

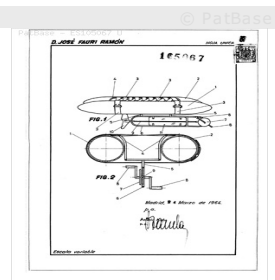
1) Family number: 71134523 (ES105067 U)

NEW AQUATIC BIKE (MACHINE-TRANSLATION BY GOOGLE TRANSLATE, NOT LEGALLY BINDING)

Abstract: Source: ES105067 U New water bicycle characterized by the fact that the water bicycle is constituted by two inflatable floats parallel and joined together by the corresponding braces between which is interspersed and held by the braces themselves in the form of removes and put a rigid frame of the that divide downwards some uprights in which there is joined another oblong rectangular frame with the smaller arched sides in which in this second frame and in its smaller sides there is in one of god a pinion with its corresponding actuating pedals and joined to the pinion. It finds an axis that ends on the opposite smaller side of the second frame itself at the end of which a drive propeller appears. (Machine-translation by Google Translate, not legally binding)

Probable Assignee: FAURI RAMON JOSE

Earliest Publication Date: 19640516

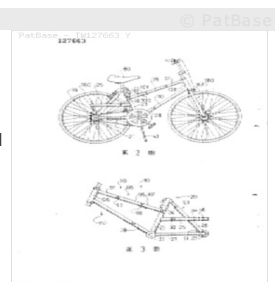


2) Family number: 45676149 (TW127663 Y)

AMPHIBIOUS DUAL PURPOSE FOLDAWAY BICYCLE (MACHINE TRANSLATION)

Abstract: Source: TW127663 Y This creation provides one kind of amphibious dual purpose foldaway bicycle, its frame may fold also its saddle place and ? turn all separable leaves, when ? turn demolition by a fluctuation unit and a propeller unit substitution namely forms an aquatic bicycle; Propeller of in which may step on by the footboard actuates it, its direction may by adjust revolving hand it; When it uses as the land with the bicycle, this fluctuation unit and the propeller unit may one and place after the special design fix on the frame; When the bicycle does not use, may dismantle the saddle place first and ? the wheel, after qi the frame will fold ? the wheel to be possible to rotate again installs in the both sides, and will closely attach the saddle place ? forms on the frame one may along the ground easily impetus the small unit; But or, we may the trailing wheel demolition by the tripod substitution, then forms a fitness bicycle.

Earliest Publication Date: 19900121



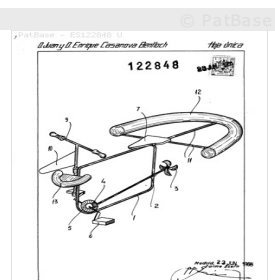
3) Family number: 71146060 (ES122848 U)

AN AQUATIC BIKE (MACHINE-TRANSLATION BY GOOGLE TRANSLATE, NOT LEGALLY BINDING)

Abstract: Source: ES122848 U An aquatic bicycle characterized essentially by the fact that it is constituted by a frame or supporting frame of an oblique longitudinal axis that at its rear end protruding from the frame comprises a propeller propeller while at its opposite end it comprises a conical pinion geared to a conical gear fixed on the transverse axis of the driven pedals. (Machine-translation by Google Translate, not legally binding)

Probable Assignee: CASANOVA BENLLOCH ENRIQUE

Earliest Publication Date: 19661016



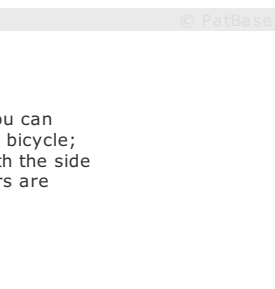
4) Family number: 30220698 (ITVR950103 A1)

BICYCLE AQUATIC (MACHINE TRANSLATION)

Abstract: Source: ITVR950103 A1 The "water bike" and a water sports equipment removable and transportable. You can move forward and backwards on the water riding. The position and movements of the rider are the same as regular bicycle; They 'a trimaran: on the central hull and mounted the frame, the base of which depart from the connecting arms with the side hulls. The push and left by two paddle wheels moves the pedals and a chain, covered with mud flaps. The maneuvers are permitted by a tilting incerniato aft rudder, controlled by a rod on the handlebar.

