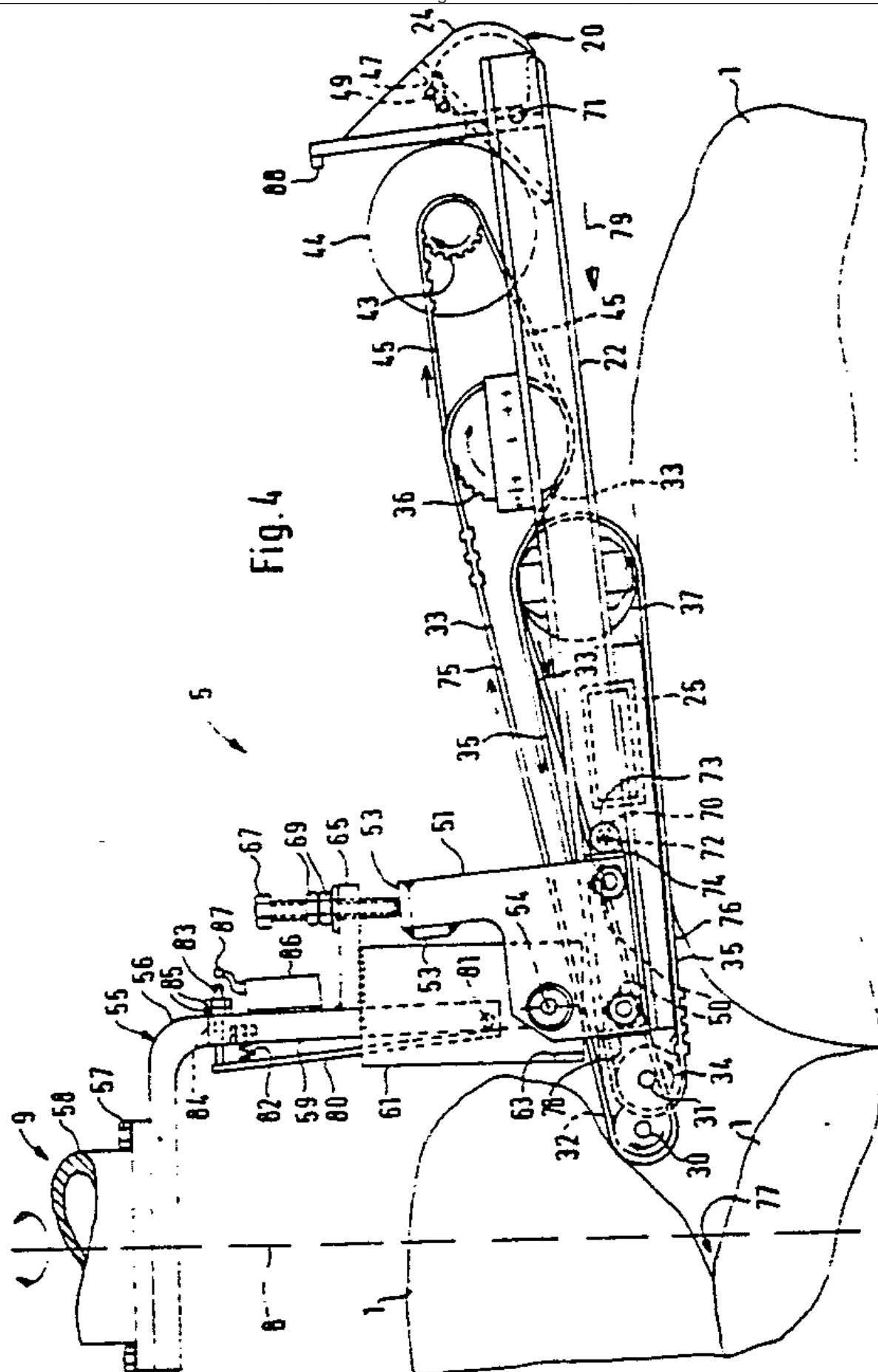
Family 56/100 - FAMPAT - ©Questel

Title

(EP-321680)

Device for removing articles

Images



Publication numbers with kind code & date

ES2018332	B3	1991-04-01	ES2018332
DE3812756	C2	1990-10-18	DE3812756
DE3860528	D1	1990-10-04	DE3860528
AT55964	T	1990-09-15	ATE055964



JP02231396	A	1990-09-13	JP02231396				
EP0321680	B1	1990-08-29	EP-321680				
DD273239	A5	1989-11-08	DD-273239				
KR890008000	A	1989-07-08	KR19890008000				
EP0321680	A1	1989-06-28	EP-321680				
DE3812756	A1	1989-06-15	DE3812756				
FI885400	A	1989-05-26	FI8805400				
FI885400	A0	1988-11-22	FI8805400				

Abstract

(EP0321680)

1. A device for picking up piece goods (1) comprising a pick-up (5; 94; 166; 188; 196; 201; 205; 222) carried by a manoeuvring device (9) and movable under an item (1) to be picked up, wherein the pick-up (5; 94; 166; 188; 196; 201; 205; 222) comprises a frame (20), wherein at least one upper conveying element (90), cooperating with the item (1) to be picked up, is movably mounted in the frame (20), wherein the at least one upper conveying element (90) defines an upper conveying surface (92), wherein also at least one lower conveying element (91), cooperating with a support under the item (1) to be picked up, is movably mounted in the frame (20), wherein the at least one lower conveying element (91) defines a lower conveying surface (93), characterised in that the at least one upper conveying element (90) and the at least one lower conveying element (91) are nested into each other at least at one end of the device facing towards the item (1) to be picked up, and that the upper conveying surface (92) extends out beyond the lower conveying surface (93) in the direction of the item (1) to be picked up.

Inventors

MAYER, ROLF, DR.-ING.

Latest standardized assignees - inventors removed

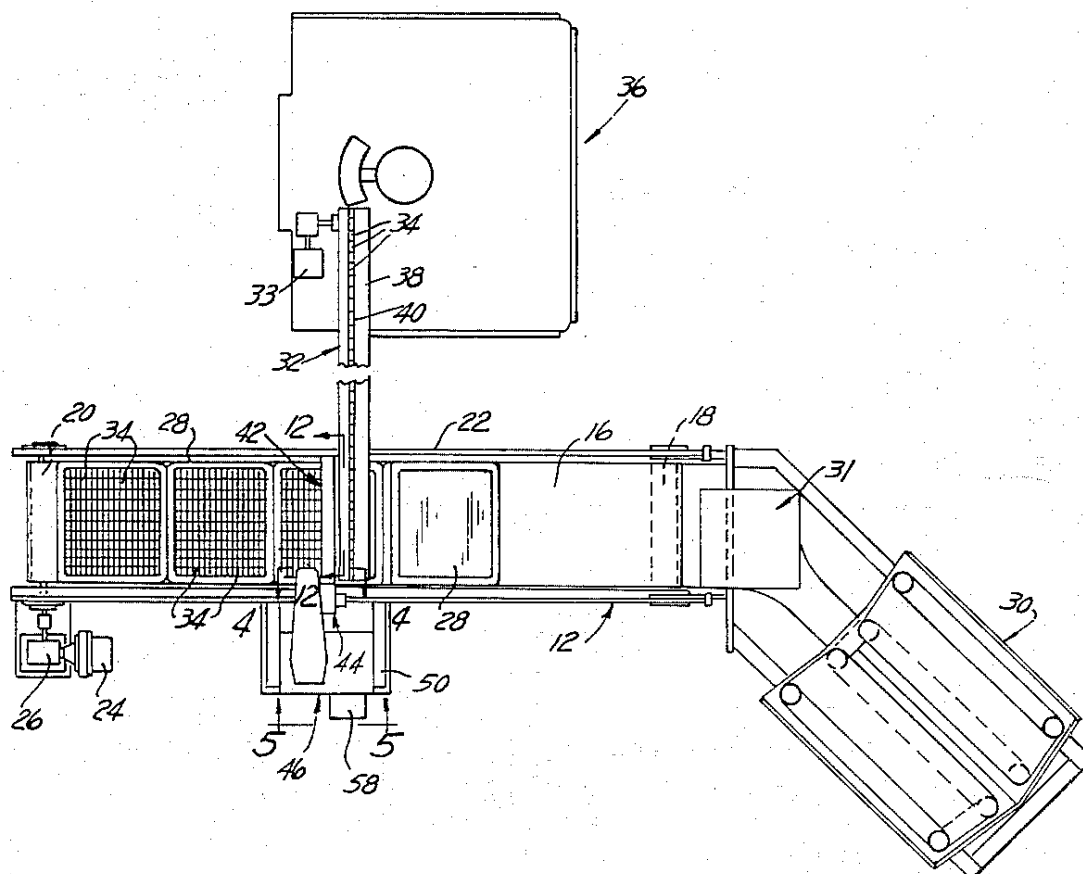
SALZGITTER MASCHINENBAU

Family 57/100 - FAMPAT - ©Questel

Title

(US4550551)

Sagger loader and **conveyor** apparatus and method**Images**



Publication numbers with kind code & date

DE3404460	C2	1996-07-04	DE3404460
JP1704960	C	1992-10-27	JP1704960
FR2540471	B1	1992-03-06	FR2540471
JPH0359358	B2	1991-09-10	JP91059358
FR2583727	B1	1991-06-21	FR2583727
FR2583726	B1	1991-03-29	FR2583726
US4722169	A	1988-02-02	US4722169
GB2171664	B	1987-11-04	GB2171664
GB2136379	B	1987-10-28	GB2136379
CA1228337	A	1987-10-20	CA1228337
FR2583726	A1	1986-12-26	FR2583726
FR2583727	A1	1986-12-26	FR2583727
US4610126	A	1986-09-09	US4610126
GB2171664	A	1986-09-03	GB2171664
US4594839	A	1986-06-17	US4594839
GB8608444	D0	1986-05-14	GB8608444
US4569183	A	1986-02-11	US4569183
US4553375	A	1985-11-19	US4553375
US4550551	A	1985-11-05	US4550551
GB2136379	A	1984-09-19	GB2136379
JPS59161683	A	1984-09-12	JP59161683
FR2540471	A1	1984-08-10	FR2540471
DE3404460	A1	1984-08-09	DE3404460
GB8403101	D0	1984-03-07	GB8403101



(US4550551)

An apparatus and method for transferring parts travelling in a single row on a first **conveyor** to a receptacle travelling on a second **conveyor**, the parts being placed in the receptacle in consecutive rows of a plurality of the parts. A part loader, comprising an elbow-joint arm having a pivotable first arm and a second arm mounted on the end of the first arm pivotable relative to the first arm, supports a part pick-up member mounted on the end of the second arm which picks up at least one part from the end of the first **conveyor** and transfers the part to the receptacle on the second **conveyor**. Alternatively, the part pick-up member is adapted to pick up a row of parts from the first **conveyor** and to place one row of parts in the part receptacle, or to rotate a part during transfer from the first **conveyor** to the part receptacle.

Inventors

DESANTIS RAYMOND P

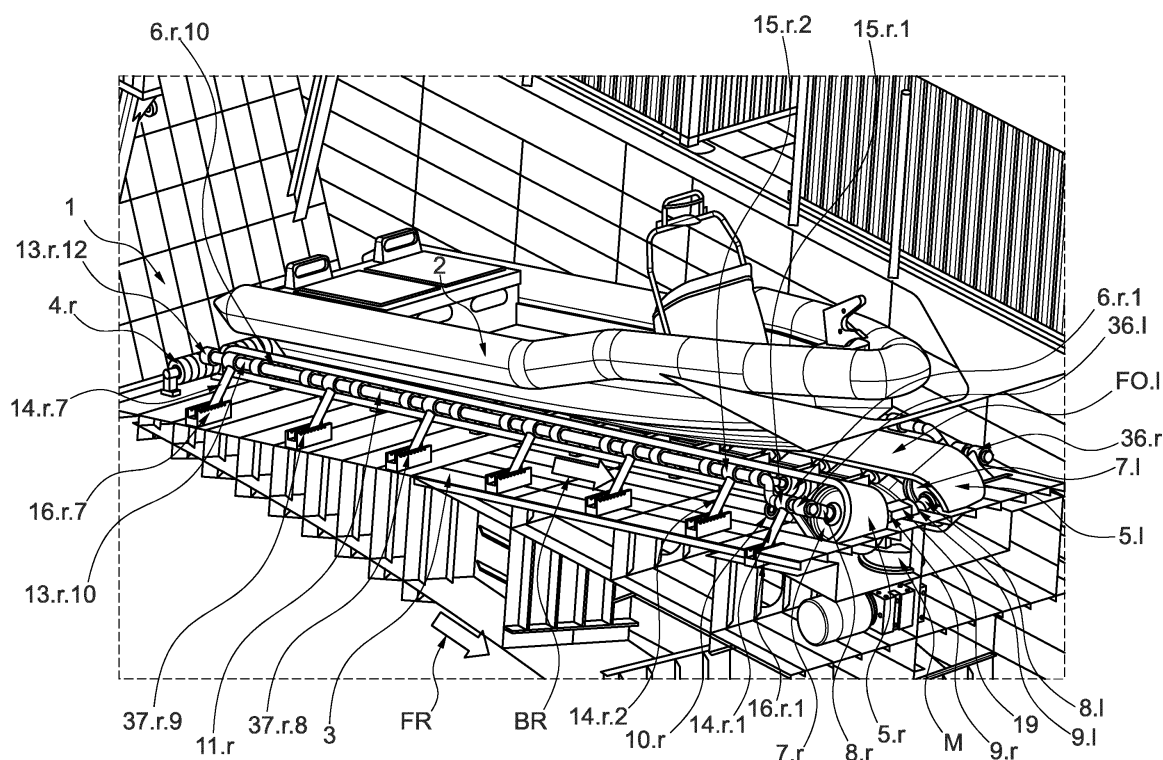
Latest standardized assignees - inventors removed

PTX PENTRONIX

Family 58/100 - FAMPAT - ©Questel

Title

(WO2019101590)

Pick-up device and pick-up method comprising **conveyor** belts for a watercraft**Images****Fig. 3****Publication numbers with kind code & date**

WO2019/101590 A1 2019-05-31 WO2019101590

LU100522 B1 2019-05-27 LU-100522

**Abstract**

(WO2019/101590)

The invention relates to a pick-up device for picking up at least one watercraft (2), in particular a pick-up device for a **boat** (2) on board a mother ship (1). Two inclined **conveyor** units (5.l, 5.r) of a conveying device each provide a **conveyor** surface (FO.l, FO.r) pointing upward and inclined with respect to the horizontal. The two inclined **conveyor** units (5.l, 5.r) are arranged beside each other and form a V. The respective angle of inclination of each **conveyor** surface (FO.l, FO.r) with

respect to the horizontal can be changed. A **conveyor** drive drives the two inclined **conveyor** units (5.l, 5.r). The driven inclined **conveyor** units (5.l, 5.r) are capable of pulling a watercraft (2) that is to be picked up out of the water and of lifting the watercraft onto a ramp (3) rising obliquely.

Inventors

KÖNIG STEFAN

DRAEGER JÖRG

TRÖLSCH MARIE

Latest standardized assignees - inventors removed

THYSSENKRUPP MARINE SYSTEMS

THYSSENKRUPP

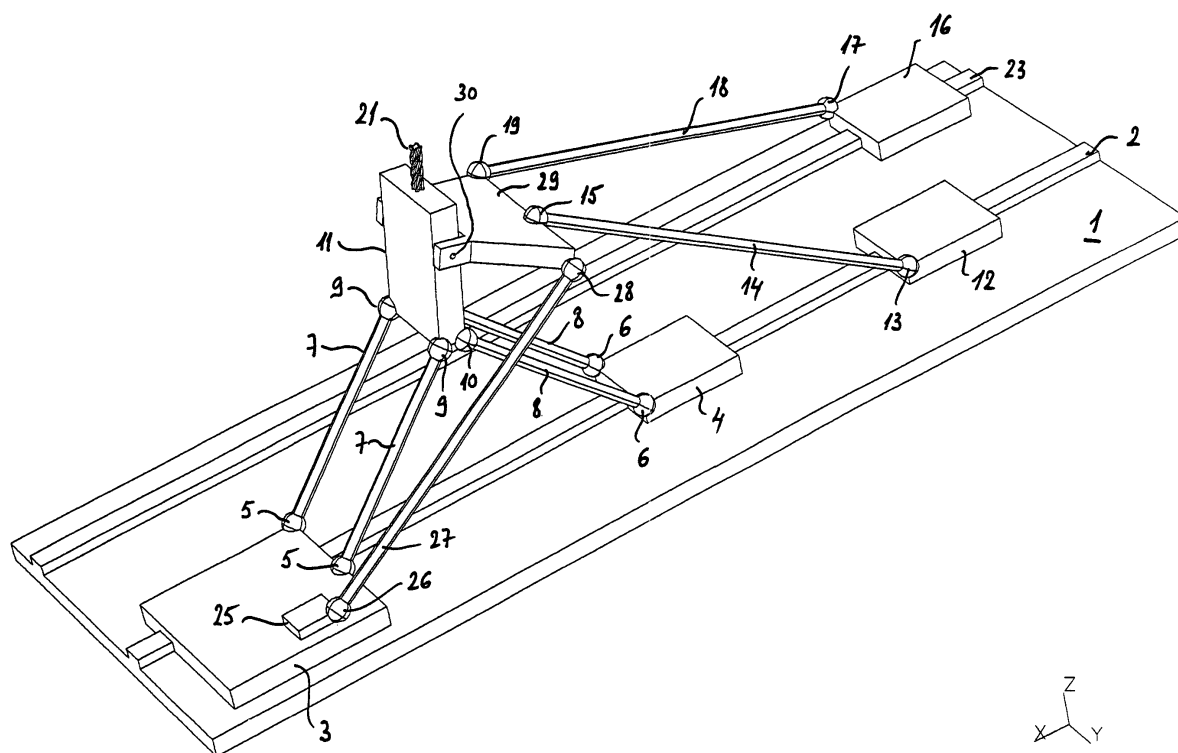
Family 59/100 - FAMPAT - ©Questel

Title

(EP1234632)

Kinematic device for programmably supporting and positioning an end element in a machine or an instrument

Images



Publication numbers with kind code & date

US8303238	B2	2012-11-06	US8303238
CA2439881	C	2011-01-04	CA2439881
JP4523228	B2	2010-06-04	JP4523228
PL205720	B1	2010-05-31	PL-205720
HK1064636	A1	2009-11-06	HK1064636
IL157476	B	2009-07-20	IL-157476
IN233133	B	2009-03-27	IN-233133
CN100462197	C	2009-02-18	CN100462197C
KR100882624	B1	2009-02-06	KR100882624
IN1412/DELNP/2003	A	2005-05-27	IN2003DN01412
EA005147	B1	2004-12-30	EA---5147
CZ20032512	A3	2004-12-15	CZ200302512
PL364104	A1	2004-12-13	PL2002364104



JP2004524982	A	2004-08-19	JP2004524982				
CN1498149	A	2004-05-19	CN1498149				
SK11642003	A3	2004-05-04	SK200301164				
IL157476	A	2004-03-28	IL-157476				
US20040052628	A1	2004-03-18	US20040052628				
EA200300921	A1	2004-02-26	EA200300921				
HU0303205	A2	2003-12-29	HU200303205				
KR20030096262	A	2003-12-24	KR20030096262				
EP1365887	A1	2003-12-03	EP1365887				
CA2439881	A1	2002-08-29	CA2439881				
WO02/66203	A1	2002-08-29	WO200266203				
EP1234632	A1	2002-08-28	EP1234632				

Abstract

(EP1234632)

The nacelle (11) carries the end element (21) and is connected by four ball joints (9,10) to two legs each formed from two support bars (7,8) forming deformable parallelograms mounted on runners (3,4). The pivoting plate (29) articulated on the nacelle about the spindle (30) is subjected to control bars (27), pivoting control bars (14) and lateral displacement bars (18) connected respectively by ball joints (26,13,17) to the runners (3,12,23).

Inventors

THURNEYSEN MARKUS

CLAVEL REYMOND

Latest standardized assignees - inventors removed

WILLEMIN MACHINES

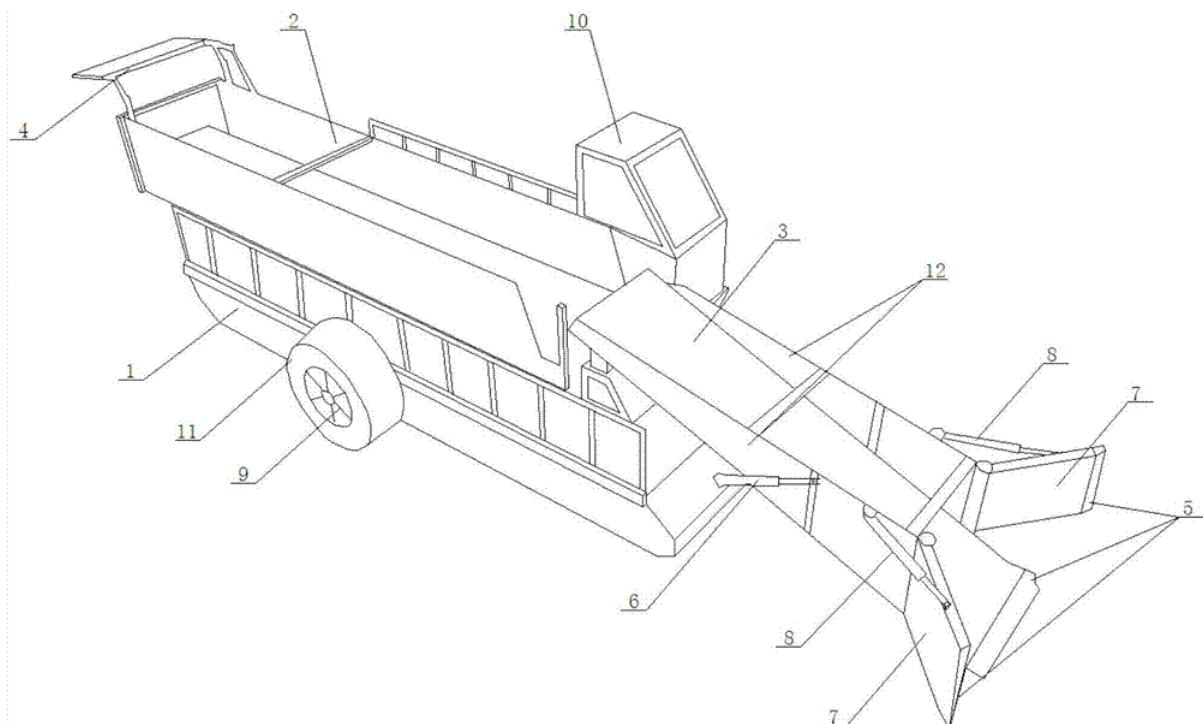
Family 60/100 - FAMPAT - ©Questel

Title

(CN207151204U)

Weed -cutting launch

Images



Publication numbers with kind code & date

CN207151204 U 2018-03-30 CN207151204U

Abstract

(CN207151204)

The utility model discloses a weed-cutting launch includes the hull, be provided with on the hull and collect the storehouse, the one end of collecting the storehouse is provided with **conveyor**, the door is excreteed in being provided with that the other end of collecting the storehouse can open and shut, **conveyor**'s one end articulates on collecting the storehouse, **conveyor**'s the other end is provided with cutting device, **conveyor**'s middle part is through lift hydraulic stem and ship body connected, **conveyor** is provided with that cutting device's one end is **articulated** to have two pendulum boards, the tip of pendulum board is provided with cutting device, be provided with the swing hydraulic stem between pendulum board and the **conveyor**, all be provided with cutting device respectively at **conveyor**'s the tip and the tip of pendulum board, the cutting device that the **conveyor** tip set up can cut the weeds of its front end, and the cutting device who sets up at pendulum board tip can put the weeds cutting of **conveyor** both sides the board and can draw in the weeds that cut down in **conveyor** moreover, keeps in in **conveyor** carries the collection storehouse.

Inventors

PANG AIQUAN

Latest standardized assignees - inventors removed

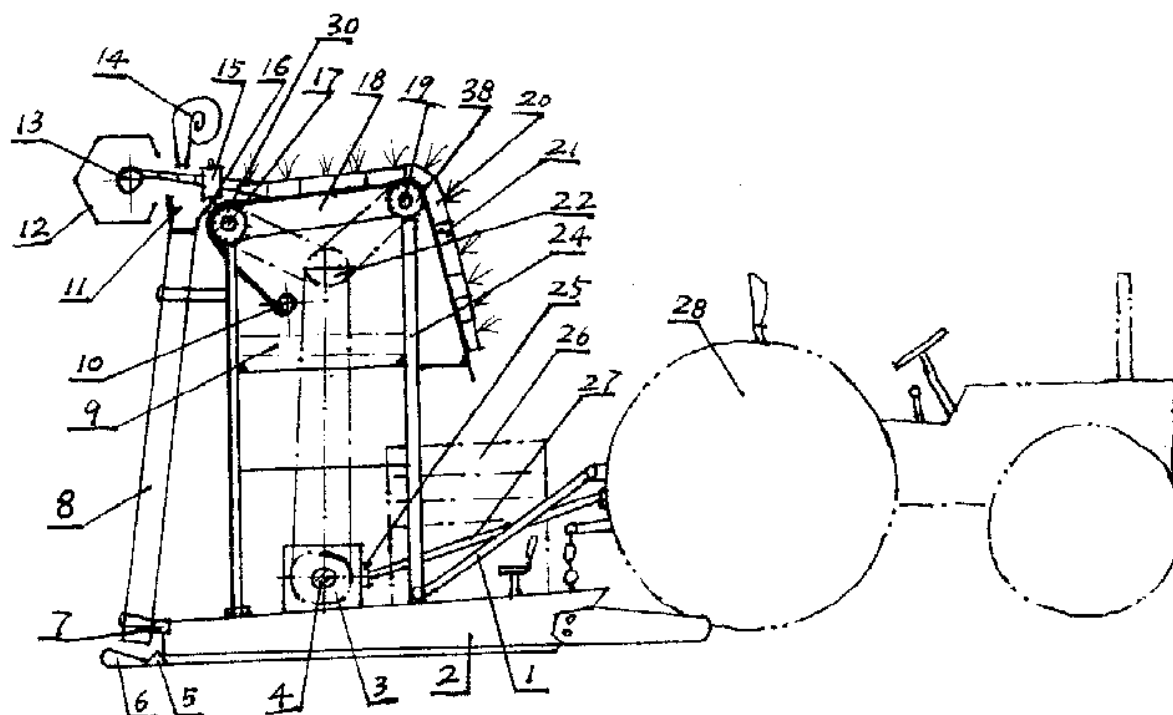
QINGZHOU KEDA MINGING MACHINE

Family 61/100 - FAMPAT - ©Questel

Title

(CN2308240U)

Transplanting seedling planter for crops growing in pot body

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

CN2308240 Y 1999-02-24 CN2308240U

**Abstract**

(CN2308240)

The utility model relates to an agricultural machine for transplanting seedling for crops growing in pot bodies, particular to a device for transplanting seedlings for paddy rice growing in pot bodies. The utility model comprises a separable seedling-raising **plate**, a power transmission mechanism, a seedling delivering mechanism, a seedling disk separating device, an empty disk recovering mechanism, a seedling delivering pipe, a furrow opener, a soil covering device, a **boat** body, a traction stand, etc. The machine plants seedlings adopting a special separable seedling-raising **plate** and matching with a

seedling planting machine; with the seedling disk separating device, the potted body seedlings of crops are desquamated one by one from the seedling raising cup of the separable seedling-raising **plate** into break line seedling picking funnels; the seedlings is delivered into a furrow opened by the furrow opener through the seedling delivering pipe; then, soil is covered by the soil covering device, and the transplantation of seedling for crops growing in pot bodies is accomplished.

Inventors

WEI LIN

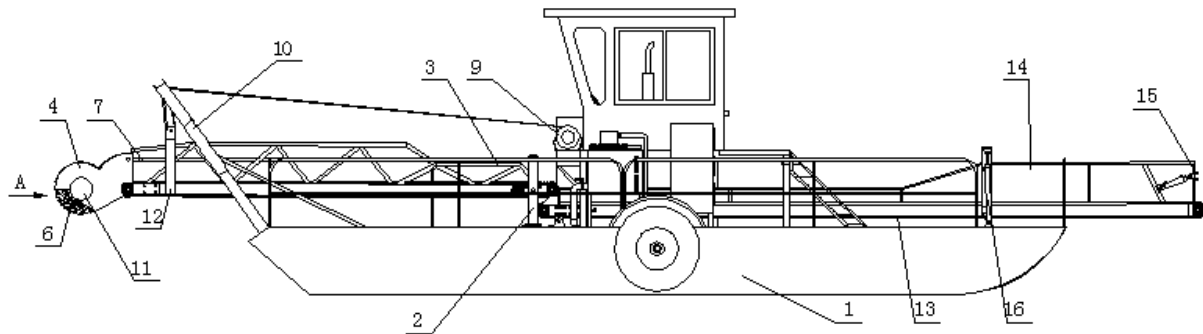
Family 62/100 - FAMPAT - ©Questel

Title

(CN202958200U)

Full-automatic underwater weeding **boat**

Images



Publication numbers with kind code & date

CN202958200 U 2013-06-05 CN202958200U



Abstract

(CN202958200)

The utility model discloses a full-automatic underwater weeding **boat** which comprises a **boat** body. A supporting frame is fixedly connected with the **boat** body, a cutting conveying rack is hinged to the supporting frame, wherein the cutting conveying rack protrudes toward the front of the **boat** body and the front end portion of the cutting conveying rack is driven by a lift drive device to go up and down, a weed conveying device is arranged on the lower portion of the cutting conveying rack, the front portion of the cutting conveying rack is hinged to a weed-cutting conveying cover, the weed-cutting conveying cover is hinged to a cutting shaft which is driven by a power device, a plurality of spirally distributed cutting knives are arranged on the cutting shaft, each cutting knife is composed of a knife arm which is connected with the cutting shaft and protrudes in the radial direction along the cutting shaft and a knife tip which is arranged on the knife arm and protrudes in the axial direction along the cutting shaft, a weed-cutting port is formed in the lower portion of the weed-cutting conveying cover, the cutting knives expose through the weed-cutting port, weed-conveying gaps are reserved on the rear portion of the weed-cutting conveying cover and above the front portion of the weed conveying device, and a pulling rod is arranged between the weed-cutting conveying cover and the supporting frame. The full-automatic underwater weeding **boat** is capable of eliminating aquatic plants in various depths underwater, and roots of the aquatic plants can be cut. The full-automatic underwater weeding **boat** has the advantages of being complete in aquatic plant cutting, good in cutting effect, and beneficial for collecting.

Inventors

WANG PENG

FA DUNQING

ZHANG YANQIANG

Latest standardized assignees - inventors removed

QINGZHOU JULONG DREDGING & MINING MACHINERY

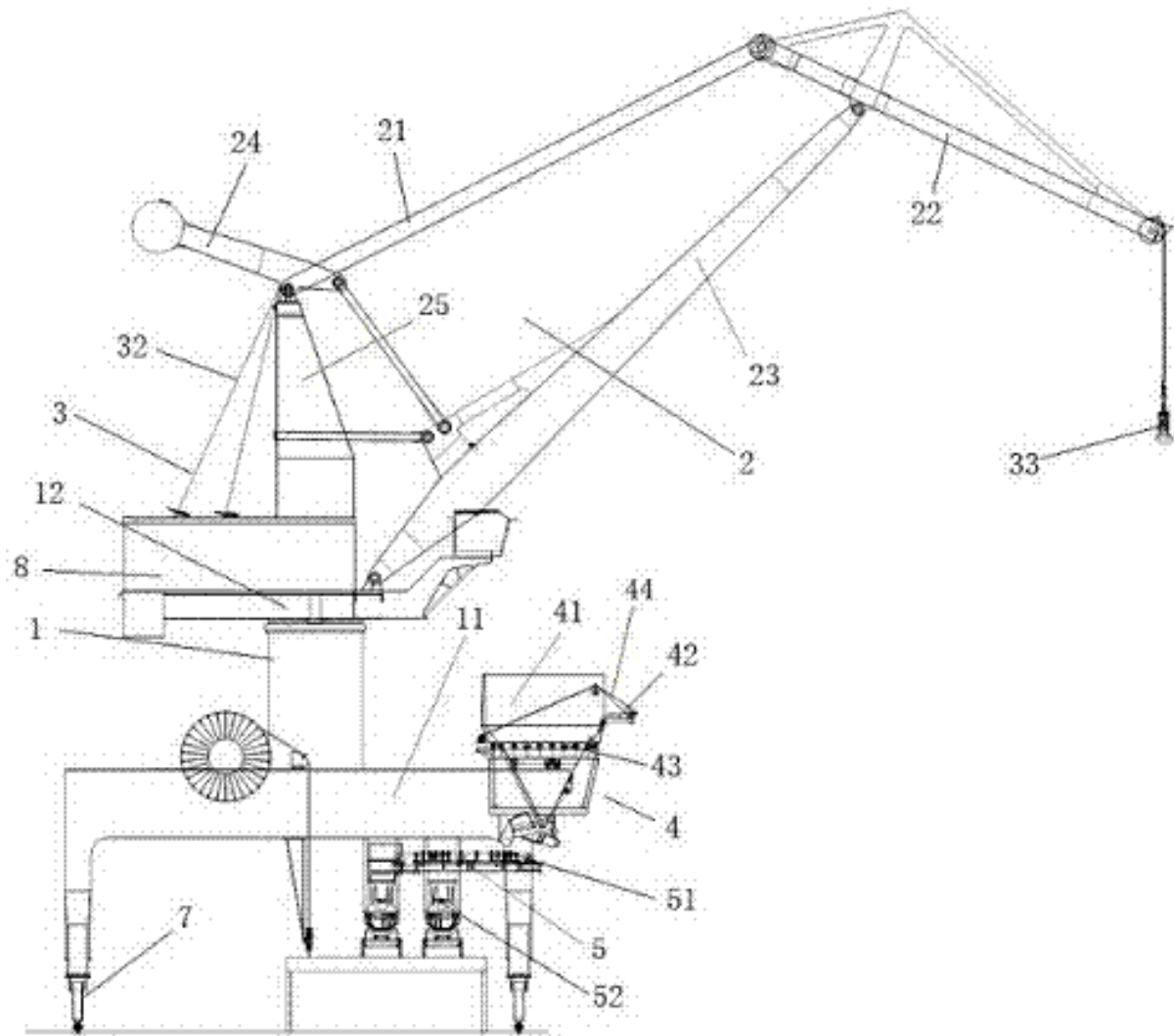
Family 63/100 - FAMPAT - ©Questel

Title

(CN106081951)

Efficient portal crane with hopper

Images



Publication numbers with kind code & date

CN106081951	B	2018-01-09	CN106081951B
CN106081951	A	2016-11-09	CN106081951



Abstract

(CN106081951)

The invention discloses an efficient portal crane with a hopper. A portal frame is connected with a rotating disk assembly through a transmission bearing. An arm frame structure is fixed to the rotating disk assembly and comprises a large pulling rod, a trunk beam, a crane arm and a balance frame. The balance frame, the large pulling rod and the trunk beam are hinged in sequence. One end of the balance frame is hinged to a frame body of the trunk beam, and the other end of the balance frame is connected with the rotating disk assembly. A lifting mechanism is fixed to the rotating disk assembly and comprises a plurality of lifting machines. Each lifting machine is connected with a steel wire rope. After penetrating through the large pulling rod and the trunk beam, the steel wire ropes are connected with a lifting hook. The portal crane with the hopper further comprises a material receiving device. The material receiving device is located in a girder notch of the portal frame and comprises the hopper. The efficient portal crane with the hopper has the advantages that the lifting weight is large; the size is large; the operation time is short; materials are not prone to scattering; the hopper and a dock **belt conveyor** are not prone to being abraded; model selection of electromechanical parts and components is easy; flying dust is little; environmental protection is achieved; and operation is efficient.

Inventors

SHA XILAN

DONG ZHIPING

ZHU CONGBING

ZHU YI
XIAO XIONG
GAO JUNWU
SUN HONG
WAN JINQI

Latest standardized assignees - inventors removed

NANJING GANGJI HEAVY INDUSTRIES MANUFACTURING

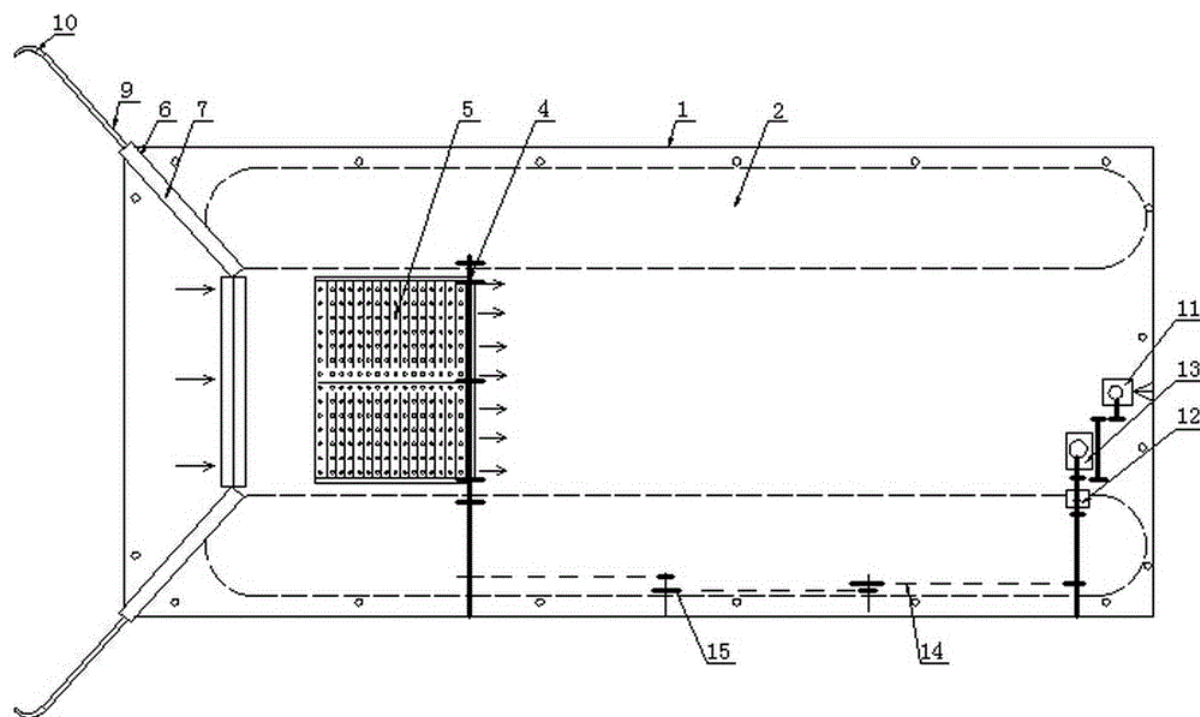
Family 64/100 - FAMPAT - ©Questel

Title

(CN104986300)

Cleaning **boat** for garbage on water surface

Images



Publication numbers with kind code & date

CN104986300	B	2017-04-12	CN104986300B
CN104986300	A	2015-10-21	CN104986300



Abstract

(CN104986300)

Disclosed in the invention is a cleaning **boat** for garbage on a water surface. The cleaning **boat** comprises a **boat** body; and a garbage collection device and a drive device are fixedly arranged on the **boat** body. Two buoyancy tanks are fixedly arranged at the two sides below the **boat** body; and a water flow passing zone is formed between the two buoyancy tanks. The garbage collection device includes a driven shaft, a driving shaft, and a garbage conveying filter tape; the driven shaft is arranged below the **boat** body movably by a bearing; the driving shaft is arranged on the **boat** body by a bearing; the driving shaft and the drive device are connected; and the garbage conveying filter tape is arranged on the **boat** body obliquely by the driving shaft and the driven shaft. According to the invention, the garbage on the water surface at the marching direction of the **boat** body can be collected automatically.

Inventors

DENG SANMIN

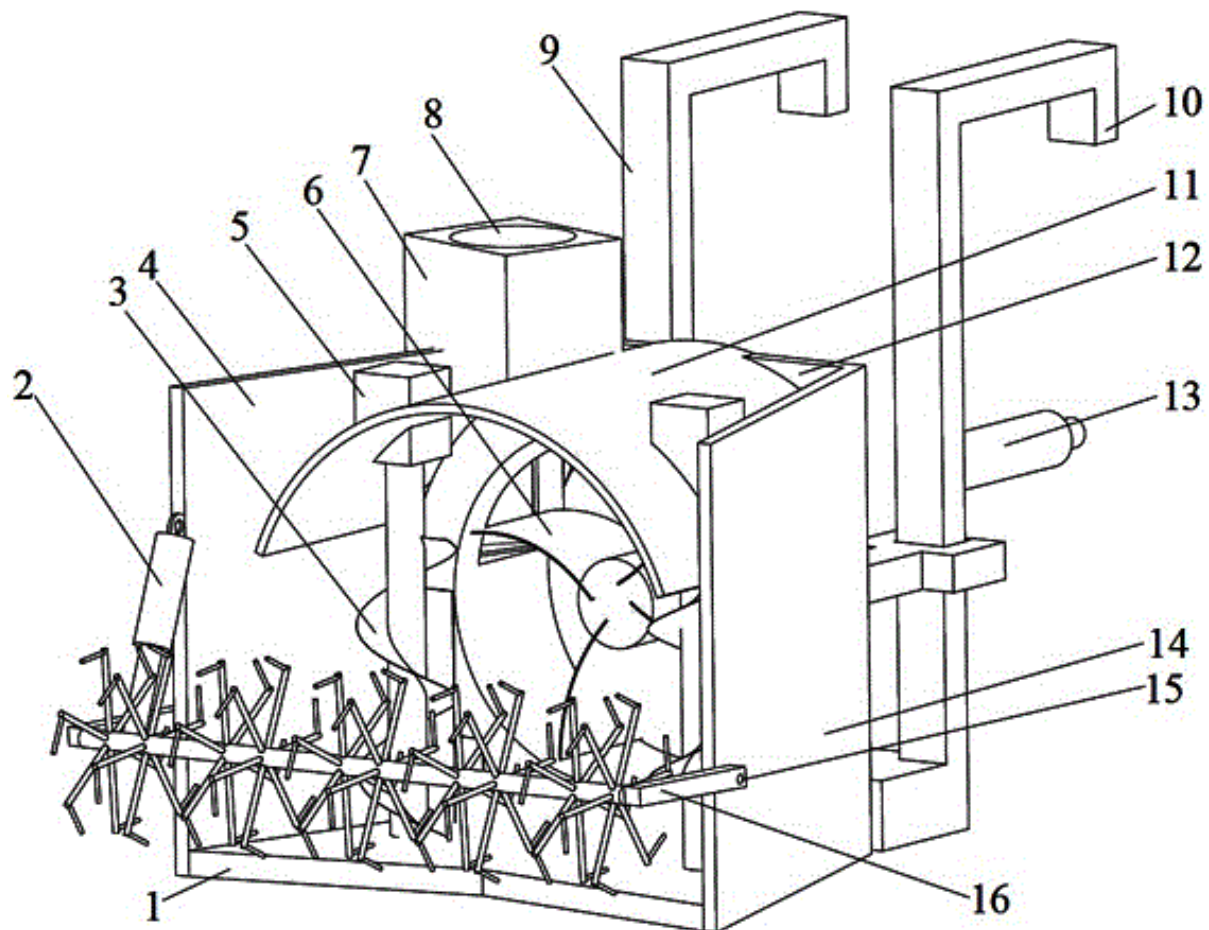
Family 65/100 - FAMPAT - ©Questel

Title

(CN104563074)

Enteromorpha salvaging device

Images



Publication numbers with kind code & date

CN104563074	B	2016-07-20	CN104563074B
CN104563074	A	2015-04-29	CN104563074



Abstract

(CN104563074)

The invention relates to the field of ocean environmental protection equipment, in particular to an enteromorpha salvaging device. The enteromorpha salvaging device comprises a support system, a poking wheel system and a lifting mechanism, wherein the support system is of an open dustpan type structure consisting of a base plate, a left protective plate, a right protective plate, an upper protective plate and a rear baffle plate; the poking wheel system is mounted on the left protective plate and the right protective plate, and the support part of the poking wheel system is articulated with the left protective plate and the right protective plate through articulated shafts; the poking wheel system is connected with the left protective plate through a hydraulic cylinder; the two ends of the hydraulic cylinder are in an articulated mode; the lifting mechanism is arranged behind the support system, is connected with the rear baffle plate, and drives the support system to perform a lifting motion. According to the enteromorpha salvaging device disclosed by the invention, through motor driving, automatic enteromorpha salvaging can be realized when the enteromorpha salvaging device is mounted on an ordinary small ship during working, so that the work efficiency is high, enteromorpha can be salvaged cleaned in a short period of time, and the ecological environment of sea surface is recovered.

Inventors

LI JIAYI

SUN CHAOYANG

ZHU GAOPENG

SU CHAO

SUN XUEYAN

QI HUI

MENG FANGUANG

WEN YICHENG

Latest standardized assignees - inventors removed

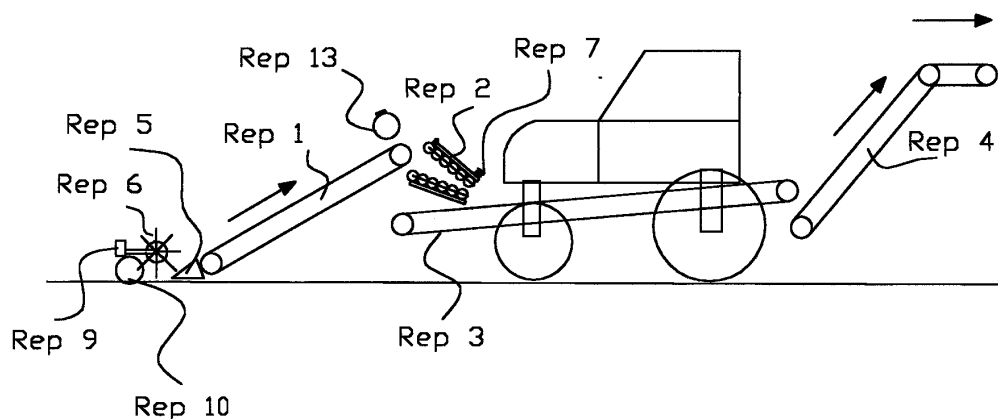
SHANDONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Family 66/100 - FAMPAT - ©Questel

Title

(FR2953229)

COLLECTING DEVICE SUCH AS ALGAE FLOATING MATERIALS, IN SUSPENSION, HAS THE SURFACE OR BETWEEN TWO WATER AND ON THE RANGE

Images**Publication numbers with kind code & date**[FR2953230](#) B1 2013-08-02 [FR2953230](#)[FR2953229](#) A1 2011-06-03 [FR2953229](#)[FR2953230](#) A1 2011-06-03 [FR2953230](#)**Abstract**

(FR2953229)

The device has a pressing device (13) constituted of two self-adjustable and self-locking, notched or smooth, motorized upper and lower compression rollers (2, 2') and arranged at an outlet of an opened or perforated, motorized collector **conveyor belt** (1) that is provided with metal or PVC meshes, brushes (6), fillets or laths. The pressing device permits extraction of large quantity of water and sand contained in a floating material i.e. green alga. The collector **conveyor belt** is provided with arms that are arranged in V-shape and are associated with the pressing device.