Probable Assignee: MARCON ANTONIO

Earliest Publication Date: 19970616



5) Family number: 34727203 (BRMU8501102 U)

AQUATIC BICYCLE (MACHINE TRANSLATION)

Abstract: Source: BRMU8501102 U Utility Model Patent for a Bicycle Aquatica built in stainless steel for use from several academies until a private gym, and understood that for a frame having a unique geometry that allows easel 4 coupling the rail system through bushing 9, and the positioning of this easel allows greater dimension of 16 rails enabling the extension of the training evolution. The model presents points of height adjustment frame 30, 34 and 35 points for height adjustment of the handlebars and saddle 32 and 37 points and still regulating advancement and retreat of handlebars and saddle 33 and 36, where they all have system lock quickly. For variation of the positions the handlebars 12 has an internal arc 13 which is coupled one bottle holder, even for varying positions of the template has a utilization dropout 25 to support the hands of the User back into position for use. Situated in pe front support 7 station 15 for two castors Transport Facilitation bike.

Probable Assignee: MARTINS JONAS ALMEIDA NEVES

Earliest Publication Date: 20070102

BICYCLE MICRO-SLIDE (MACHINE TRANSLATION)

Abstract: Source: TW241059 S1 This creation is about one kind of 'design the bicycle micro-slide' new model, You Zhi one kind of modelling is especially exquisite the satisfied product, design of style its tenacious person or household who refuses to move and bargains for unreasonably high compensation when the land is requisitioned for a construction project and along the thick orientation, especially leads straight this kind of product another kind of creation the new domain, honest is a fine creation. ; Please refer to the attached figure to show, this creation is a bicycle micro-slide, by the tenacious vertically and horizontally line matching rich simple style, causes the overall shape to contain aquatic plants one kind of security steady feeling, basically, puts up the surface for certain pole constitution frame and the parallel backbone rectangle of frame, puts up surface end Yang Shen a ? shape strip pole, puts up nearby the surface both sides each downward company to suppose V shape support, the support bottom surface matches disposes a piece of triangle charm worn around a child's neck respectively, puts up the surface terminal surface vertically to extend meets an ellipse shape hole piece; This creation characteristic, is in an appearance to ? central committee of spot the shape strip pole, in the future Shen Shi a terminal will all over the body play the part of the piece for a minute forked long shape, also the long shape will play the part of above the piece to suppose the distribution to have strip of trough six equal-space round hole, behind the strip trough relative ? shape strip pole will be concavely plays the part of for the light leveling surface, because and the decorated with certain square edged orifices, will enable the long shape to play the part of the piece to divide forked and concave-convex, hole shape matching, other careful ? will send the ingenious conception, will cause the frame to say goodbye has the careful feeling, the whole has the especially balance to gather the harmony the esthetic sense, as soon as a creation will expand in addition clamps the frame coordination use; By above may know, this creation honest is a modelling novel also design the unique style, should conform to the new model patent requirement, whence hands in the application legally.

Earliest Publication Date: 19950211

**SET TO TRANSFORM A BIKE (MACHINE TRANSLATION)**

Abstract: Source: BRPI9904403 A This summary relates to a patent application for the invention set belonging to the field of bicycle accessories that has been developed to transform this vehicle, which is terrestrial, aquatic and understood by Vehicle substantially: four sets floats above two lateral (20) fixable in the fork (2) and extended down to the level of the lower front wheel (1) and two lateral floats later, (30) attachable to the rear end of the frame (3), and extended down till the level of the lower region of the rear wheel (4) and two fins (40), each in its fixable pedal (5), each set of float (20), (30) and comprising: a support (50) fixable in the respective branch of the fork (2) or rear end of the frame (3) by biciclbeta arm "Z" (60) which is fixed to the support (50) and extended downward and away from the same biciclbeta by the beam (70), which is mounted on the lower end of the cross arm "Z" (60) and disposed parallel to biciclbeta and inflatable float (80), mountable tray (70), all in a mountable or Joints relation to others and in relation to cycling.