(From FR2953230 A1)

Inventors

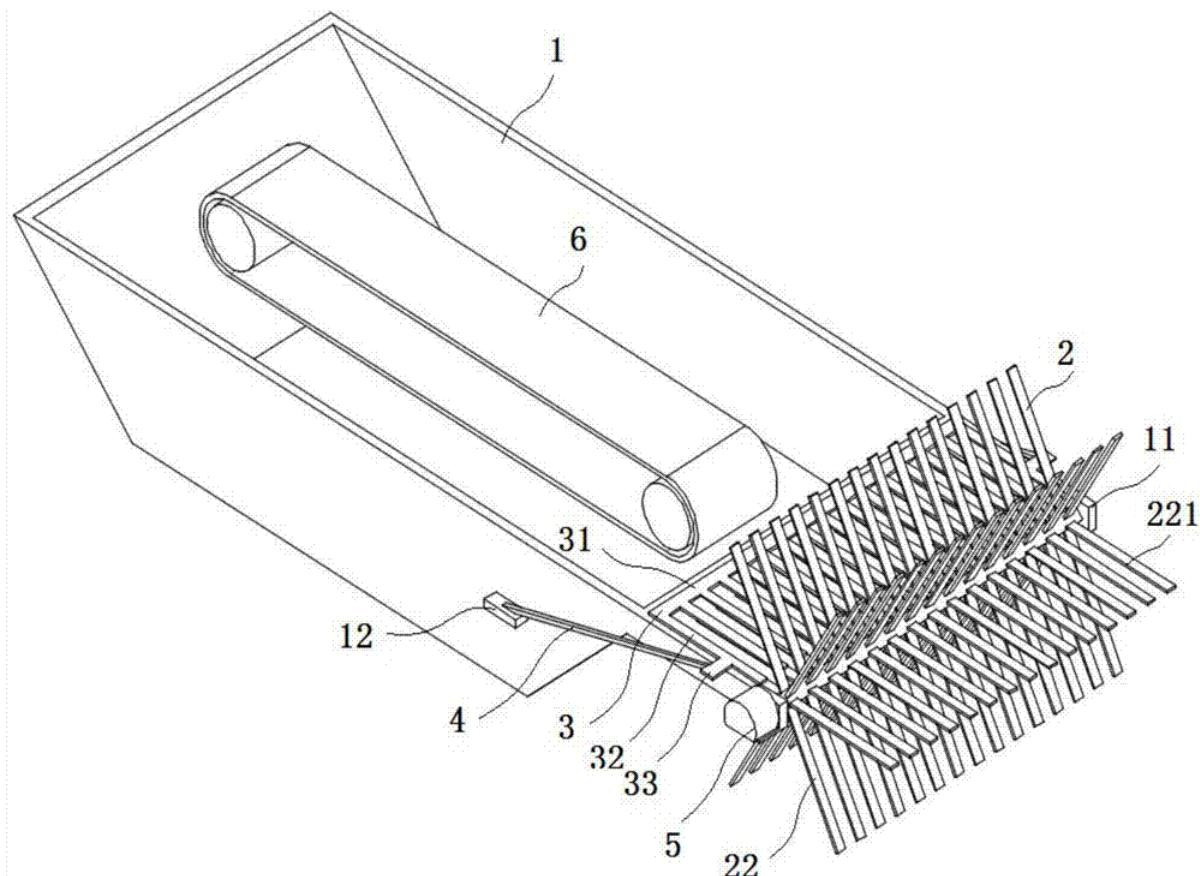
LE DROFF YVES

Family 67/100 - FAMPAT - ©Questel

Title

(CN208515794U)

Floating contaminants from the purge vessel to a water surface

Images**Publication numbers with kind code & date**[CN208515794](#)

U

2019-02-19

CN208515794U

**Abstract**

(CN208515794)

The present utility model discloses a water-surface floating contaminants clean-up **boat**. The technical field related to the purge vessel. The present utility model includes a hull, the hull of the bow-mounted two mutually parallel side rails; fishing apparatus installed at both sides help room; fishing apparatus includes a rotating shaft between the upper is attached on both sides; several fishing deck rotary shaft circumference side annular uniform distribution is fixed; bow of the hull on the comb-shaped screen **plate** is hinged at both sides help room. The present utility model through the bow of a fishing device and fishing apparatus help room mounted on both sides of the comb-shaped screen **plate** of the screen band gap matches with each other, the stepping motor controlling means is rotated to be **hinged**, floating contaminants picked up by the surface of the wall defining the river fishing, and the comb-shaped screen **plate** when rotated to, airborne contaminants delivered to the comb-shaped sieve **plate**; as floating contaminants from transmitting rotation of the telescoping rod to control the comb-shaped screen **plate** to a **conveyor belt**, floating contaminants removed to the surface of the river ensures efficient, convenient and fast, labor saving, to enhance environmental quality.

Inventors

WANG QUANJUN

WANG WEIHUA

ZHANG HUA

LIU XIUCHUAN

Latest standardized assignees - inventors removed

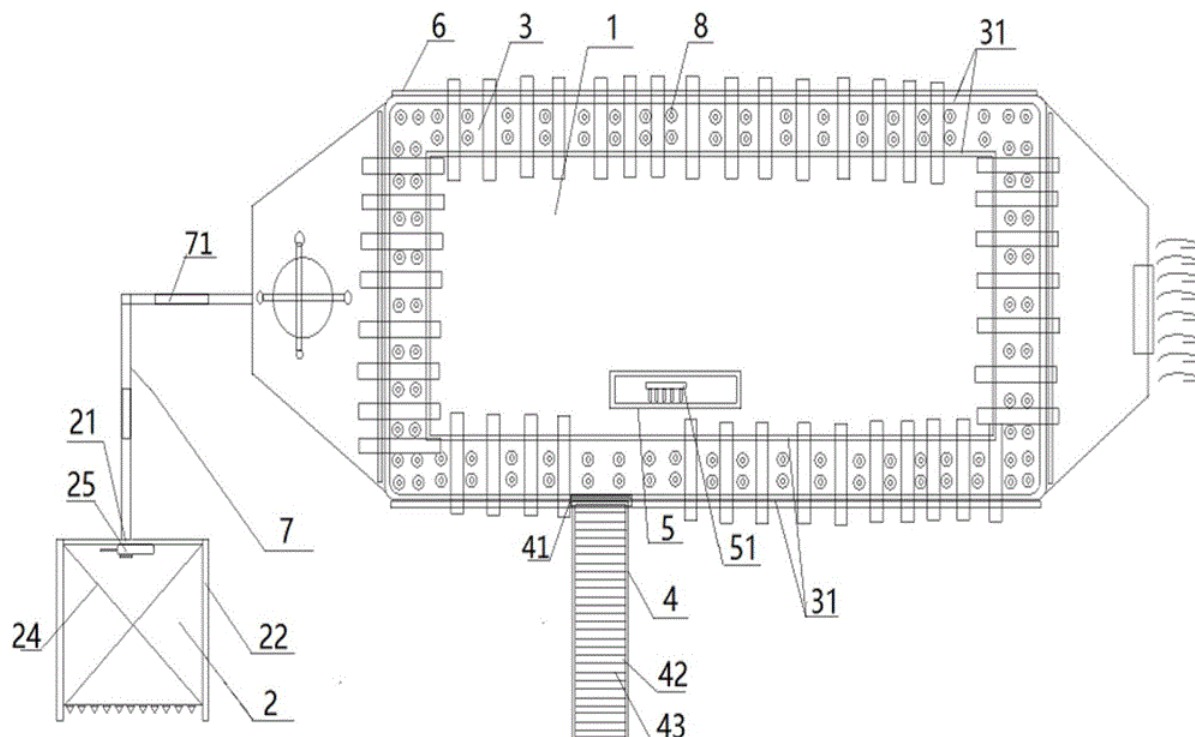
ANHUI JIAMING ENVIRONMENTAL PROTECTION TECHNOLOGY

Family 68/100 - FAMPAT - ©Questel

Title

(CN107628206)

Surface garbage salvage vessel

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

CN107628206 B 2019-03-01 CN107628206B

CN107628206 A 2018-01-26 CN107628206

**Abstract**

(CN107628206)

The invention provides a surface garbage salvage vessel which comprises a vessel body, a garbage salvage device, garbage collecting devices, a garbage conveying device and a control center. The garbage salvage device is arranged at the front end of the vessel body, the garbage collecting devices are arranged on the periphery of the vessel body and are fixedly connected to the vessel body through supporting pillars at bottoms of the garbage collecting devices, garbage dampers are arranged on the periphery of the garbage conveying device, a garbage conveying belt is arranged on the surface of the garbage conveying device, and the control center is arranged in the vessel body. By the arrangement, garbage on the water surface can be cleaned through the salvage vessel, automation degree is high, problems about low manual salvage efficiency, serious potential safety hazard, high salvage cost and small salvage range are effectively solved, the surface garbage salvage vessel is compact in structure and continuous and convenient in operation, difficulty in collecting the garbage on the water surface is reduced, and the environment pollution brought by the garbage of the water surface is alleviated.

Inventors

WANG YUQI

YI BINGLEI

Latest standardized assignees - inventors removed

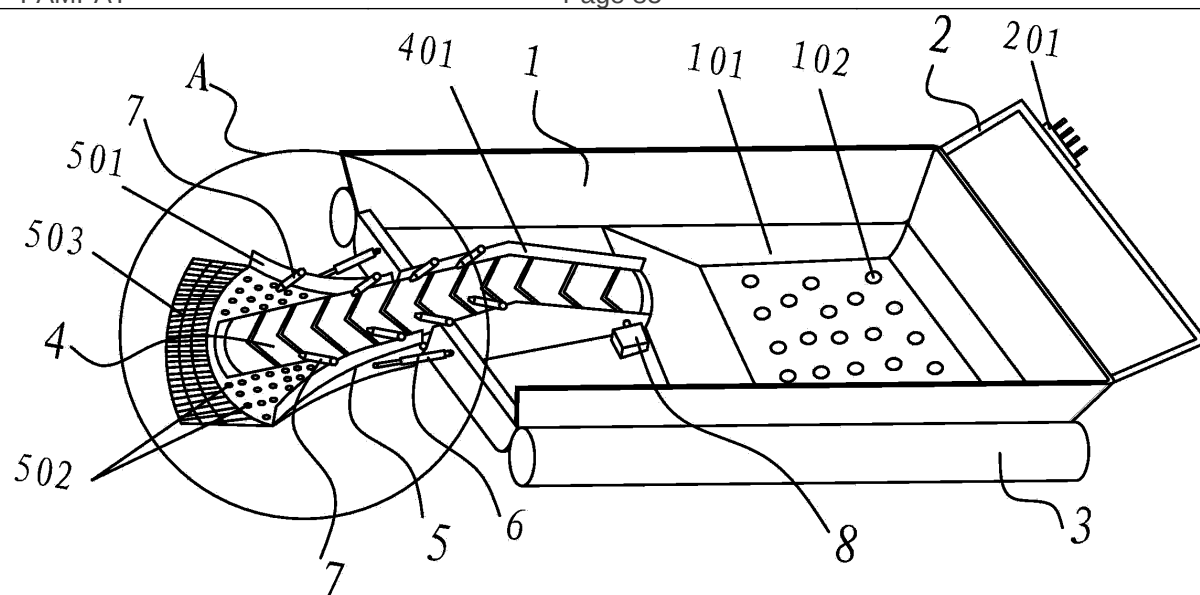
GAO XIAOLING

Family 69/100 - FAMPAT - ©Questel

Title

(CN203902797U)

Boat special for harvesting lotus roots**Images**



Publication numbers with kind code & date

CN203902797

U

2014-10-29

CN203902797U



Abstract

(CN203902797)

The utility model relates to a **boat** special for harvesting lotus roots. The **boat** comprises a **boat** body; the back side of the **boat** body is provided with a moving handle; a lotus root collecting cabin is arranged close to the back side in the **boat** body; the left and right sides of the **boat** body are provided with pontoons; the **boat** body is provided with a conveyer device close to the front end of the **boat** body; one end of the conveyer device is fixed in the **boat** body and is connected with a power device, and the other end of the conveyer device is connected with a scraper box device arranged at the front end of the **boat** body; the scraper box device is connected with the **boat** body through an angle adjusting device; first baffles on two sides of the conveyer device and second baffles on two sides of the scraper box device are provided with flushers. According to the **boat** special for harvesting the lotus roots, the lotus roots can be mechanically harvested, the problems of high workload, slow harvesting process, high labor intensity and the like of the manual harvesting process are avoided, and the lotus root harvesting efficiency is effectively improved.

Inventors

XU HUACHAO

LIU YANGYANG

XU XIA

LI WANWAN

Latest standardized assignees - inventors removed

ANHUI UNIVERSITY OF SCIENCE & TECHNOLOGY

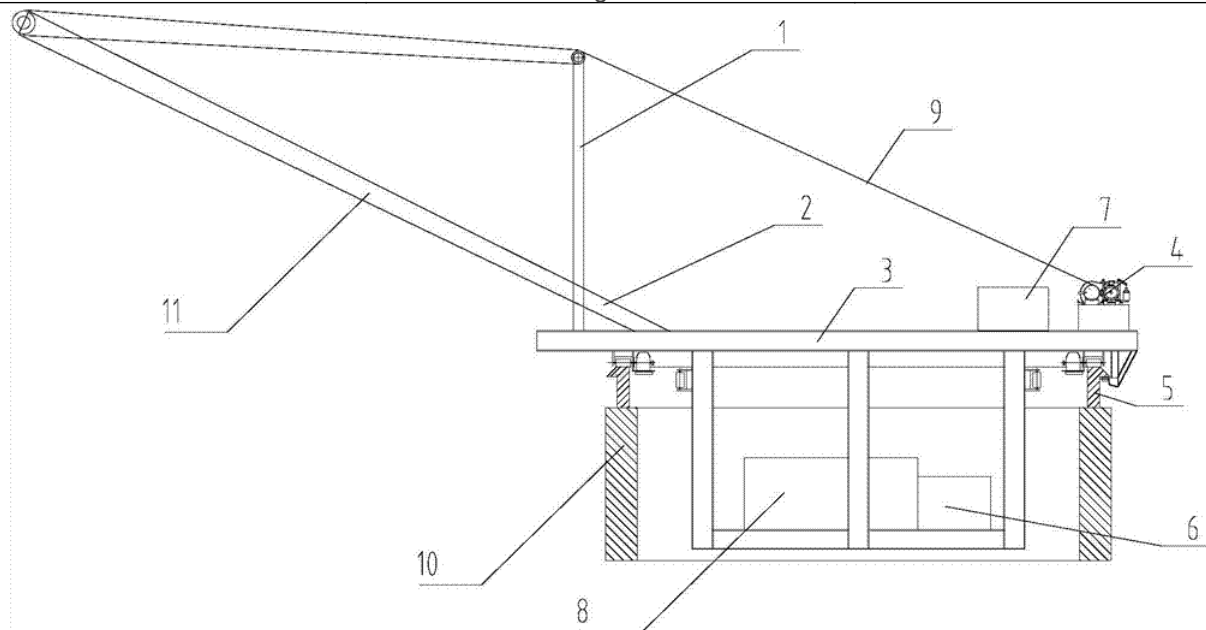
Family 70/100 - FAMPAT - ©Questel

Title

(CN206984269U)

Rotatory self -discharging formula **conveyor** and sand discharging ship

Images



Publication numbers with kind code & date

CN206984269 U 2018-02-09 CN206984269U



Abstract

(CN206984269)

The utility model provides a rotatory self-discharging formula conveyor, the on-line screen storage device comprises a base, be equipped with pole setting and inclined support frame on the base, but the last conveyor belt that is equipped with subsequent rotation of inclined support frame, still be equipped with the hoist on the base, rotatory self-discharging formula conveyor still includes mount pad and carousel, the carousel set up in between mount pad and the base, be equipped with power unit in the mount pad, power unit is used for driving the base is in the carousel internal rotation, the base with swing joint between the carousel, perhaps, the carousel with swing joint between the mount pad. On the other hand, the utility model discloses still provide the sand discharging ship including above-mentioned rotatory self-discharging formula conveyor. The sand discharging ship of this structure, its rotatory self-discharging formula conveyor are can 360 rotatory, the rotatable amidship of arranging in when out of work, and its conveyor belt can have the advantage that the security performance is better, transport efficiency is higher and economic performance is better according to sand carrier height and position adjustment angle.

Inventors

LUO ZHENQIANG

YAN BING

CHEN YUEHUI

Latest standardized assignees - inventors removed

YUEYANG ANTAI HOISTING EQUIPMENT

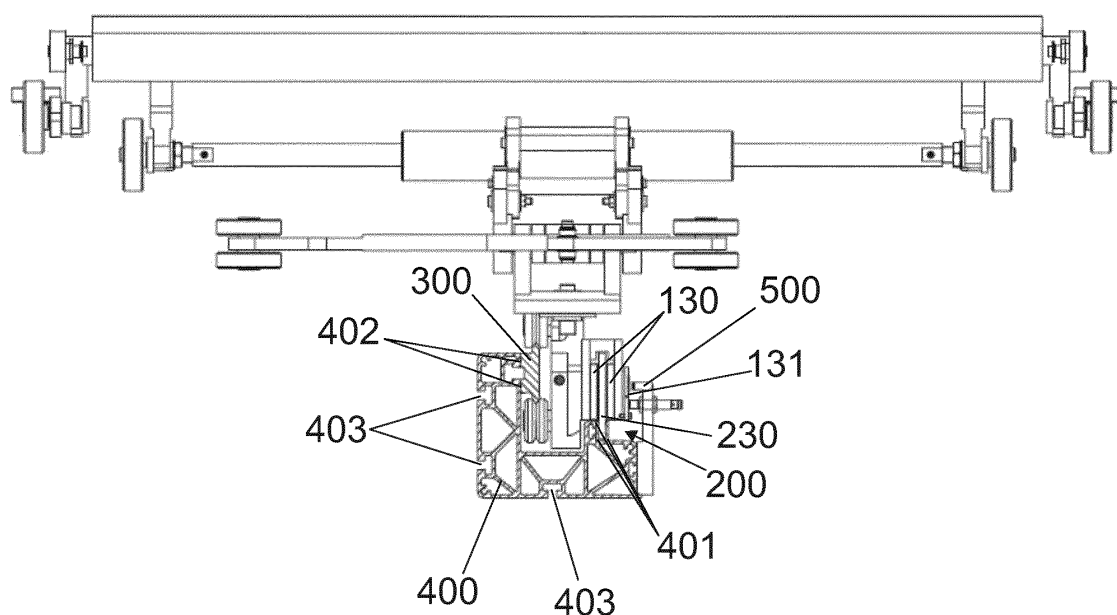
Family 71/100 - FAMPAT - ©Questel

Title

(EP2938567)

Conveyor system for the transport of passengers/goods

Images



Publication numbers with kind code & date

US9776833	B2	2017-10-03	US9776833				
CN104918875	B	2017-06-27	CN104918875B				
HK1214581	A1	2016-07-29	HK1214581				
US20150336772	A1	2015-11-26	US20150336772				
EP2938567	A1	2015-11-04	EP2938567				
CN104918875	A	2015-09-16	CN104918875				
CA2896146	A1	2014-07-03	CA2896146				
WO2014/102019	A1	2014-07-03	WO2014102019				
ES2400373	B1	2013-11-15	ES2400373				
ES2400373	A1	2013-04-09	ES2400373				

Abstract

(EP2938567)

A **conveyor** system for displacing passenger/goods formed by a moving endless **belt** comprising a plurality of pallet assemblies (100, 101) and drive means (200) to transmit a drive movement to the pallet **belt** (100, 101). The pallets (100, 101) have a functional surface opposite to the support surface (160) and having first meshing means (130). The drive means (200) comprise second meshing means (230) designed to interact with the first meshing means (130), so that the drive pallets (100), are driven by the drive means (200) by means of a meshing between the first meshing means (130) and the second meshing means (230) and to drive said pallet **belt** (100, 101) in the movement direction D. The drive means (200) have a linear motor aligned with the movement direction D.

Inventors

GONZALEZ ALEMANY MIGUEL ANGEL
 GONZALEZ PANTIGA JUAN DOMINGO
 GONZALEZ FERNANDEZ ENRIQUE
 MENDIOLAGOITIA JULIANA JOSÉ
 PELLO GARCIA ALBERTO

PALOMERO COCHO FRANCISCO

CASTAÑO LANTERO AURELIO

MORAN GARCIA EDUARDO

ROS ZUAZUA PEDRO

MARTINEZ GUTIERREZ JAVIER

MUSLERA FERNANDEZ IGNACIO

Latest standardized assignees - inventors removed

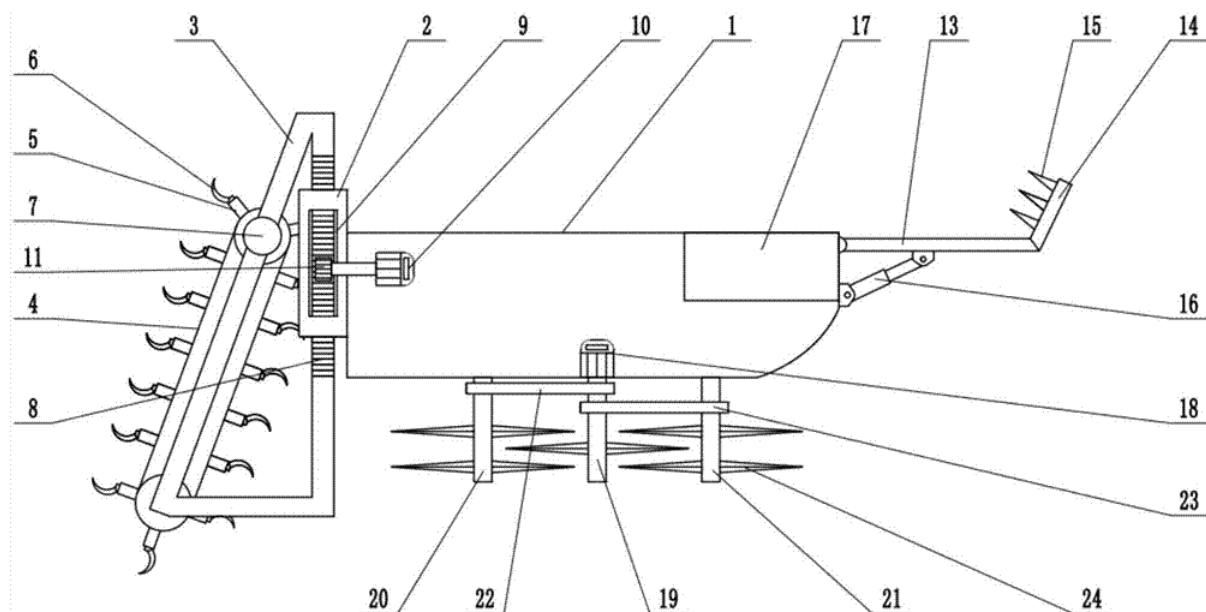
THYSSENKRUPP ELEVATOR INNOVATION CENTER

Family 72/100 - FAMPAT - ©Questel

Title

(CN108082403)

River dredger convenient for clearing weed

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

CN108082403 A 2018-05-29 CN108082403

**Abstract**

(CN108082403)

The invention discloses a river dredger convenient for clearing weed. The river dredger comprises a hull, sliding rails, a support frame, a silt groove, a collection groove and a cutter head, wherein the sliding rails are fixedly connected to the rear part of the hull; the support frame is embedded between the sliding rails; a conveyor belt is mounted on the oblique side of the support frame; a plurality of fixing plates are distributed on the surface of the conveyor belt; curved plates are fixedly connected to the fixing plates; positive inversion motors are fixedly connected to the two sides of the hull; gears are fixedly connected to the shaft-extension ends of the positive inversion motors; a guide plate is hinged to the bow section of the hull; a dredging plate is fixedly connected to the right end of the guide plate; and a weeding motor is fixedly connected to the bottom of the hull. The curved plates are used for scraping silt from the bottom of a river and convey the silt to the silt groove for storage. The underwater depth of the left end of the conveyor belt can be adjusted according to the water depth so that the curved plates can be always in contact with the silt on the bottom of the water, so as to improve the dredging efficiency. The dredging plate and salvaging nails are used for hooking litter from the water surface and putting the litter in the collection groove. The cutter head is used for cutting off the weed in the water.

Inventors

ZHENG JUANJUAN

Latest standardized assignees - inventors removed

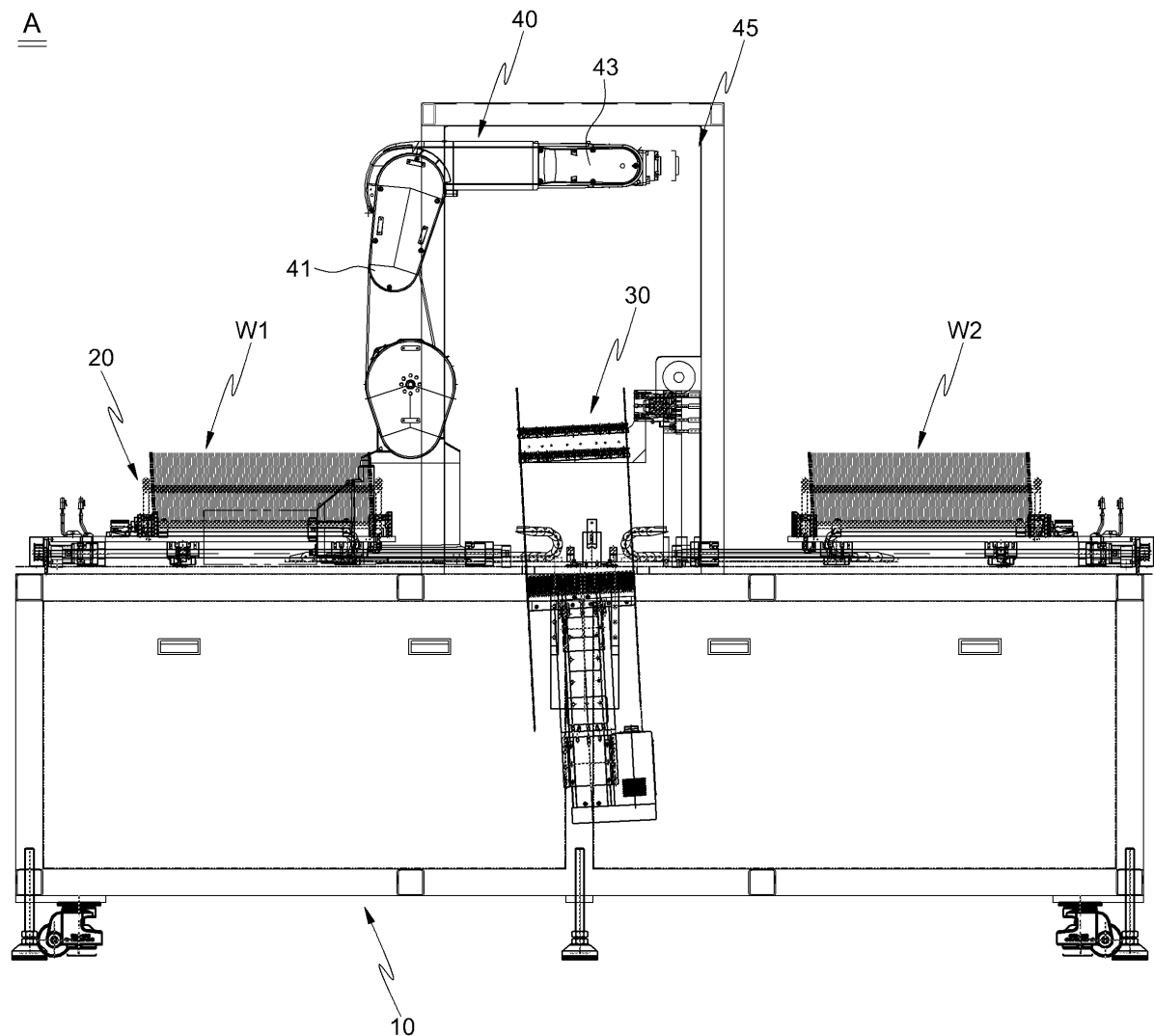
NINGBO JIANGBEI YIYING INDUSTRY & TRADE

Family 73/100 - FAMPAT - ©Questel

Title

(KR101781893)

Wafer loading device

Images**Publication numbers with kind code & date**[KR101781893](#)

B1 2017-09-26 KR101781893

**Abstract**

(KR101781893)

The present invention relates to a wafer loading device, capable of performing a chemical treatment like a diffusion process, etc. for doping a phosphor by transferring a wafer from a cassette receiving the solar wafer to a **boat** and transferring the wafer which is chemically treated to the cassette again in a manufacturing process of a solar cell, and more particularly, to a wafer loading device which includes a wafer, a cassette on which the wafers are arranged in an overlapping manner, a **boat** for chemically treating the wafer by loading the wafer, and a transfer unit to transfer the wafer. Two wafer groups composed of a plurality of wafers in one cassette are loaded on the **boat** in the overlapping manner, thereby improving the chemical treatment speed of each wafer. Accordingly, a process time can be shortened.

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Inventors

YOO, Kyungseun

SUH Chul Kyo

JEONG, JAE UK

LEE MYOUNG HO

Latest standardized assignees - inventors removed

ALP ENGINEERING

Family 74/100 - FAMPAT - ©Questel

Title

(EP-875207)

Stand alone swage apparatus

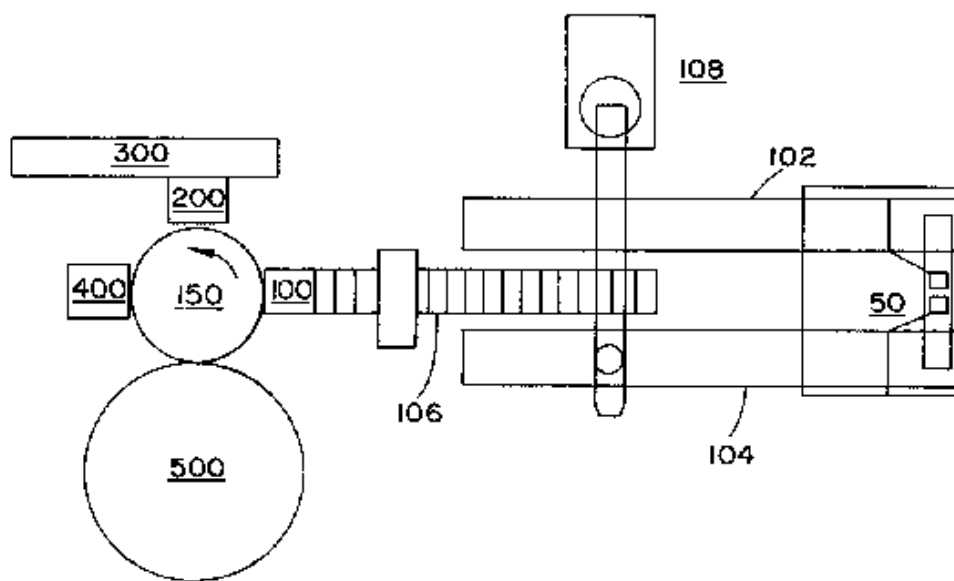
Images

FIG. 1

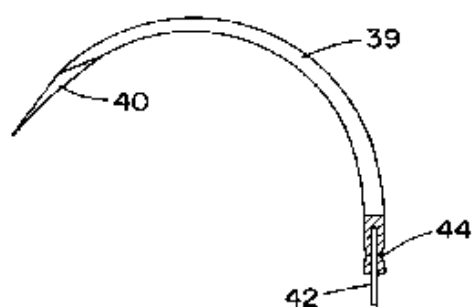


FIG. 2

Publication numbers with kind code & date

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EP1849417 A3 2011-01-12 EP1849417



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EP1849417	A2	2007-10-31	EP1849417
EP0875207	B1	2007-10-10	EP-875207
EP0875207	A3	2001-01-24	EP-875207
US6163948	A	2000-12-26	US6163948
US6115650	A	2000-09-05	US6115650
US6012216	A	2000-01-11	US6012216
EP0875207	A2	1998-11-04	EP-875207



Abstract

(EP0875207)

A semi-automated machine for singulating individual surgical needles from an bulk supply and attaching a suture to the surgical needle is described. Each of the surgical needles has a suture receiving opening formed therein for receiving a suture. The machine includes a singulation station having a sliding surface that assists an operator in singulating needles and depositing them in a pair of drop locations for subsequent automatic handling. Indexing conveyors, an articulated robot and a precision conveyor are used with a precise positioning station for orienting each needle for automatic handling. A universal gripper mounted on a rotary indexing device automatically receives each individual needle in a predetermined orientation and conveys the needle for sequential processing from station to station to form the needle-suture assembly. A suture feeding and cutting station automatically cuts an indefinite length of suture material to a definite length suture strand and automatically inserts an end of the definite length suture strand into the suture receiving opening formed in the needle. A swage station is provided for swaging the needle to close the suture receiving opening about the suture to secure said suture thereto and form therefrom a needle and suture assembly. A suture pull-test station test each needle suture bond, and selectively and destructively tests the bond for adjusting the swage dies and for statistical quality control. A final off-load station provides an apparatus for assembling a predetermined number of need-suture assemblies in a bundle for subsequent packaging.

Inventors

ESTEVEs ANTHONY

BLANCH JOHN F

DANIELE ROBERT A

DEMAREST DAVID D

SHAW TERESA

Latest standardized assignees - inventors removed

ETHICON

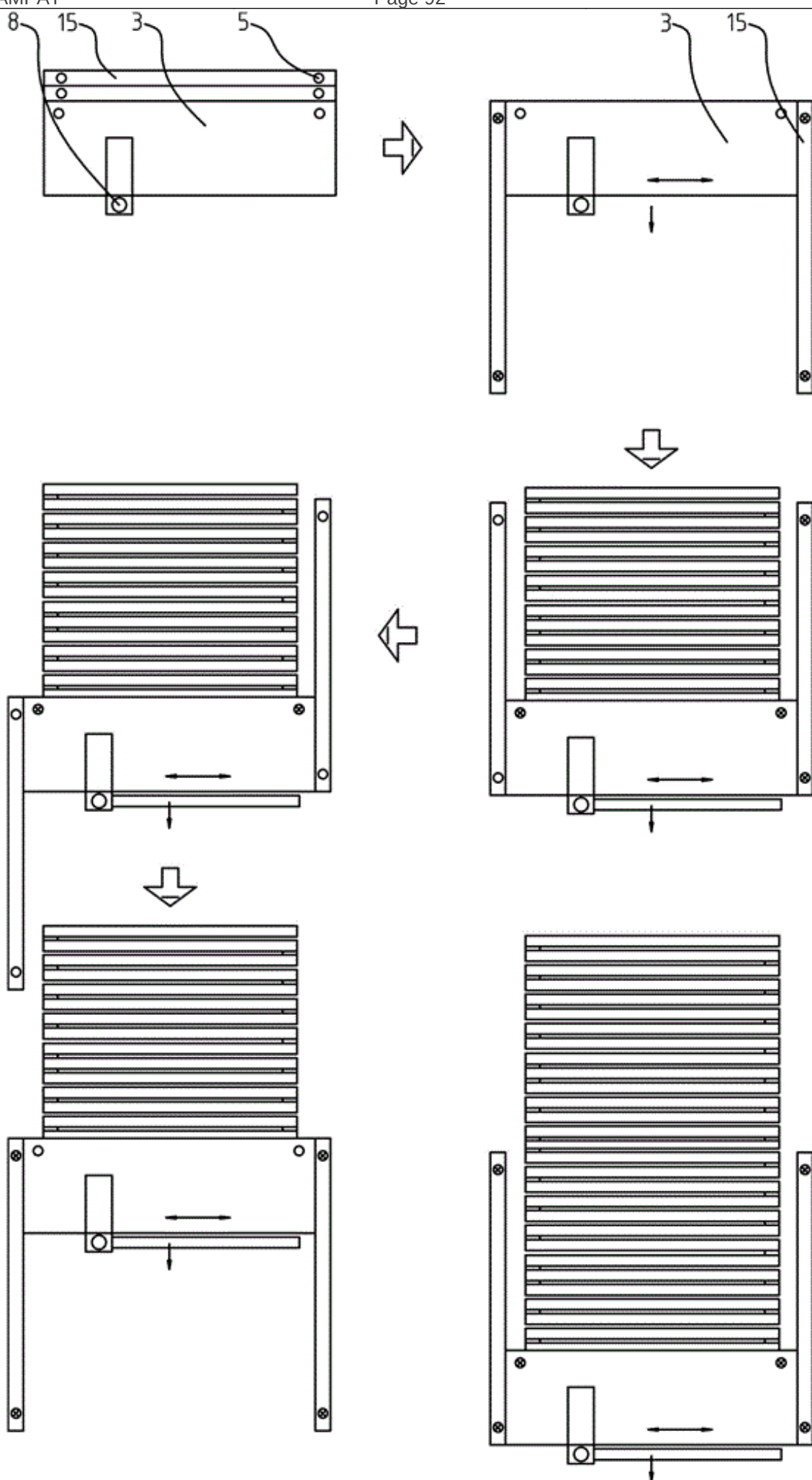
Family 75/100 - FAMPAT - ©Questel

Title

(CN109898557)

Underwater gravel base bed laying method

Images



Publication numbers with kind code & date

CN109898557 A 2019-06-18 CN109898557

**Abstract**

(CN109898557)

The invention provides an underwater gravel base bed laying method. The underwater gravel base bed laying method comprises the following steps that a hull is moved to the designed position through a winch, and the position of an articulated chute on the horizontal plane, is positioned by a GPS or a Beidou system; by adjusting rising and falling of the articulated chute, the elevation position of discharging outlet in the bottom of the articulated chute is controlled; a discharging outlet adjusting device is arranged at the bottom of the articulated chute, a dip angle adjusting oil cylinder is arranged in the discharging outlet adjusting device, and the levelness of the discharging outlet in the lowermost end of the articulated chute is adjusted; the articulated chute is filled with stone through a conveying belt, when the stone reaches the set height, a conveying trolley and the articulated chute are driven to slide in the length direction of the hull, the stone flows out from the lower part of the articulated chute, and thus a gravel ridge belt, namely a gravel base bed, is formed; after one row of gravel base bed is constructed, the position of the hull is moved, and the next row of gravel base bed is constructed; and underwater gravel base bed laying construction is achieved through the steps. Riprapping construction of the underwater gravel base bed can be achieved with the high precision and the economical cost.

Inventors

ZHANG HONG

YANG XIULI

ZHAI SHIHONG

HUA XIAOTAO

FENG XIANDAO

XU JIE

CHENG MAOLIN

WANG CONG

LIU XIUCHENG

WU ZHONGZHENG

XIA HAO

MENG KUI

ZHU MINGQING

Latest standardized assignees - inventors removed

CCCC SECOND HARBOUR ENGINEERING

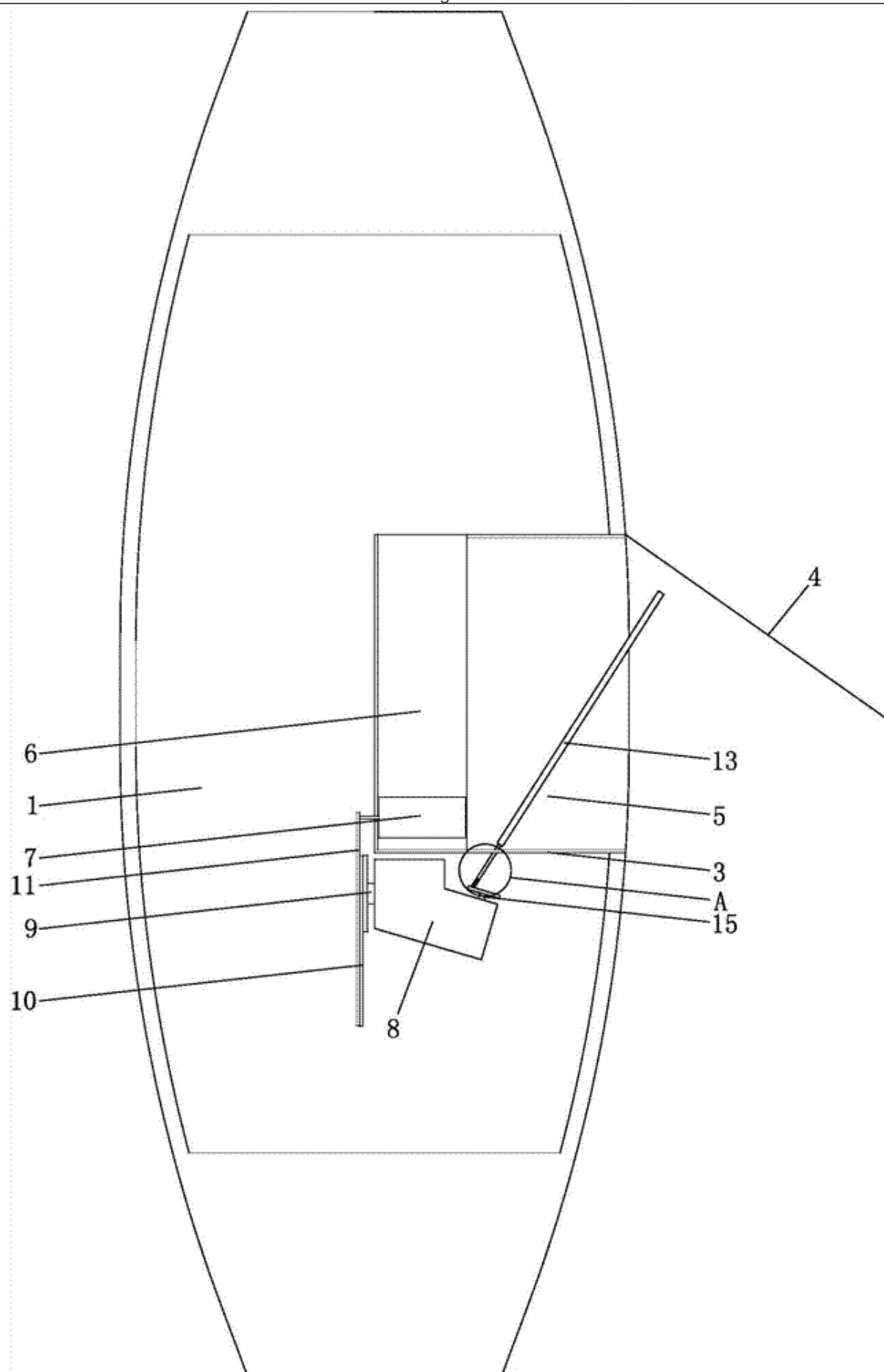
Family 76/100 - FAMPAT - ©Questel

Title

(CN206928273U)

Water surface garbage cleaning boat

Images

**Publication numbers with kind code & date**[CN206928273](#)

U 2018-01-26 CN206928273U

**Abstract**

(CN206928273)

The utility model provides a water surface garbage cleaning **boat** belongs to boats and ships technical field. It has been solved current water surface garbage cleaning **boat** application scope and little and can't lead to the problem that clearing **boat** work efficiency is low to rubbish compress. This water surface garbage cleaning **boat**, include the hull that has the border all around, the side of hull has the opening that is less than the surface of water and sets up along the department, the opening part has the inside drainage **plate** that upwards extends, the both sides of drainage **plate** are equipped with respectively and are used for preventing that water from entering into the curb **plate** in the hull, the opening part still is equipped with and extends to drawing in the net of the hull outside, the top of drainage **plate** is equipped with inside tilt up's guide **plate**, the inner of guide **plate** is connected with the guide slot that is located the drainage **plate** top, be equipped with in the guide slot and be used for pushing the top of guide slot one end to and pushing away the structure entering into rubbish in the guide slot, still be equipped with on the hull and be used for the scraping into the structure in the guide slot is scraped to the guide **plate** of rubbish on the surface of water. The utility model has the advantages of application scope broadens, can effectively collect rubbish compress.

Inventors

YANG ZHENGGUI

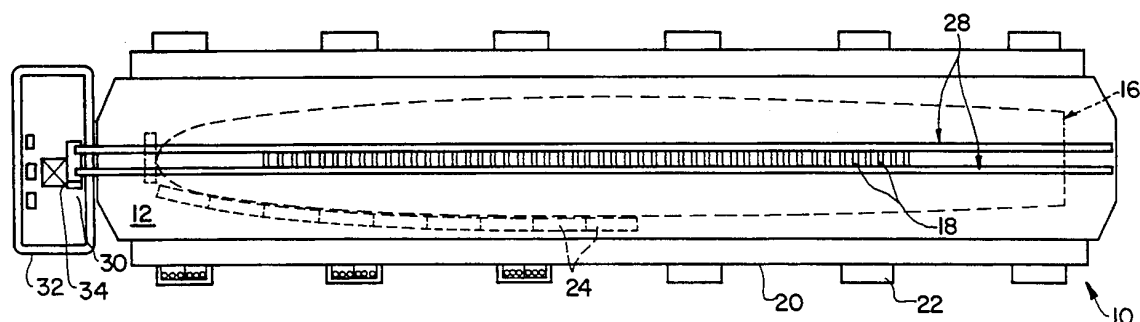
Family 77/100 - FAMPAT - ©Questel

Title

(EP-639429)

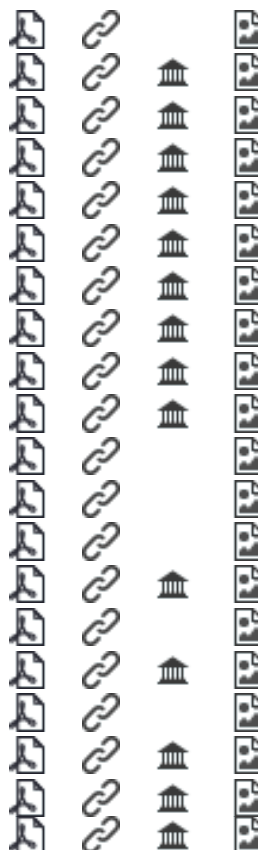
Apparatus and method for performing external surface work on ship hulls

Images



Publication numbers with kind code & date

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EP0639429	A1	1995-02-22	EP-639429				
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FI943526	A	1995-01-31	FI9403526				
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FI943526	A0	1994-07-27	FI9403526				
NO942249	D0	1994-06-15	NO9402249				

Abstract

(EP0639429)

Dry, particulate abrasive for use in abrasive blast cleaning of a ship hull (16,26) is supplied to blasting pots (36) from abrasive supply hopper assemblies (38,40) lifted into place from a recycling station (34). Spent abrasive, with debris, is collected and placed on a **conveyor belt** (28) extending parallel to the keel blocks (18), for conveying the collected material to the recycling station (34). There, the collected material is processed to remove undersized and foreign material from the reuseable abrasive grit. The latter is loaded into supply hopper assemblies (38,40), which are crane-lifted back into supplying relation with respective blasting pots (36). By preference, the abrasive blasting work takes place from elevatable, curtain-enclosed platforms (70) supported on a drydock floor (12), the blasting pots (36) are located on the drydock wing wall (14), the abrasive grit is ferromagnetic and recovered from the drydock floor (12) partly with the aid of a magnetic abrasive pick-up unit (112), and the recycling station (34) is located on a barge (32) moored at an end of the drydock (10). (see diagramm 1 page 0)

Inventors

GOLDBACH RICHARD A

WAGNER WILLIAM A

MCCONNELL FRANK E

HOFFMAN JOSEPH H

Latest standardized assignees - inventors removed

METRO MACHINE

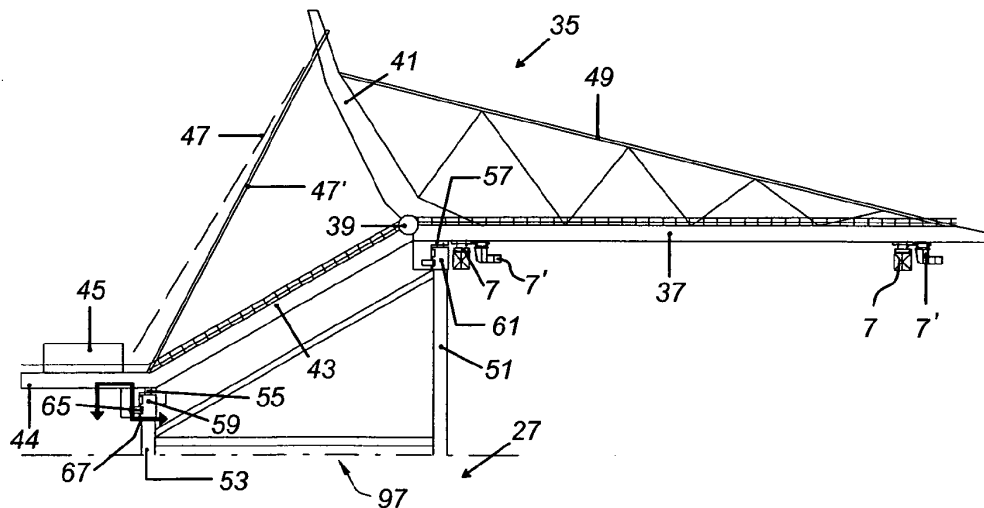
Family 78/100 - FAMPAT - ©Questel

Title

(EP2670691)

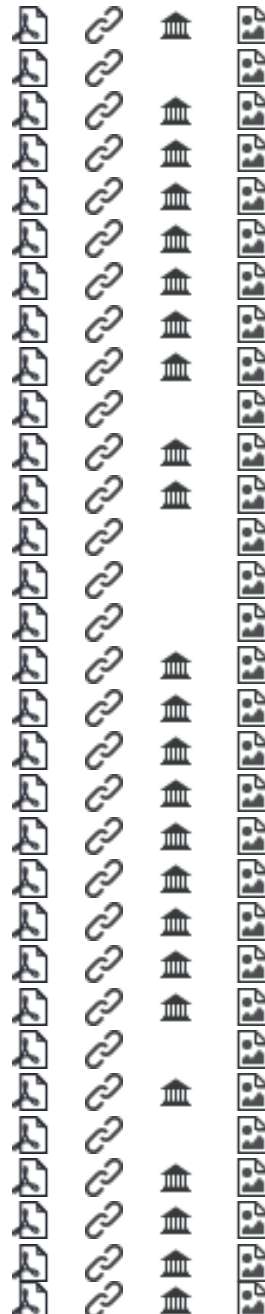
Unloading and loading crane arrangement and assembly of two unloading and loading crane arrangements

Images



Publication numbers with kind code & date

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CN103459279	A	2013-12-18	CN103459279
EP2670691	A2	2013-12-11	EP2670691
EP2670692	A2	2013-12-11	EP2670692
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WO2012/105841	A3	2012-09-20	WO2012105841
CA2825045	A1	2012-08-09	CA2825045



[WO2012/105841](#)

A2 2012-08-09 WO2012105841

[WO2012/105842](#)

A2 2012-08-09 WO2012105842

**Abstract**

(EP2670691)

The invention relates to an unloading and loading crane arrangement (35) with a boom (37), in particular a projecting boom, for loading and unloading a ship using a gripper(7) attached to the boom, which boom is hingedly connected to an arm (43) via a hinge point, wherein the arm is placed on at least one landside guide (59) and one waterside guide (61), wherein the waterside guide is placed at a higher level than the landside guide. The invention furthermore relates to an assembly of two or more such unloading and loading crane arrangements.