Probable Assignee: RIBEIRO EDSON

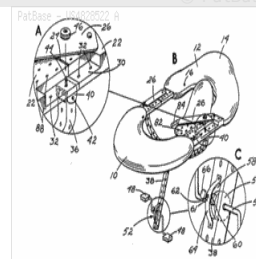
Earliest Publication Date: 20010605

AQUATIC EXERCISER

Abstract: Source: US4828522 A The invention provides a bicycle-like pedal exerciser in a flotation structure designed for use in water. Two crescent shaped inflatable tubes are oppositely affixed in a fold-in frame horizontally disposed point to point. Hinged frame sections exposed between the flotation points and the convex inner wall tube shapes provides an operational and fixture-attach opening. A curved, flat bottom seat suspended downwardly in the opening faces a yoke-attached adjustable shaft downwardly affixed with a small flywheel turnable by bicycle-type pedals. The seat is adjustable and removable. An adjustable brake supplies a desired tension to the small flywheel. The device is operational in swimming pools or other limited water areas. The user sits or stands submerged to arm pit level and exercises by cranking the flywheel with the bicycle-like pedals. A variety of positions may be assumed for in-water therapy or for healthful exercising.

Probable Assignee: SANTOS T R

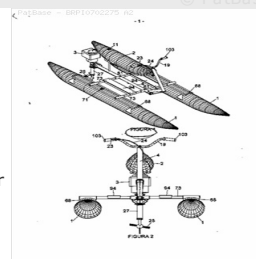
Earliest Publication Date: 19890509

**CATAMARCA BIKE AQUATIC TYPE (MACHINE TRANSLATION)**

Abstract: Source: BRPI0702275 A2 MOTARO AQUATICA catamaran. The present invention relates to a recreational craft powered catamaran comprising primarily of tubular structures associated with inflatable so as to provide a layout similar to a motorcycle, and it presents a pair of inflatable hulls (1), arranged in a catamaran configuration, and an inflatable seat (2). The vehicle has a propulsive set (26) in a position which comprises a rear tail (27), similar to conventional outboard motors that can rotate around its axis. The tail (27) in your body has a current gear (30) mechanically attached by chain (53) cables (54) and pulleys (44) other current gear (14) fixed at the lower end of the tube direction (13) which presents a handlebar (19) in its upper end to allow the handling of the vehicle. The propulsive assembly (26) can lean back when the bottom is a submerged object. The present invention provides a compact and lightweight tubular frame, and the parts can be easily assembled and disassembled for easy transport and storage giving the vehicle features of this laptop.

Probable Assignee: SANTA CATARINA MATEUS FROIS

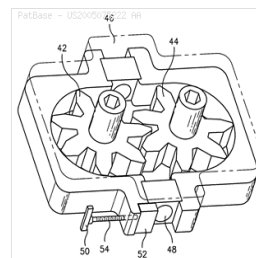
Earliest Publication Date: 20081230

**AQUATIC EXERCISE BICYCLE**

Abstract: Source: US2005075222 AA An aquatic exercise cycle including a frame receptive to be at least partially submersed in a liquid medium; a seat adjustably secured to the frame; a pair of handles operably coupled to at least one of the frame and the seat for an operator to hold onto; a crank assembly operably coupled to said frame having an input shaft rotatable with a pair of user operated pedals; and a variable resistance mechanism in operable communication with the input shaft and receptive to varying a resistance of rotation of the input shaft. The aquatic exercise cycle allows the user to adjust at least the seat relative to the crank assembly to select either an upright riding position or a recumbent riding position.

Probable Assignee: ADLEY ROBERT J

Earliest Publication Date: 20050407



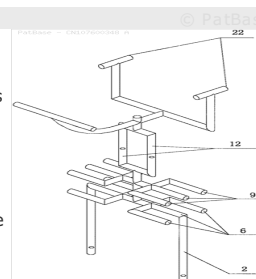
11) Family number: 68275104 (CN107600348 A)

AQUATIC ENTERTAINMENT BICYCLE

Abstract: Source: CN107600348 A The invention relates to an aquatic entertainment bicycle. A fixing cross beam is fixed to the lower part of each bicycle frame and at the tail end of each water wheel bracket through nuts; a long bearing is mounted in the middle part of each fixing cross beam; a flywheel is fixedly mounted at the middle part of each long bearing; water wheels are respectively and fixedly mounted on two sides of each long bearing, and are distributed on two sides of the corresponding flywheel; an L-shaped water retaining plate is welded to the lower side of each lower clamping stick group; a clamping plate 8 is welded to the upper side of the corresponding lower clamping stick group; a clamping plate 10 is welded to the lower side of each upper clamping stick group; rollers are respectively mounted on each clamping plate 8 and the corresponding clamping plate 10; a cross beam is mounted in the middle part of a chain wheel bracket in the middle part of each bicycle frame through bearings; cranks are mounted at two ends of each cross beam; a pedal is mounted on each crank; a chain wheel is fixedly mounted in the middle part of the corresponding cross beam; each chain wheel is connected with the corresponding flywheel through a chain; a bicycle seat and a bicycle handlebar are mounted at the upper part of each bicycle frame; and bicycle handrails are mounted on two sides of each bicycle seat. Compared with the prior art, the aquatic entertainment bicycle provided by the invention integrates resting, chess entertainment and riding competition in a swimming pool.