Inventors

KOCH FRANCISCUS

Latest standardized assignees - inventors removed

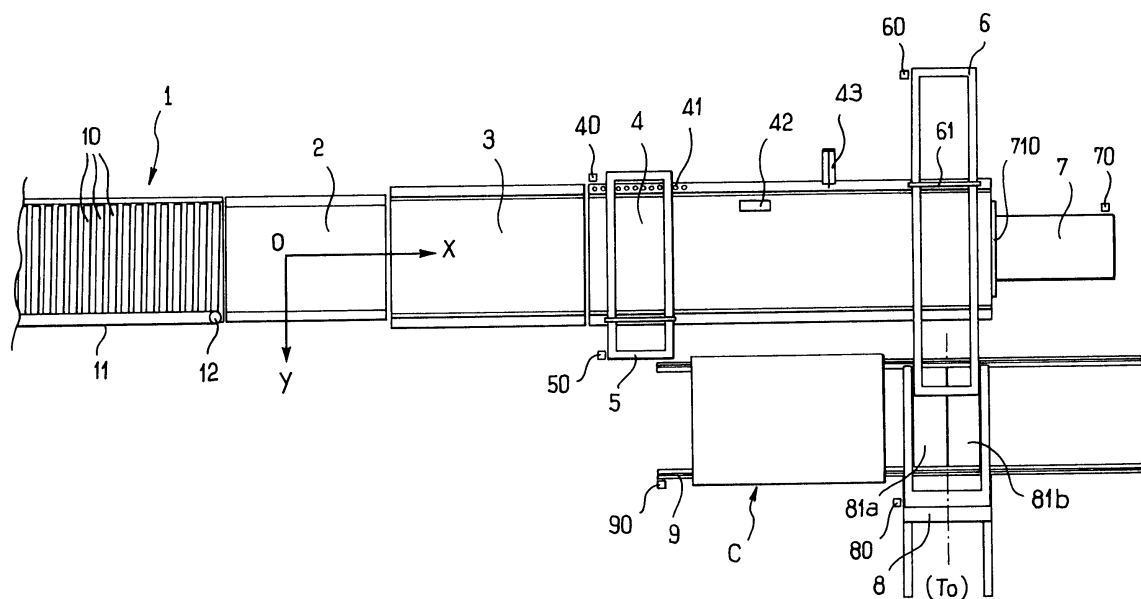
RAADGEVEND INGENIEURSBURO F KOCH

Family 79/100 - FAMPAT - ©Questel

Title

(FR2743776)

Method of placing document packets in containers

Images**Publication numbers with kind code & date**[FR2743776](#)

B1 1998-04-10 FR2743776

[FR2743776](#)

A1 1997-07-25 FR2743776

**Abstract**

(FR2743776)

The method involves feeding the packets in line but spaced on a horizontal **conveyor belt** (4) so that one of the sides is parallel to the axis of the **conveyor**. During conveying, the dimensions (x,y) of the longitudinal and transverse sides of each packet are measured. Successive packets come into contact at the downstream part of the **conveyor**, with a pusher (7) which can move longitudinally in the reverse direction to the **conveyor**. the pusher adjusts the position of the packets centrally with respect to a hopper with an open base which overhangs the container and which is lowered into it to fill the container.

Inventors

MARQUET DANIEL

Latest standardized assignees - inventors removed

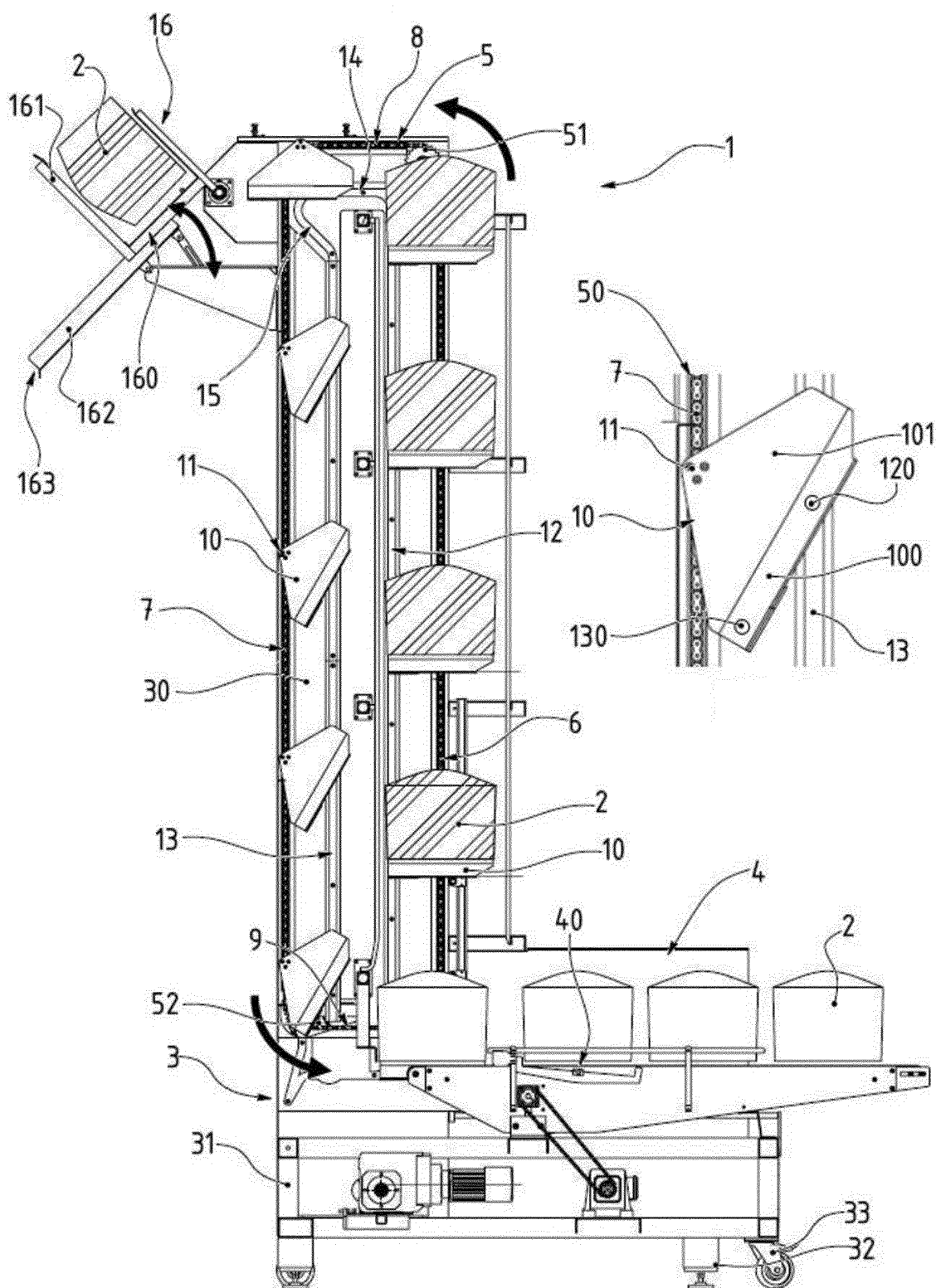
ARMORICAINE DE MANUTENTION AUT

Family 80/100 - FAMPAT - ©Questel

Title

(FR3010062)

Supply device of a press in fruit

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

FR3010062 B1 2016-02-26 FR3010062

FR3010062 A1 2015-03-06 FR3010062



Abstract

(FR3010062)

The present invention relates to a supply device (1) of a press in fruit, comprising a structure (3) equipped with a conveyor (5) in the form of an endless chain (50) extending at a first vertical strand ascending (6) and descending vertical (7) a second strand, including plates (10) for receiving boxes (2), each being mounted in an articulated manner on said chain (50) about a point of rotation (11), characterized by the fact that it comprises means for guiding each tray (10) at least consist of a first upward (12) guide rail cooperating with a first lug (120) fitted to each tray (10) and a second guide rail descending (13) cooperating with a second lug (130) fitted to each tray (10), and by the fact that the spacing between said first strand (6) and said first rail (12) and the distance between said point of rotation (11) and said first lug (12) are determined in order to maintain horizontal said tray (10) along said first strand (6), while the spacing separating said second strand (7) and said second rail (13) and the distance between said point of rotation (11) and said second lug (130) are determined for biasing said tray (10) along said second strand (7).

Inventors

MASSET JEAN-PIERRE

Latest standardized assignees - inventors removed

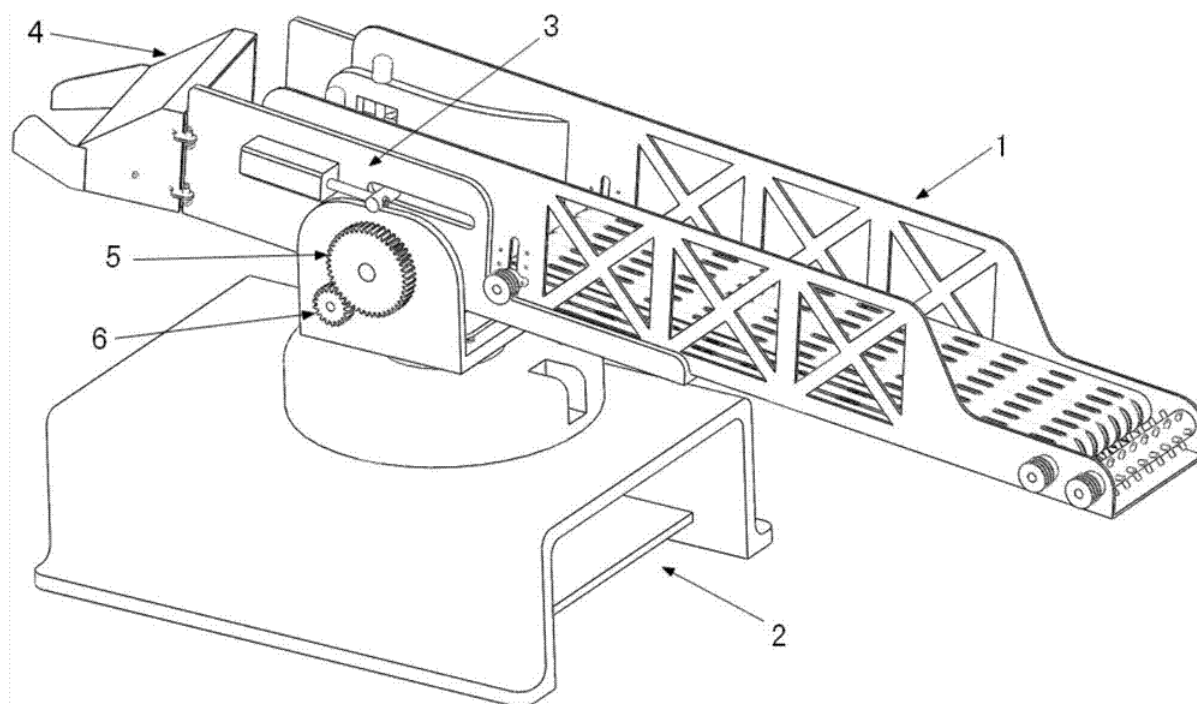
LES PRESOIRS COQUARD

Family 81/100 - FAMPAT - ©Questel

Title

(CN108005044)

Rotary telescopic water hyacinth salvaging machine with crushing function

Images**Publication numbers with kind code & date**[CN108005044](#) A 2018-05-08 CN108005044**Abstract**

(CN108005044)

The invention discloses a rotary telescopic water hyacinth salvaging machine with a crushing function. The rotary telescopic water hyacinth salvaging machine comprises a salvaging device and a rotary base; a slide base is hinged to the rotary base; the salvaging device is connected into the slide base; a crushing assembly is rotatably connected to a tail end of the slide base; and the slide base rotates on the rotary base in a gear transmission mode. The rotary telescopic water hyacinth salvaging machine has the advantages that the machine can be assembled on various boats; the machine can be driven to work by an engine on a boat body, so that a single conveying boat is changed into a salvaging boat; the rotary

base which is controlled by a motor and the telescopic salvaging device are arranged, so that the salvaging device is flexible and diversified, the range of salvaging is expanded; a liftable conveying device and a toothed rotary post are arranged in a conveying shell, so that the phenomenon of clogging is prevented during a salvaging and conveying process of water hyacinth; and the crushing assembly is movably connected to the tail end of the slide base, so that the salvaged water hyacinth is crushed in time, and subsequent work load is reduced.

Inventors

MA JIANJIAN

Latest standardized assignees - inventors removed

HUZHOU LUOFU TECHNOLOGY

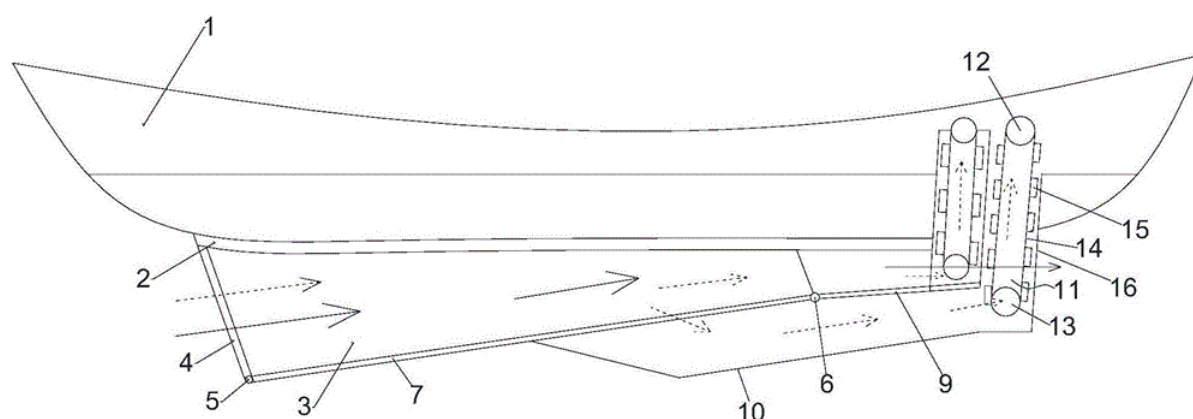
Family 82/100 - FAMPAT - ©Questel

Title

(CN109197800)

Jellyfish catching vessel and jellyfish rough processing method

Images



Publication numbers with kind code & date

[CN109197800](#) A 2019-01-15 CN109197800



Abstract

(CN109197800)

The invention discloses a jellyfish catching vessel and a jellyfish rough processing method. The catching vessel comprises a hull, installation plates, a telescopic rod, a first cross rod, a second cross rod, a plurality of sliding rod, cutters and a first partition plate, wherein the installation plates are arranged at the bottom of the hull, two sides of the installation plates are respectively provided with two side plates extending downwards, and the two side plates are matched with the installation plates to form a water flow channel with one side being arranged in the front-and-back direction of the hull; one end of the telescopic rod is installed at the front ends of the installation plates, and the other end is provided with the first cross rod; two ends of the first cross rod are slidably connected with the two side plates respectively in the vertical direction; two ends of the second cross rod are respectively arranged at the rear ends of the two installation plate; one end of each sliding rod is articulated with the first cross rod, and the other end is articulated with the second cross rod; the distance between two adjacent sliding rods gradually decreases in the direction from front to back; each cutter is arranged between two adjacent sliding rods, and the cutters are located at the rear ends of the sliding rods; and the first partition plate is arranged at the rear ends of the two side plates and forms a jellyfish skin channel together with the two side plates and the installation plates. The jellyfish catching vessel can shorten the time from catching to processing of jellyfish.

Inventors

QU ZHENHUI

QU LINJIANG

QIN GUANGYUAN

Latest standardized assignees - inventors removed

SHANDONG QUJI BIOTECHNOLOGY

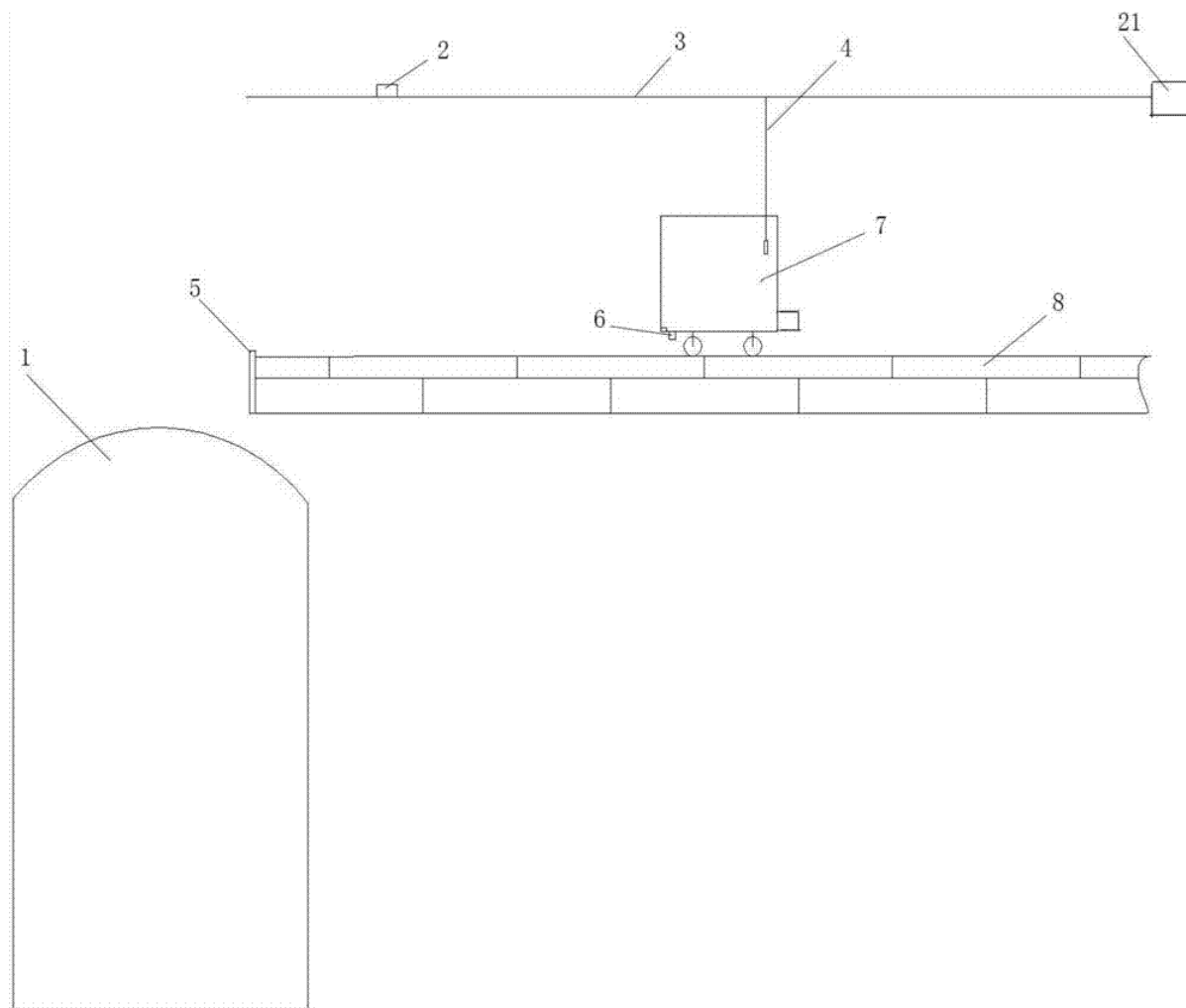
Family 83/100 - FAMPAT - ©Questel

Title

(CN207346632U)

Be applied to rubbish conveyer of pyrolysis oven material loading

Images



Publication numbers with kind code & date

[CN207346632](#) U 2018-05-11 CN207346632U



Abstract

(CN207346632)

The utility model discloses a be applied to rubbish conveyer of pyrolysis oven material loading, including dumper, power pack, still including **boat** rail, inductor, cpu controller, pull rod, electro -magnet part, the front bezel of dumper is divided into two and is **articulated** with adjacent curb **plate** respectively as bin outlet, this front bezel, the electro -magnet part combines just be in on the dumper the department is cut apart to the curb **plate**, the suspension of **boat** rail is in the top of dumper, this dumper is in remove in the stroke of **boat** rail, the pull rod both ends are connected respectively **boat** rail, dumper, the inductor set up in the **boat** is on the rail and is connected with the cpu controller, and this inductor is used for responding to the operation position of dumper and by the cpu controller make the parking, the instruction starts, unloads. The utility model has the advantages of transport convenient, work efficiency is high, degree of automation is high.

Inventors

YIN WEIFENG

Latest standardized assignees - inventors removed

GUANGXI XINING ENVIRONMENT TECHNOLOGY DEVELOPMENT

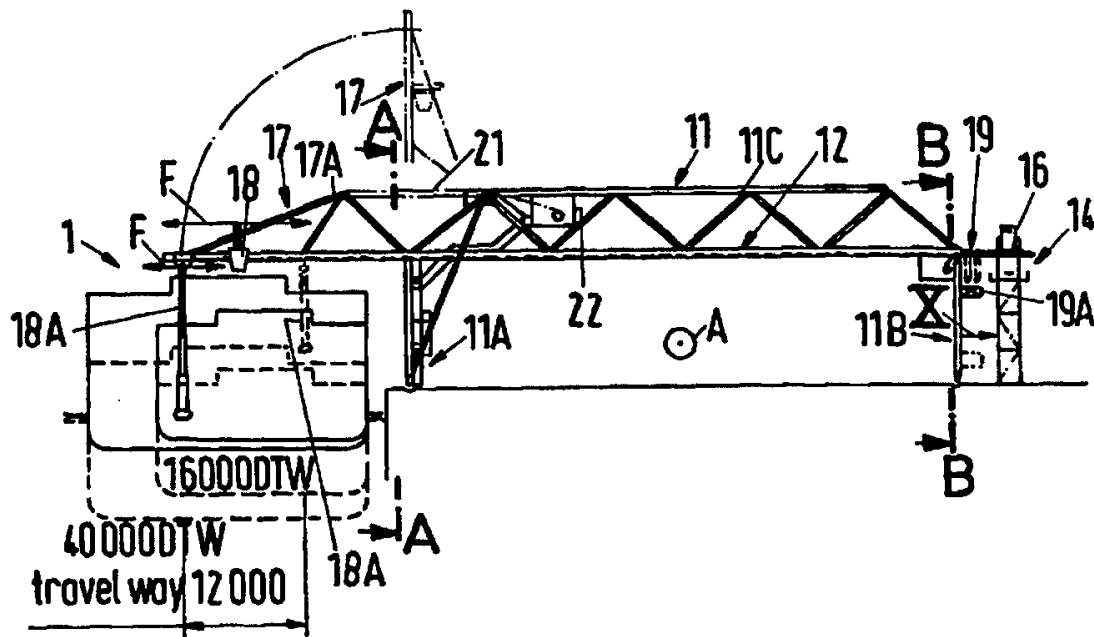
Family 84/100 - FAMPAT - ©Questel

Title

(WO9513979)

Loading and unloading system for ships and similar large capacity transport vehicles

Images



Publication numbers with kind code & date

ZA9409125	B	1996-05-17	ZA9409125
ZA9409126	B	1996-05-17	ZA9409126
AU8142894	A	1995-06-06	AU9481428
WO95/13979	A1	1995-05-26	WO9513979
DE4432772	A1	1995-05-24	DE4432772
DE4432773	A1	1995-05-24	DE4432773



Abstract

(WO95/13979)

The proposed loading and unloading system for ships (1) and similar large capacity transport vehicles comprising at least a conveyor bridge or pipe bridge (11) with a raising and lowering extension arm (17) and with at least one conveyor means extending lengthwise such as a band conveyor (12) or conveyor pipe for batches of cargo (7). Loading and unloading systems of this type have, on the one hand, a principal supporting structure to bridge the span distance and, on the other, a loading and unloading device mounted on the supporting structure. In order to achieve a considerable improvement in simplicity of construction and a reduction in weight, it is envisaged that for loading, a loading or unloading head (18, 18A) is provided on the side towards the ship or large capacity transport vehicle in question. The said loading or unloading head can travel along the extension arm (17). The raising and lowering extension arm (17) cannot travel along the conveyor bridge or pipe bridge (11), i.e. the loading and unloading device has a fixed anchor point in relation to the conveyor bridge or pipe bridge (11).

Inventors

AREND JUERGEN

FITSCH THOMAS

SCHWARZ WOLFGANG

STECKEL HORST

Latest standardized assignees - inventors removed

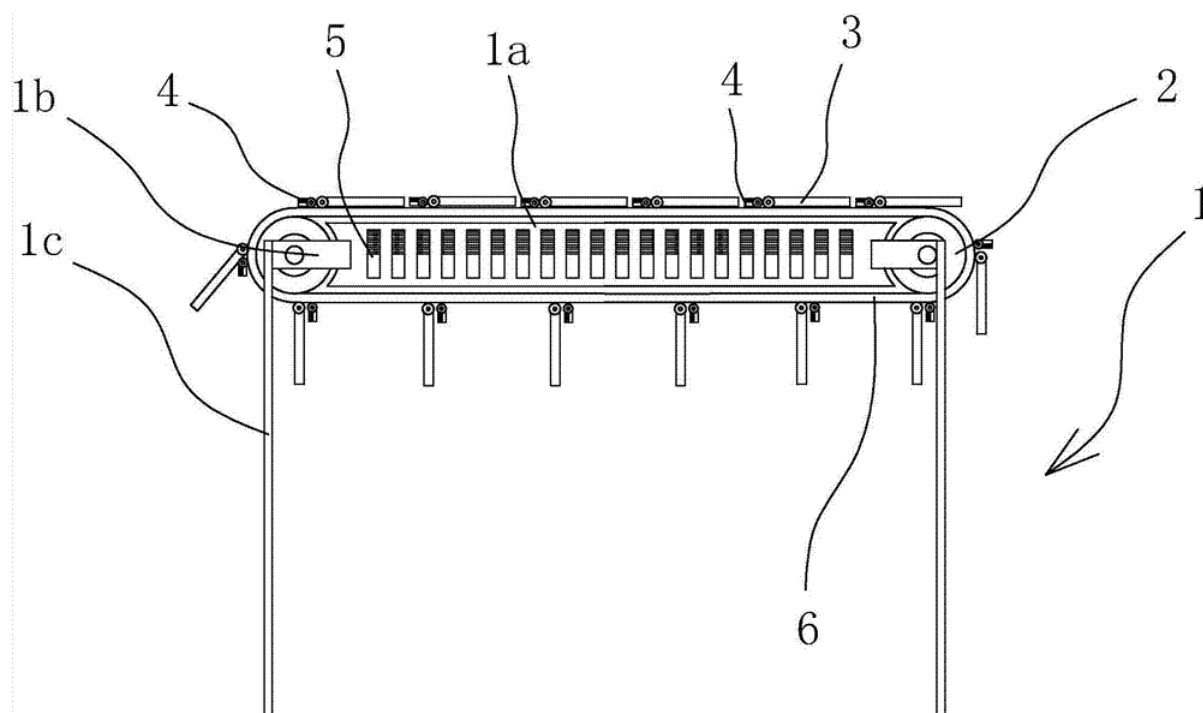
PWH ANLAGEN & SYSTEME

Family 85/100 - FAMPAT - ©Questel

Title

(CN106762351)

Wharf capable of generating electricity by utilizing ocean current

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

CN106762351	B	2018-09-25	CN106762351B
CN106762351	A	2017-05-31	CN106762351

**Abstract**

(CN106762351)

The invention provides a wharf capable of generating electricity by utilizing ocean current, belongs to the technical field of machinery and solves the problems that an existing wharf is simplex in function and poor in utilization rate of sea wave energy. The wharf capable of generating electricity by utilizing the ocean current comprises a supporting frame and two generators; the two generators are separately connected to the two ends of the supporting frame; each generator comprises a stator shaft, a shell and a rotor; each rotor is fixedly connected with the corresponding shell; the stator shafts of the two generators are arranged in parallel with each other; the wharf also comprises driving belts, wherein each driving belt is arranged around the corresponding generator and is capable of driving the corresponding shell to rotate about the corresponding stator shaft; each driving belt is provided with a plurality of driving plates along the driving direction; one end of each driving plate is articulated with the corresponding driving belt; one side of each driving plate is provided with a baffle; and each driving plate can lean against the corresponding baffle when being vertical. The wharf provided by the invention can be used as a normal wharf, can also realize electricity generation by utilizing the ocean current when not landed or used in an idle state, is multi-functional and fully utilizes ocean resources.

Inventors

PAN HONGJUN
WANG GUANGWEI
ZHU SHIQIANG

Latest standardized assignees - inventors removed

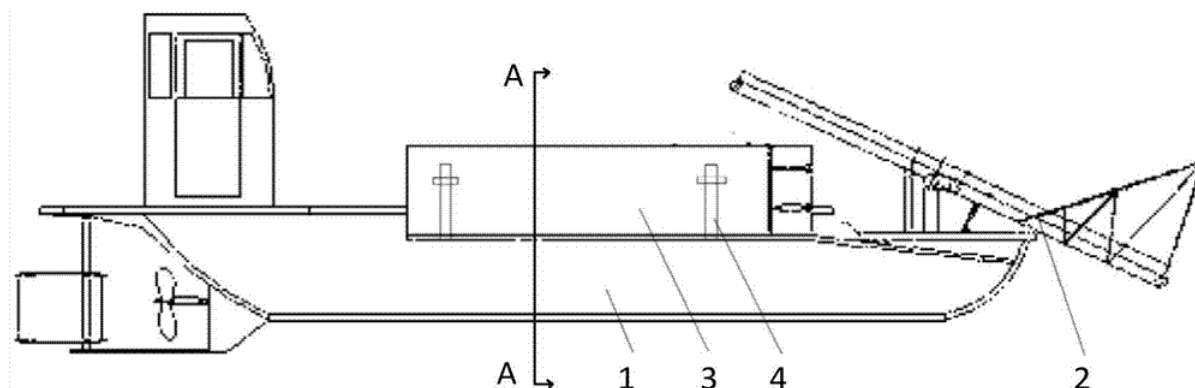
ZHEJIANG OCEAN UNIVERSITY

Family 86/100 - FAMPAT - ©Questel

Title

(CN109050810)

water surface garbage cleaning garbage boat

Images**Publication numbers with kind code & date**[CN109050810](#)

A

2018-12-21

CN109050810

**Abstract**

(CN109050810)

The invention discloses a water surface garbage cleaning garbage **boat**, belonging to the field of water surface garbage cleaning machinery. The **boat** comprises a hull, a conveying device, a storage box and a plurality of slide rail devices, wherein the conveying device is installed at the front end of the hull, and the slide rail devices are respectively arranged on the hull deck in parallel; The sliding rail device comprises a first sliding rail and a second sliding rail, wherein the longitudinal direction of the first sliding rail is perpendicular to the front of the hull, one end of the first sliding rail is hinged with one end of the second sliding rail, and the first sliding rail and the second sliding rail are provided with sliding grooves; A low end face of that storage box is provided with a moving wheel which is arranged in the sliding groove of the first slide rail and moves along the length direction of the sliding groove; The invention solves the technical problem that the garbage collection and placing cabin need to be cleaned manually when the garbage is landed, which affects the continuous work of the garbage cleaning ship, reduces the working efficiency, increases the manpower of the garbage cleaning ship and increases the human cost at the same time.

Inventors

WU JINDE

LI HAISEN

WU HANGYU

LI JIANHUA

BIN DONGCHENG

LIANG HUANYONG

CHEN JIANHUA

ZHOU WENQING

Latest standardized assignees - inventors removed

GUIPING DAZHONG SHIP REPAIR MANUFACTURE YARD

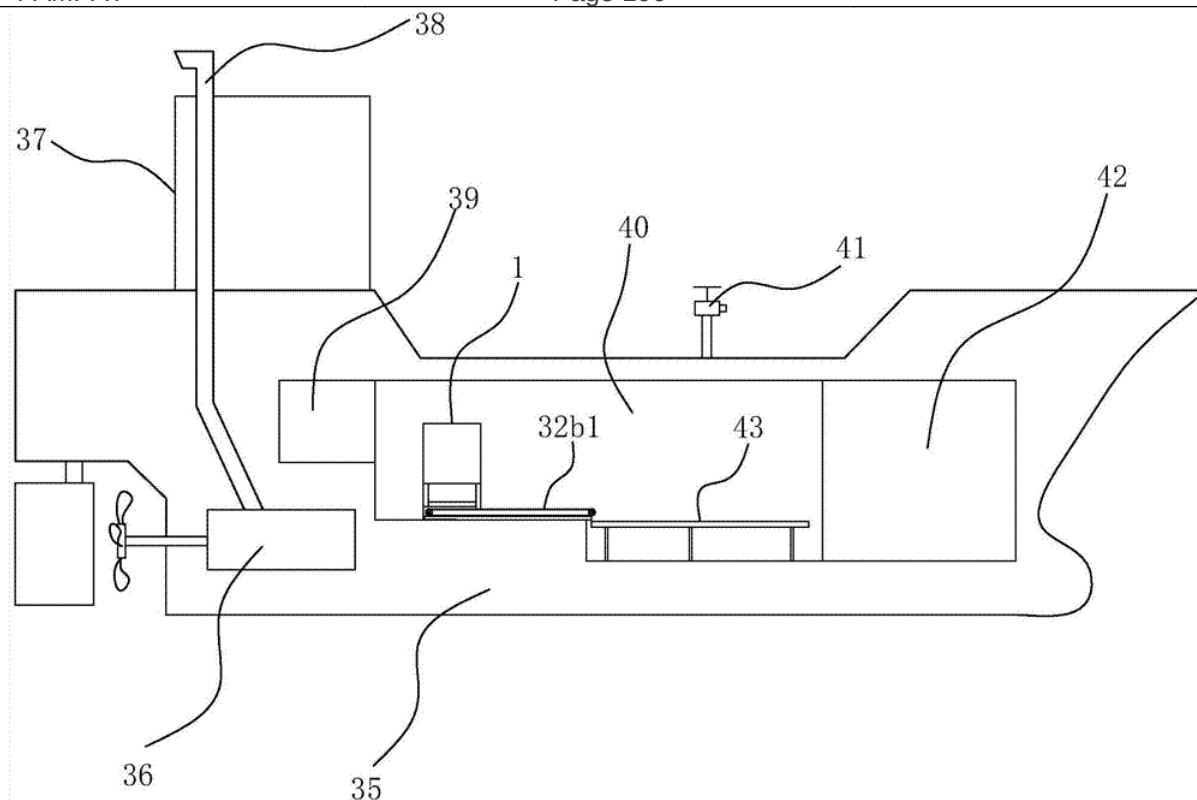
Family 87/100 - FAMPAT - ©Questel

Title

(CN106184635)

Squid fishing ship

Images



Publication numbers with kind code & date

CN106184635	B	2018-02-27	CN106184635B
CN106184635	A	2016-12-07	CN106184635



Abstract

(CN106184635)

The invention provides a squid fishing ship, and belongs to the technical field of ships. The squid fishing ship comprises a ship body, a ventilating cowl is arranged over the ship body, a main engine, a fresh water tank and a refrigeration house are arranged in the ship body, and a processing workshop is also arranged in the ship body; a squid steaming machine and a packaging workbench are arranged in the processing workshop, the squid steaming machine comprises a steaming box with an opening formed in the upper end, a plurality of air nozzles are arranged at the upper end of the steaming box and communicated with an air outlet of a first fan through an air delivery pipe, and an air inlet of the first fan is communicated with the ventilating cowl through an air inlet pipe; a water supplementing pipe is arranged at the upper end of the steaming box, one end of the water supplementing pipe is located in the steaming box, a water spray nozzle is arranged at the end of the water supplementing pipe, the other end of the water supplementing pipe is communicated with one end of a second delivery pipe, one end of the second delivery pipe is communicated with a water outlet of a second water pump, a water inlet of the second water pump is communicated with the fresh water tank through a first delivery pipe, and an exhaust air heating pipe is arranged at the bottom of the steaming box. The squid fishing ship has the advantages of being high in working efficiency, capable of saving energy and the like.

Inventors

YU JUN

WU ZHANCHUN

FANG XUBO

JIN QIAN

YUAN GAOFENG

Latest standardized assignees - inventors removed

ZHEJIANG OCEAN UNIVERSITY

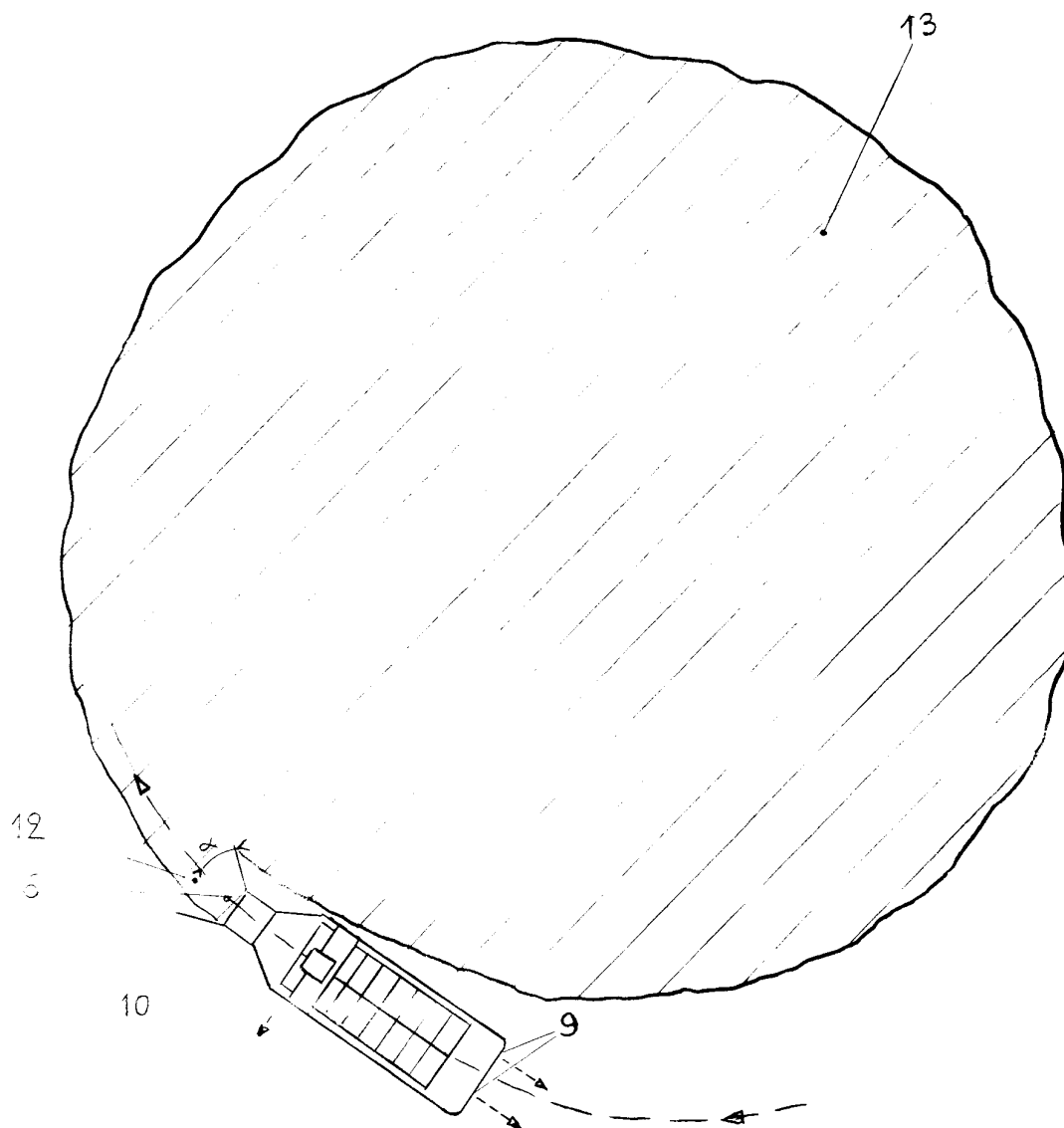
Family 88/100 - FAMPAT - ©Questel

Title

(FR2805241)

Specialist vessel designed to pick up floating material at the bow includes high maneuverability steering systems, heated scooping equipment and temporary on-board storage

Images



Publication numbers with kind code & date

FR2805241	B1	2002-07-26	FR2805241
FR2805241	A1	2001-08-24	FR2805241



Abstract

(FR2805241)

Specialized **boat** the gathering of floating matter and more especially to the petroleum hydrocarbons. The invention relates to: a device which can be converted into the frontal Pwheel funnel-scoop equipped with tools for picking up the most appropriate; of propulsion devices-control surface in normal navigation and more appropriate to slow and precise maneuvers pickup; of the storage devices to edge in removable of the road to the template; generating to edge of pressurized hydraulic fluid supplying energy for the propulsion, the pickup machines, the prow maneuvers, the locks; the navigation station and maneuvers located in height and on the front of the **boat**; the (or the) shell jacket compartmentalised of unsinkable, lined with rigid cellular material by inert gas pressurizable rotproof.