Probable Assignee: HANDAN COLLEGE

Earliest Publication Date: 20180119



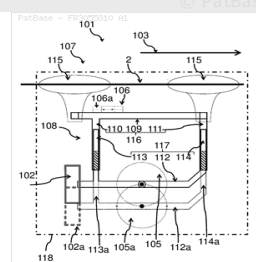
12) Family number: 68908656 (FR3055810 A1)

BICYCLE AQUATIC ENVIRONMENT. (MACHINE TRANSLATION)

Abstract: Source: FR3055810 A1 The invention relates to a bicycle saddle aquatic (101) comprising: -a (106) on which a user of the bicycle may sit; -a reinforcement (107) comprising a frame (108) that supports the bottom bracket (105) and the saddle (106), it is contemplated that the framework (108) comprises a first part (116) supporting the saddle (106) and comprising two connecting pipes (110, 111), a second portion (117), said second part (117) comprising at least one slide tube (113, 114) that slide relative to at least one connecting pipe (110, 111) according to a first slide direction and that the saddle (106) is mounted slides on the frame in a second slide direction, the two directions of sliding being different.

Probable Assignee: TRACOL CHRISTOPHE

Earliest Publication Date: 20180316



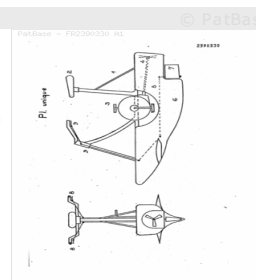
13) Family number: 3678631 (FR2390330 A1)

AQUATIC BICYCLE FRAME WITH SINGLE FLOAT - HAS PROPELLER IN TUNNEL DRIVEN BY PEDALS OR ENGINE AND RUDDER STEERED BY HANDLEBARS

Abstract: Source: FR2390330 A1 The self-propulsion equipment in water is equally usable for medical rehabilitation or therapy, water sports, rescue etc. It acts as an aquatic equivalent of a bicycle. It is driven by a propeller (4) from foot pedals (3) or an engine. It can be mounted on a frame (1) to which a seat (2) is fixed, and can be collapsible. The frame can be fixed to a single float (5) with a keel or a retractable drop-keel (6) and there are systems to reduce the draught. A rudder (7) can be provided, also a bracket (9) bicycle type handlebars, sail-mast, fishing rod, signal rocket etc.

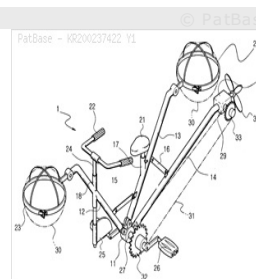
Probable Assignee: FOESSER MONIQUE

Earliest Publication Date: 19781208



14) Family number: 47131955 (KR200237422 Y1)

AN AQUATIC BICYCLE



Abstract: Source: KR200237422 Y1 The subject innovation is the front top of the occupant is sitting on the saddle and installed on an upper part of the frame through the rear open; and water to float to step on the propulsion propeller go by rotating relates to underwater, animal models, such as the bicycle is manufactured in a conventional underwater board production volume because of the size, as well as to be cumbersome, a lot of production costs there is an extremely difficult to move on the ground, such as part of the lake or river it is able to use only limited, because the circumferential sides of the occupant vantage point was there is a problem that do not, as well as the body of the passenger is no longer in contact with water they will not be able to enjoy a refreshing dip bar was a problem, is provided with a saddle (21) in the central upper portion of the front frame 10 is provided with a handle 22 on the front upper and the back upper portion (20) to be fixed to install the float network 23, while the handle (25) in the lower portion of the rotation shaft 24, and providing a direction key frame 10 installed on the lower center of the pedal 26, the driving shaft 27 and the frame 10 of the frame 10 The gear box 28 is provided to the rear of the driven shaft 29 is connected to the chain wheel (32)(33) mutual chain 31, respectively, through the operation of the accelerator pedal (26) is provided to the rear of the gear box 28 is able to operate the propulsion propeller (34) is characterized in that one would like to the occupant (P) according to the present invention, the remaining portion except for the head and upper body part so that make a garment cooler while adding water, they will be able to enjoy a swim through the pedal (26), being able to be leg movements and wide field of view, it is possible to secure safe breathing, after take-out of the water into the frame 10, and may carry a small volume used so easily without restriction of the place, which will be available in several places, it is possible to obtain the effect of the like.