Inventors

LELONG FRAISSE BERNARD ALBERT

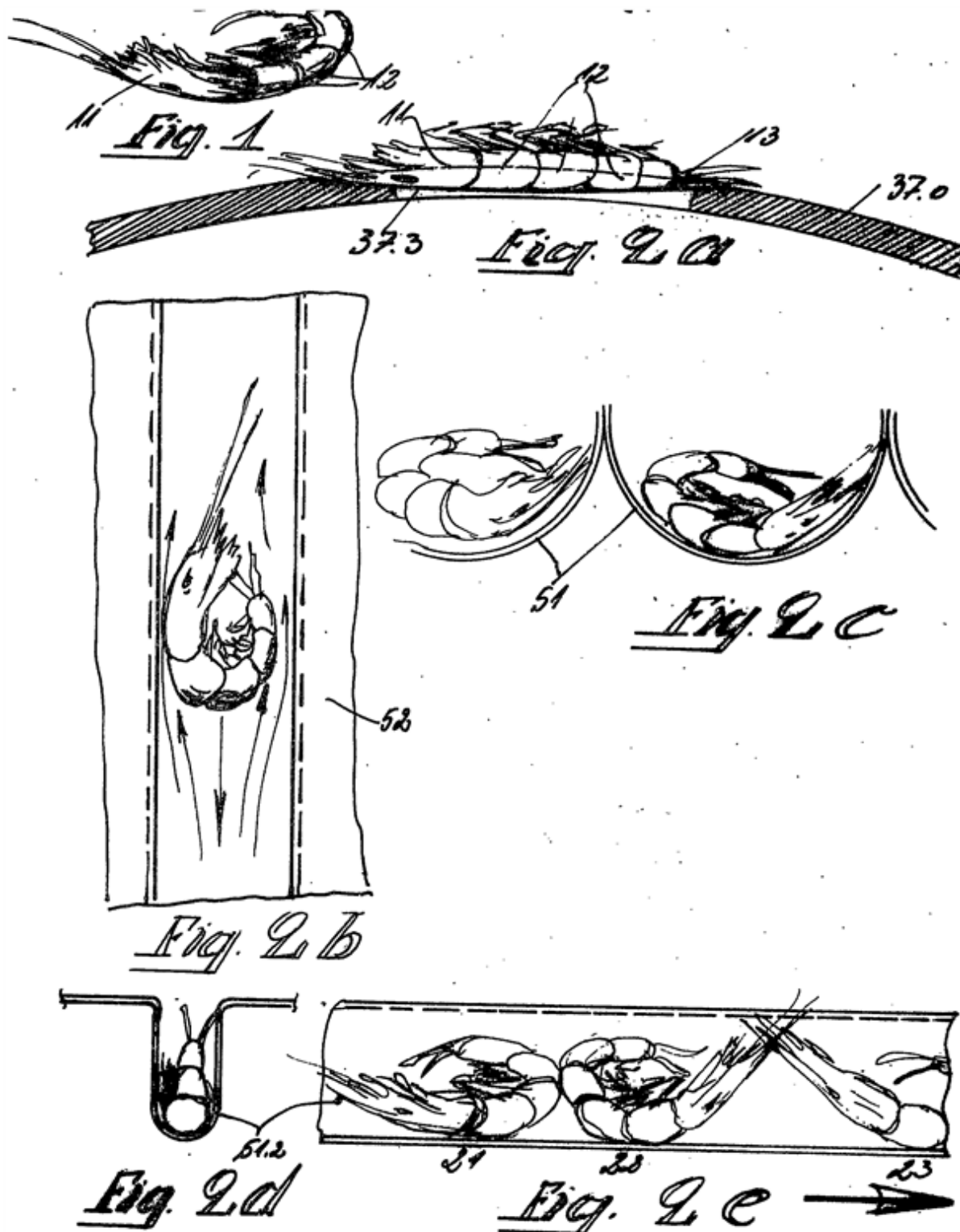
Family 89/100 - FAMPAT - ©Questel

Title

(FR2282231)

FULLY AUTOMATIC MACHINE FOR THE PREVIOUSLY COOKED SHRIMP SHELLING

Images

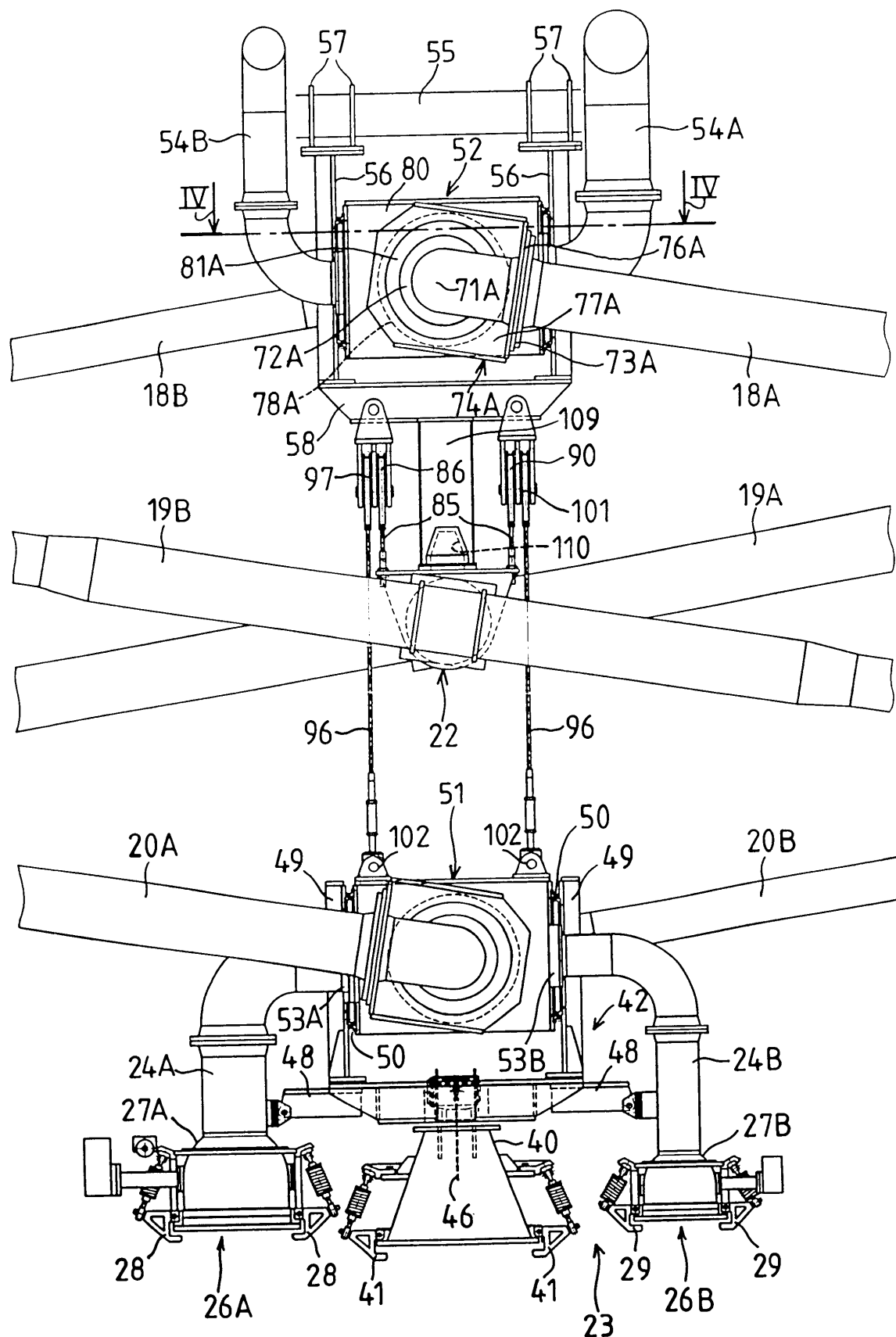


Blatt 1.

NL167300	C	1981-12-16	NL-167300
NL167300	B	1981-07-16	NL-167300
FR2282231	B1	1978-10-13	FR2282231
DE2439651	B2	1977-03-10	DE2439651
GB1440906	A	1976-06-30	GB1440906
FR2282231	A1	1976-03-19	FR2282231
DE2439651	A1	1976-03-11	DE2439651
NL7411788	A	1976-02-23	NL7411788
DK503374	A	1976-02-20	DK7405033
BE820980	A	1975-02-03	BE-820980



Images



Publication numbers with kind code & date

BR0011222	B1	2010-07-13	BR200011222
BRPI0011222	A2	2010-06-22	BR200011222
CA2371529	C	2009-07-14	CA2371529
JP4197848	B2	2008-10-10	JP4197848
IN215966	B	2008-03-31	IN-215966
IN1682/CHENP/2001	A	2007-04-20	IN2001CN01682
KR100628671	B1	2006-09-27	KR100628671



NO322315	B1	2006-09-11	NO-322315				
DE60004661	T2	2004-06-17	DE60004661				
ES2206226	T3	2004-05-16	ES2206226				
CN1131169	C	2003-12-17	CN1131169C				
DE60004661	D1	2003-09-25	DE60004661				
AT247598	T	2003-09-15	ATE247598				
EP1181238	B1	2003-08-20	EP1181238				
AU759005	B2	2003-04-03	AU-759005				
YU78401	A	2003-02-28	YU200100784				
ZA200108817	B	2003-02-20	ZA200108817				
JP2002543011	A	2002-12-17	JP2002543011				
MXPA01011040	A	2002-07-22	MX2001PA011040				
CN1349476	A	2002-05-15	CN1349476				
BR0011222	A	2002-03-19	BR200011222				
BRPI0011222	A1	2002-03-19	BRPI0011222				
EP1181238	A1	2002-02-27	EP1181238				
KR20020014792	A	2002-02-25	KR20020014792				
US6343620	B1	2002-02-05	US6343620				
NO20015370	D0	2001-11-02	NO200105370				
FR2793235	B1	2001-08-10	FR2793235				
NO20015370	L	2001-01-02	NO20015370				
AU4305900	A	2000-11-17	AU200043059				
FR2793235	A1	2000-11-10	FR2793235				
CA2371529	A1	2000-11-09	CA2371529				
WO00/66484	A1	2000-11-09	WO200066484				

Abstract

(EP1181238)

The device for transmission between a jib comprising at least one pipe section (54a, 54b) fixed to said jib (12) and a coupling section comprises a network of **articulated** concertina or diamond-shaped **articulated** pipe sections which can be deformed and are actuated by a cable and at least one pipe section (24a, 24b) joined by coupling. Each section that is fixed to the jib or joined by coupling is joined to one end of the network by means of an elbow and pivoted connections (53a, 53b) whereby the elbow is fixed to a support (51) suspended on the jib. Each end of the network is fixed to a support (74a) which is moveably and rotationally mounted by means of a bearing (78a) on the support of the elbow to which the end is joined in a concentric position with respect to the joint (72a) connecting the end to said elbow. The invention can be used to transfer natural liquefied gas from a platform in the sea to a tanker.

Inventors

LE DEVEHAT EUGENE

LE DEVEHAT RENAUD

Latest standardized assignees - inventors removed

FMC TECHNOLOGIES

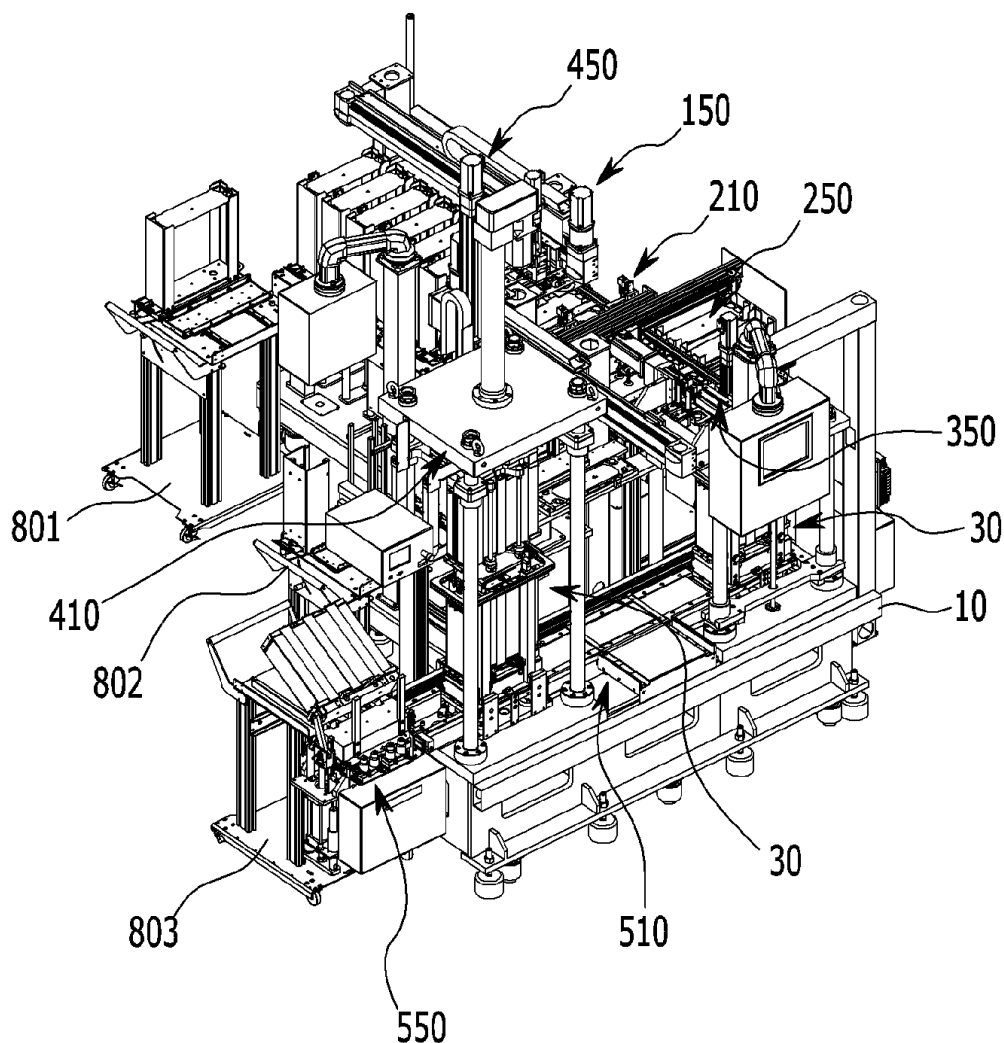
Family 91/100 - FAMPAT - ©Questel

Title

(US20190252712)

Apparatus for rapidly stacking fuel cell stack using automatic stacking and pressurization of fuel cell components

Images

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

US20190252712	A1	2019-08-15	US20190252712
US10312543	B2	2019-06-04	US10312543
US20180219243	A1	2018-08-02	US20180219243
US9954244	B2	2018-04-24	US9954244
KR101734269	B1	2017-05-11	KR101734269
CN106252698	A	2016-12-21	CN106252698
KR20160144835	A	2016-12-19	KR20160144835
DE102015218117	A1	2016-12-15	DE102015218117
US20160365599	A1	2016-12-15	US20160365599

**Abstract**

(US20190252712)

An apparatus is provided to stack a fuel cell stack by pressurizing a separating **plate** component including a membrane-electrode assembly (MEA) sheet component, in which gas diffusion layers are bonded to both surfaces of an MEA,

respectively. The apparatus include a component aligning unit connected to a completion end of a component transfer route of a **conveyor** to align the separating **plate** component and the MEA sheet component transferred by the **conveyor** to predetermined positions. A component stacking unit is installed at the component aligning unit side, and is configured to grip the separating **plate** component and the MEA sheet component and stack the components on a stack guide. A component pressurizing unit is installed at an upper side of a transfer route, through which the stack guide is transferred, and is configured to pressurize the separating **plate** component and the MEA sheet component stacked on the stack guide.

Inventors

JU HOKYUN

JANG YOON

Latest standardized assignees - inventors removed

HYUNDAI MOTOR

KIA MOTORS

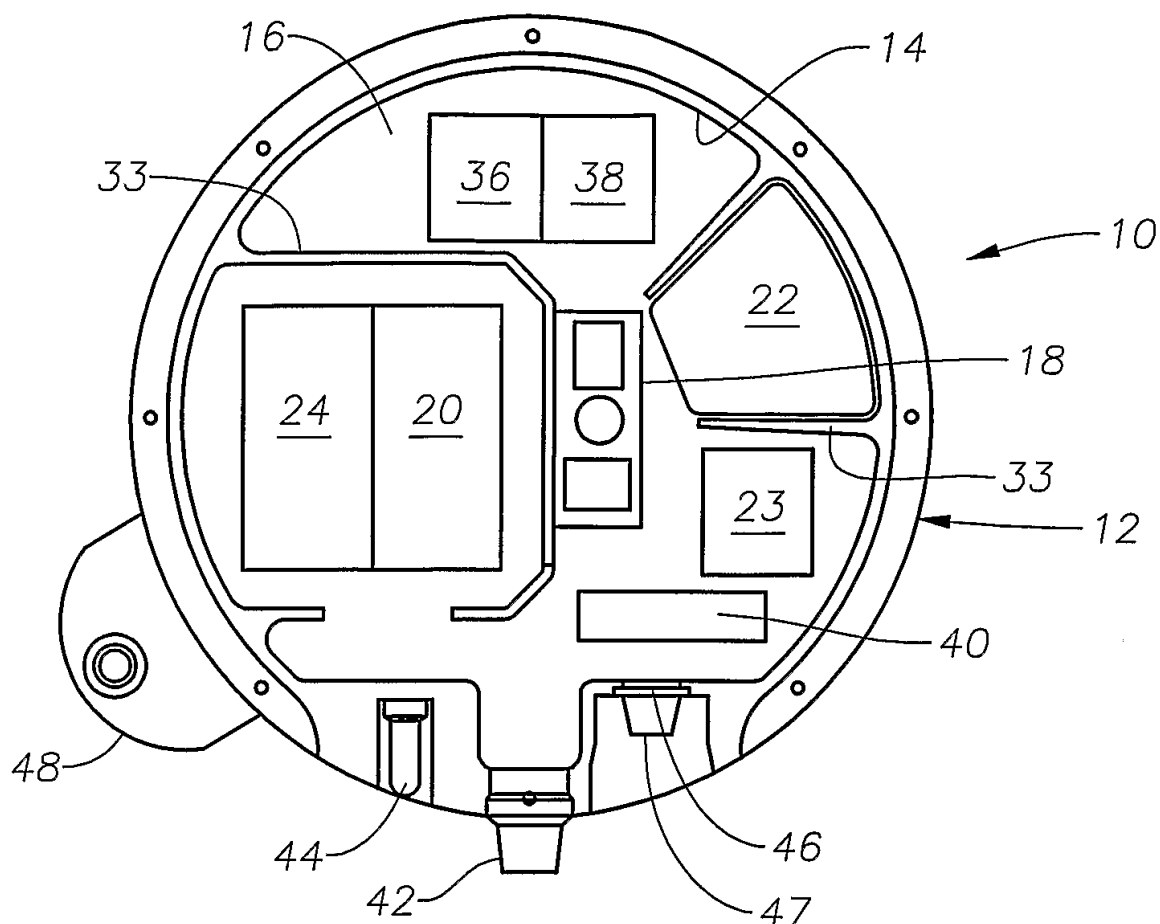
Family 92/100 - FAMPAT - ©Questel

Title

(EP1805533)

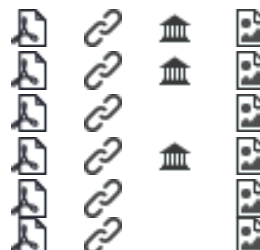
Method and apparatus for seismic data acquisition

Images



Publication numbers with kind code & date

CA2581193	C	2016-04-12	CA2581193
CN101057160	B	2012-09-05	CN101057160B
RU2416810	C2	2011-04-20	RU2416810
EP1805533	A4	2010-05-26	EP1805533
MX2007003290	A	2008-10-30	MX2007003290



RU2007115090	A	2008-10-27	RU2007115090				
CN101057160	A	2007-10-17	CN101057160				
EP1805533	A1	2007-07-11	EP1805533				
CA2581193	A1	2006-04-20	CA2581193				
WO2006/041438	A1	2006-04-20	WO200641438				

Abstract

(EP1805533)

A marine seismic exploration method and system comprised of continuous recording, self-contained ocean bottom pods characterized by low profile casings. An external bumper is provided to promote ocean bottom coupling and prevent fishing net entrapment. Pods are tethered together with flexible, non-rigid, non-conducting cable used to control pod deployment. Pods are deployed and retrieved from a **boat** deck configured to have a storage system and a handling system to attach pods to cable on-the-fly. The storage system is a juke box configuration of slots wherein individual pods are randomly stored in the slots to permit data extraction, charging, testing and synchronizing without opening the pods. A pod may include an inertial navigation system to determine ocean floor location and a rubidium clock for timing. The system includes mathematical gimbaling. The cable may include shear couplings designed to automatically shear apart if a certain level of cable tension is reached.

Inventors

RAY CLIFFORD H

FISSELER GLENN D

THOMPSON JAMES N

HAYGOOD HAL B

Latest standardized assignees - inventors removed

FAIRFIELD INDUSTRIES

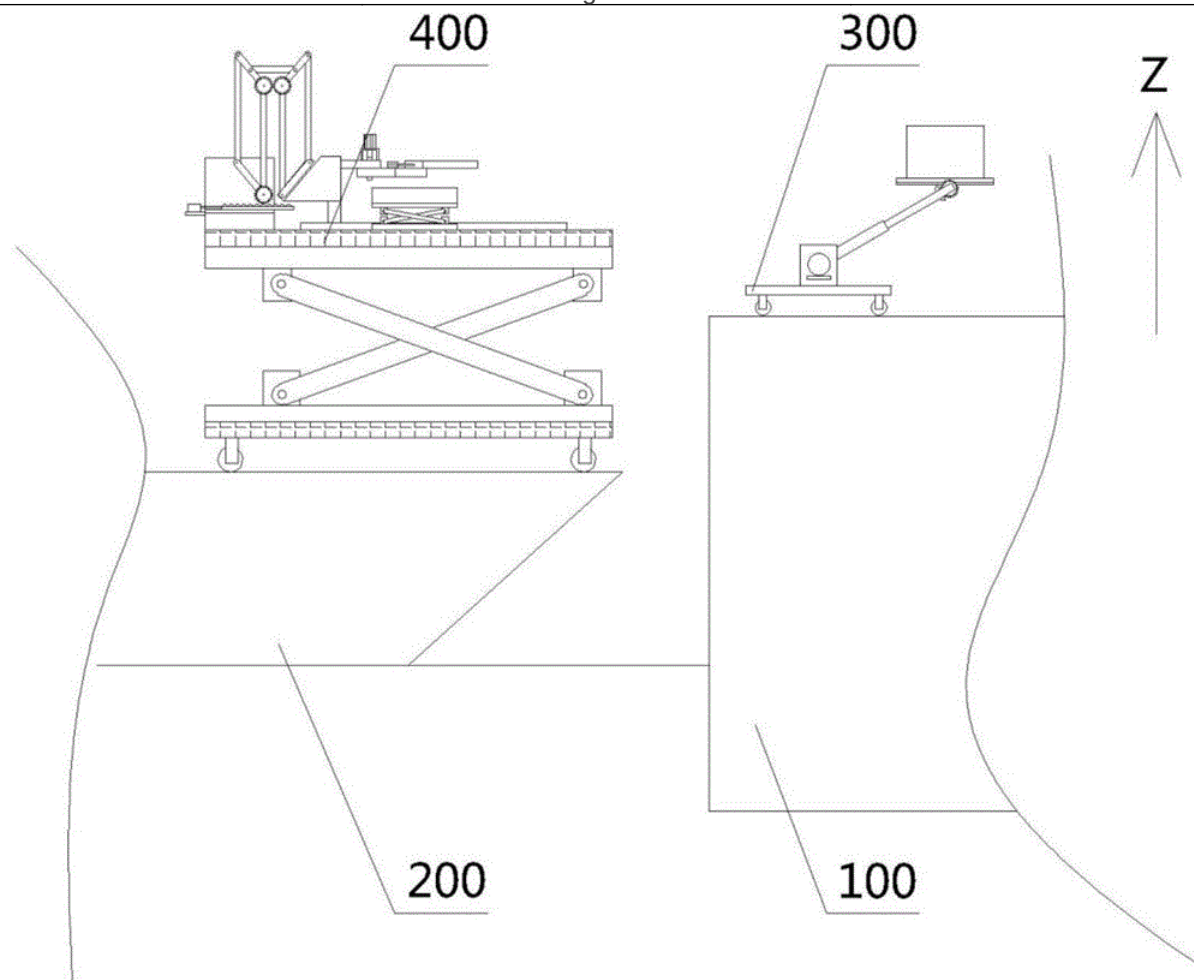
Family 93/100 - FAMPAT - ©Questel

Title

(CN110386483)

Method for dockside cargo-handling device

Images



Publication numbers with kind code & date

[CN110386483](#) A 2019-10-29 CN110386483



Abstract

(CN110386483)

The present invention discloses a method for the storage of the cargo-handling device. The cargo-handling device including a dock and serves to lift loads of the lifting device, the marine vessel and is used to transfer cargo delivery device. The lifting device includes a base, is mounted on the base and may rotate around the X axis of rotation of the lift assembly. A transmission device comprising a chassis, the chassis and extends in a Z-axis height adjustable mount adjustment assembly 1st, 1st mounted on top of the work platform adjustment assembly, mounted on the working platform and retractable stretch footer assembly, mounted on a clamping assembly for clamping the assembly with good stretch footer, and a height-adjustable 2nd mounted to the platform adjustment assembly, mounted on the 2nd transporting goods as a **belt conveyor** and for the adjustment assembly, 2nd place and for a conditioning module mounted in the transition table of the goods. The present invention overcomes the disadvantages of prior art, there is provided a dedicated for the storage of the cargo-handling device, the ship has a reasonable structure, high working efficiency.

Inventors

NI YUNLIN

Latest standardized assignees - inventors removed

ZHEJIANG OCEAN UNIVERSITY

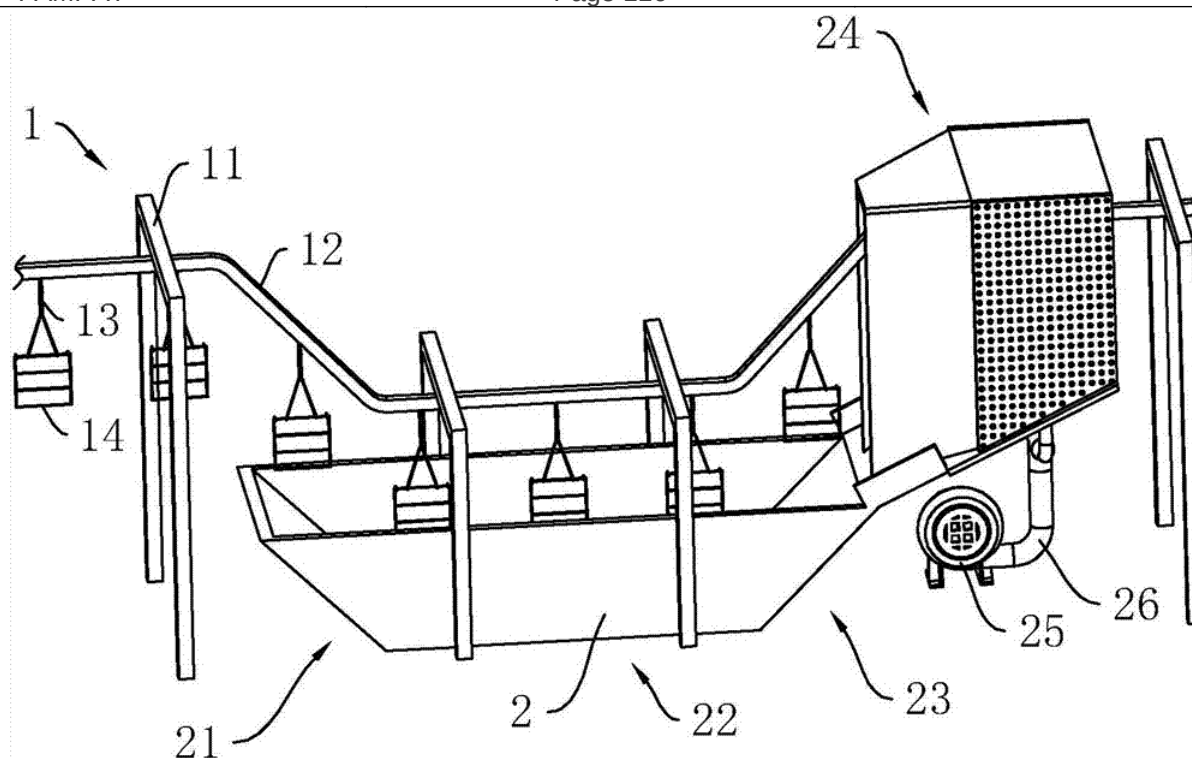
Family 94/100 - FAMPAT - ©Questel

Title

(CN207446834U)

Belt cleaning device of auto -parts electrophoresis lacquer processing

Images



Publication numbers with kind code & date

CN207446834

U 2018-06-05 CN207446834U



Abstract

(CN207446834)

The utility model relates to a device field use in the lacquer processing of auto -parts electrophoresis, discloses a **belt** cleaning device of auto -parts electrophoresis lacquer processing, has solved the accessory and has washed the rear surface and remain a large amount of liquid and remove the in -process along the accessory and drip and be infected with the problem in workshop, and its technical scheme main points are **belt** cleaning device of auto -parts electrophoresis lacquer processing, including conveying gallows and washing tank, the conveying gallows is including the conveying frame, have on the conveying frame along the hook component that hangs of its transfer, but hang the carrier that hook component **articulated** standing finish, the washing tank is located conveying frame below, the washing tank divide into entering portion along the direction of transfer, portion of embathing and the portion of shifting out, be equipped with blast chamber in the portion of shifting out, the conveying frame passes blast chamber, set up a plurality of play tuber pipes of drying in the blast chamber, the tuber pipe orientation portion of shifting out is gone out and the carrier can be aimed at, it washes the rear hook subassembly to have reached to get rid of, most liquid on carrier and the accessory, avoid it constantly to drip along the conveying of conveying gallows and pollute the workshop.

Inventors

MAO LIPING

Latest standardized assignees - inventors removed

NINGBO JIEYI VEHICLE PARTS

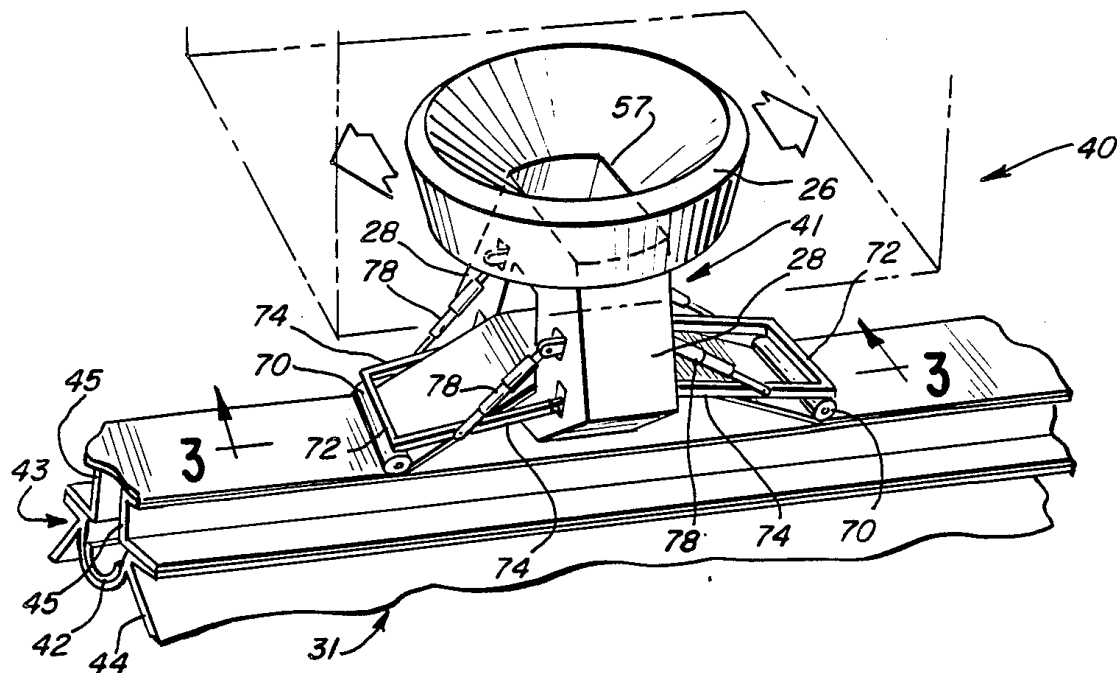
Family 95/100 - FAMPAT - ©Questel

Title

(EP-118531)

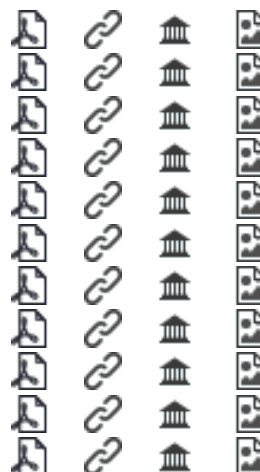
Apparatus and method for unloading bulk materials

Images



Publication numbers with kind code & date

DE3390175	C2	1991-04-18	DE3390175
CA1250246	A	1989-02-21	CA1250246
US4738350	A	1988-04-19	US4738350
EP0118531	B1	1988-03-30	EP-118531
US4718537	A	1988-01-12	US4718537
US4605116	A	1986-08-12	US4605116
DE3390175	T	1985-04-18	DE3390175
EP0118531	A4	1985-03-06	EP-118531
EP0118531	A1	1984-09-19	EP-118531
JPS59501588	A	1984-09-06	JP59501588
WO84/00948	A1	1984-03-15	WO8400948



Abstract

(EP0118531)

An unloader (8) for bulk materials (3) to transfer material such as cement from a barge (2) or other bulk container. It includes a moveable and rotatable support (12) such as a crane or cantilevered arm that is adjacent the bulk container. A first **conveyor** (14) or auger is connected to the support for pivotal movement and extends generally horizontally. A second **conveyor** (16) or auger is connected to the distal end of the first **conveyor** for pivotal movement and is generally vertically oriented. A feeder (18) is connected to the distal end of the second **conveyor** for universal and rotational movement. The feeder includes an uplift portion (72) communicating with the second **conveyor**, the uplift portion advancing the bulk material at a rate slower than the second **conveyor**, and a collector portion (74) communicating with the uplift portion. The collector portion includes converging augers (80, 82) to advance the bulk material towards the uplift portion and to assist in transferring it into the uplift portion. The apparatus may further include a selectively operable energy responsive aeration system (150, 152, 154) to inject air into the bulk material while it is being handled by the unloader, a scraper (110, 112) attached to the feeder to assist in removing the last of the bulk material from its container, and a take-away mechanism (130) to transport the bulk material away from the unloader.

Inventors

MILLER, DAVID J.

MILLER, ALLEN R.

MILLER, CHARLES P.

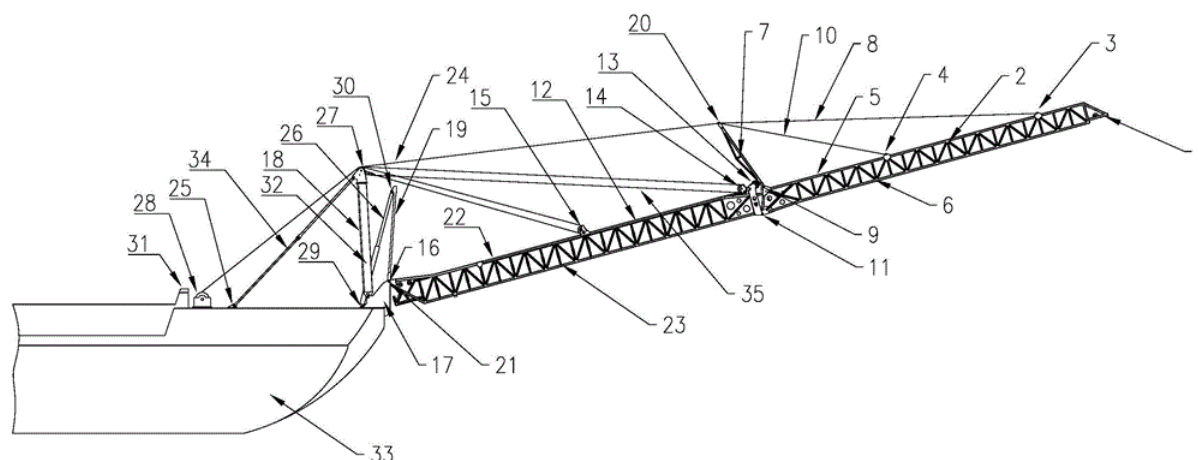
Latest standardized assignees - inventors removed

MILLER FORMLESS

Family 96/100 - FAMPAT - ©Questel

Title

(CN104229079)

Dump ship outer frame composite folding **belt** conveying device and use method thereof**Images****Publication numbers with kind code & date**[CN104229079](#) B 2017-01-04 CN104229079B[CN104229079](#) A 2014-12-24 CN104229079**Abstract**

(CN104229079)

The invention discloses a dump ship outer frame composite folding **belt** conveying device and a use method of the device. The dump ship outer frame composite folding **belt** conveying device is arranged on a ship and comprises a second outer frame, a first outer frame, a first outer frame portal frame, a turning portal frame, an outer frame turning lifting oil cylinder, a cable winding oil cylinder of a first outer frame movable cable, a winch, a first outer frame adjusting cable, a second outer frame lifting adjusting cable and a first outer frame cable I, wherein one end of the second outer frame is hinged to the ship, the bottom end of the first outer frame is hinged to the other end of the second outer frame, the first outer frame portal frame is hinged to the upper side of the bottom end of the first outer frame, and the turning portal frame is arranged at one end of the second outer frame. The **belt** conveying device is concise in structure, low in weight and easy to operate, increases safety facilities, saves a part of raw materials and reduces cost. The load of a drive device and torsion force of the outer frames can be greatly reduced, operation is more stable, and safety of safety products is further improved.

Inventors

ZHOU HONG

ZHANG YONG

JIANG WEI

ZHANG FUQIU

Latest standardized assignees - inventors removed

HUNAN BLUESKY ROBOT TECHNOLOGY

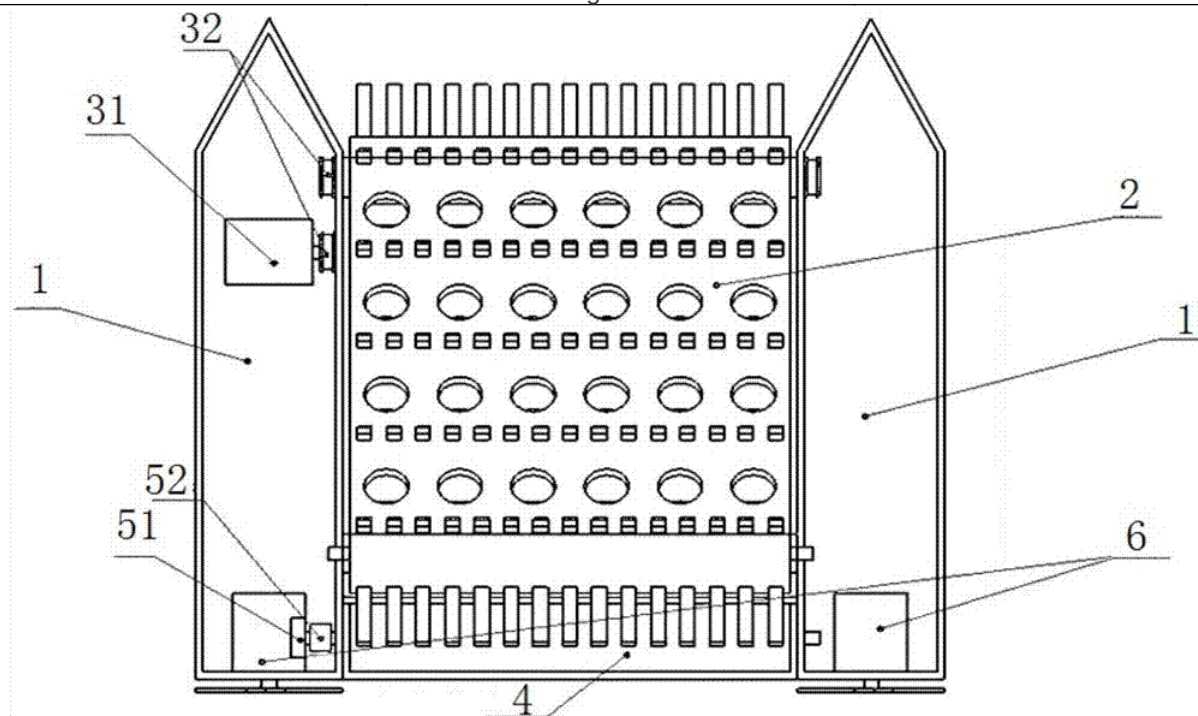
Family 97/100 - FAMPAT - ©Questel

Title

(CN206679215U)

Floating garbage salvage ship

Images



Publication numbers with kind code & date

CN206679215

U 2017-11-28 CN206679215U



Abstract

(CN206679215)

The utility model relates to a floating garbage salvage ship, salvage the subassembly including hull and the rubbish that sets up on the hull, rubbish is salvaged the subassembly and is included that the conveying **belt** type who sets up in order from hull front end to tail end salvages mechanism and garbage collection box, conveying **belt** type salvages the mechanism and includes the transmission band, a multirow bailer grab for driving the transmission tape drive and the edge transmission band length direction of transmission band action set up at the transmission band upper surface, every row of bailer grab includes that a plurality of salvages that set up side by side indicate, the garbage collection box top is uncovered, preceding curb **plate** upwards extends, and the claw is scraped to formation rubbish, rubbish is scraped the claw and is included that a plurality of rubbish that set up side by side scrape the finger, the top that the claw was scraped to rubbish is located transmission band tail end below, rubbish is scraped and is indicated to indicate to set up through the interpolation slit formula is crisscross with the salvage, salvage conveying **belt** type during rubbish in the mechanism scrapes garbage collection box. Compared with the prior art, the utility model has the advantages of the rubbish salvage is efficient, simple structure reliable, the energy can be saved, profitable.

Inventors

WANG DAOLEI
LIANG ZHICHAO
YANG XU
CHEN QIHUANG
GUAN HANBING
WEI HENG

Latest standardized assignees - inventors removed

SHANGHAI UNIVERSITY OF ELECTRIC POWER

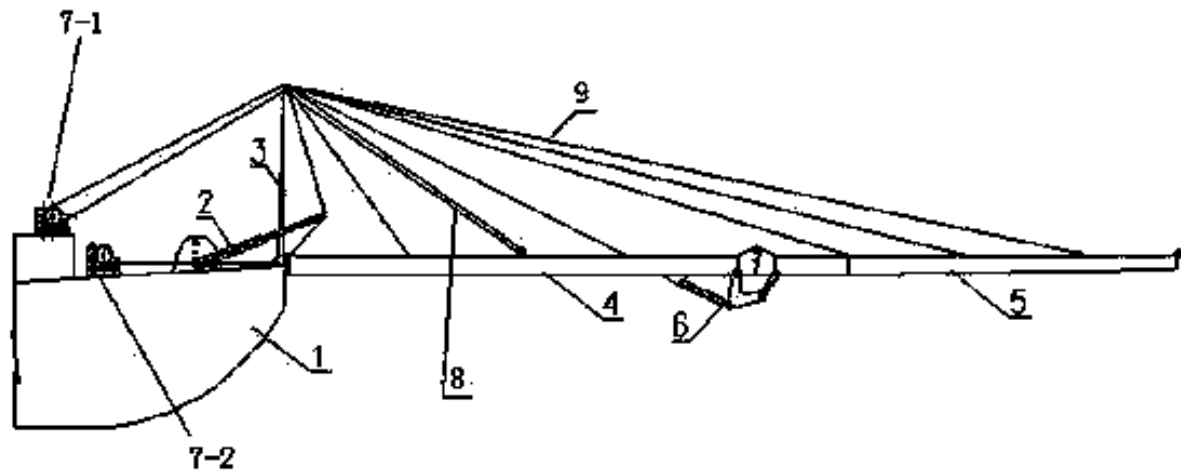
Family 98/100 - FAMPAT - ©Questel

Title

(CN104340604)

Turnable conveying device for ships

Images

**Publication numbers with kind code & date**[CN104340604](#)

A 2015-02-11 CN104340604

**Abstract**

(CN104340604)

The invention discloses a turnable and foldable conveying device for ships. The conveying device comprises a hydraulic jack, a portal frame, a **belt** frame, a winch and a steel wire rope, and is characterized in that the **belt** frame is rotationally connected with the vertical plane of a ship; the bottom end of the portal frame is rotationally connected with the vertical plane of the ship; the axial direction between the rotating center of the **belt** frame and the rotating center of the portal frame is 0 to 80 cm; one end of the hydraulic jack is connected with the ship, and the other end thereof is connected with the portal frame; the winch is arranged on the ship and at rear of the portal frame, used for shrinking the steel wire rope, and controls the **belt** frame to be turned and released; the steel wire rope sequentially winds the winch, the portal frame and the **belt** frame. The conveying device has a compact structure, and is low in manufacture cost, long in service life, high in operating efficiency, high in bearing capacity, high in stability, flexible to operate and simple, meanwhile, the secondary arm **belt** frame adopts the telescopic steel wire rope, and can be finely adjusted during positioning.

Inventors

HUANG FANCHANG

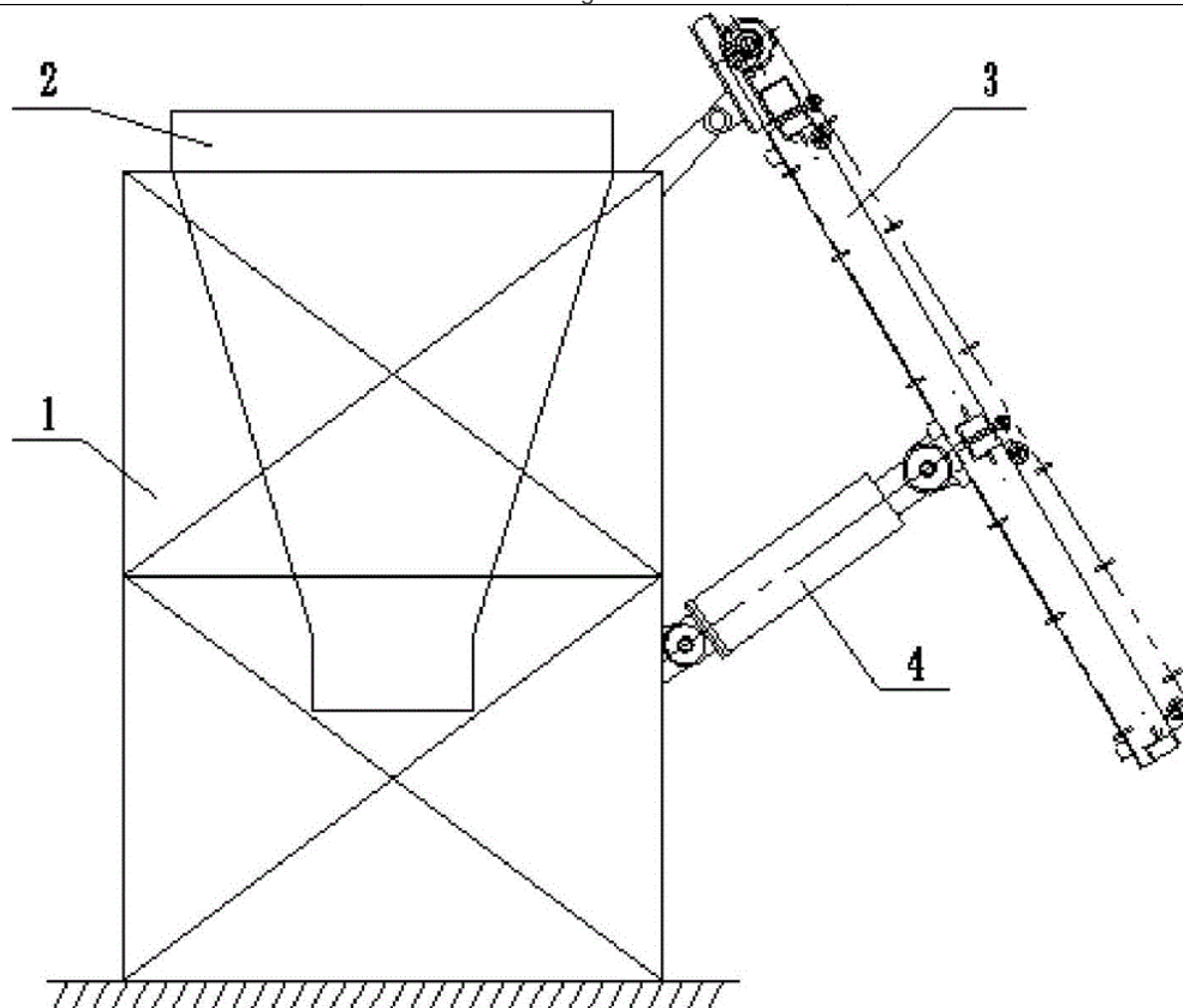
Family 99/100 - FAMPAT - ©Questel

Title

(CN205616281U)

Ship unloaders and material recovery unit scatters thereof

Images



Publication numbers with kind code & date

[CN205616281](#)

U 2016-10-05 CN205616281U



Abstract

(CN205616281)

The utility model discloses a ship unloaders and material recovery unit scatters thereof belongs to ship unloaders additional equipment field. These ship unloaders scatter and expect that recovery unit includes ship unloaders frame, defeated material mechanism and actuating mechanism, and the ship unloaders frame is provided with the funnel, defeated material mechanism be **belt** feeder or scraper **conveyor**, actuating mechanism is the hydro -cylinder, the one end of defeated material mechanism be connected with the ship unloaders frame, the one end of hydro -cylinder be connected with the ship unloaders frame, the other end is connected with defeated material mechanism, the hydro -cylinder can drive defeatedly expects that the mechanism is at vertical flat rotation in surface for defeated material mechanism can carry the material to the funnel. The utility model discloses can collect the material that the ship unloaders grab bucket is scattered to carry the funnel of ship unloaders with the material, avoid improving efficiency and security that the material was carried greatly around the material falls into aquatic or ship unloaders, avoid the secondary to retrieve, reduce the cost of unloading.

Inventors

QUAN LAN

BAO WUYU

Latest standardized assignees - inventors removed

MA ANSHAN HUAYU ENVIRONMENTAL PROTECTION EQUIPMENT MANUFACTURING

Family 100/100 - FAMPAT - ©Questel

Title

(EP-741092)

Unloading device for ships or similar containers for bulk material

Images

consists of two hydraulic cylinders (7.1,7.2) positioned behind each other, which are actuated simultaneously.

Inventors

AREND JUERGEN

STECKEL HORST DIPL-ING

Latest standardized assignees - inventors removed

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