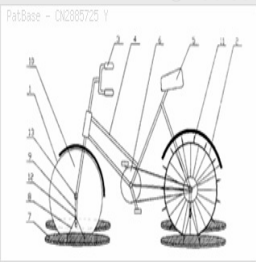
Probable Assignee: GIMYUSEONG

Earliest Publication Date: 20011012

15) Family number: 34445380 (CN2885725 Y)

WATER BICYCLE

Abstract: Source: CN2885725 Y The utility model discloses an aquatic bicycle comprising a front wheel, a back wheel, a handlebar, a frame, a saddle, a foot chain sprocket drive device, an air mattress a link span and a connecting rod, wherein, both sides of the front wheel is equipped with breakwaters which can prevent the spray splashing, simultaneously has the resistance to water and assists the handlebar with turning. The wheel rim of back wheel is installed with thrashing leaf blades distributed equally along the radial direction to drive bicycle forward by thrashing when the bicycle revolves in the water. One side of the link span is held on the air mattress and screw on the other side is linked with the connecting rod so that the altitude of the air mattress can be controlled through adjusting the position of the screw of the connecting rod. One side of the connecting rod is fixed on the wheel axle. The link spans, the connecting rods, the air mattresses, each number is four, are mounted separately at both sides of the front and back wheels. The bicycle has advantages of high speed, labor saving and turning about limberly on water, can be widely used for the aquatic entertainment, the aquatic transportation and the water transport.



Probable Assignee: YU QINHUA

Earliest Publication Date: 20070404

16) Family number: 17421848 (CN2168822 Y)

BICYCLE ON WATER

Abstract: Source: CN2168822 Y The utility model relates to a bicycle on water, which can move on water and has the similar structure to a bicycle. The utility model can be used for aquatic sports, games and entertainment. The utility model comprises handlebars, a bicycle frame, a bicycle saddle and a pedal chainwheel transmission mechanism. The utility model is characterized in that a hollow front wheel with thin wall is arranged on the lower end of a front bicycle fork of the bicycle frame; a hollow rear wheel with thin wall and water pulling plates is arranged at the back end of the bicycle frame. The utility model felicitously combines the movement and configuration principles of the bicycle with the configuration and operation principles of a boat, and has integral characteristics of the bicycle on land and equipment on water. Therefore, the sports, games and entertainments of the utility model are special.

Probable Assignee: WU JINGWEI

Earliest Publication Date: 19940615

17) Family number: 17521878 (CN2197306 Y)

BICYCLE MOVING IN WATER

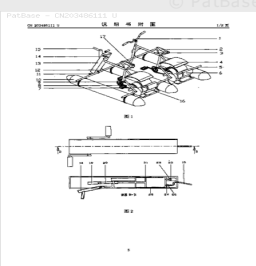
Abstract: Source: CN2197306 Y The utility model discloses an aquatic bicycle which comprises a bicycle frame, wherein, a saddle is arranged on the bicycle frame; the front and the back parts of the lower part of the bicycle frame are respectively provided with a roller type floating front wheel and a roller type floating back wheel; the roller type floating back wheel is clamped with thrashing paddle blades which are driven by a chain wheel and a chain arranged on the bicycle frame through pedals; the roller type floating front wheel is connected with a steering mechanism. The utility model has the advantages of simple structure, beautiful appearance, quick ride and large floating force. The utility model is particularly suitable to be used in rugged river beaches. When the paddle blades are thrashed, water can not be splashed on a body of a rider.

Probable Assignee: HUA JIANGUO

Earliest Publication Date: 19950517

18) Family number: 56005542 (CN203486111 U)

NOVEL AQUATIC RECREATIONAL BICYCLE



Abstract: Source: CN203486111 U Provided is a novel aquatic recreational bicycle. The novel aquatic recreational bicycle comprises a handlebar, a cushion, a frame, a baffle board, a rear connecting rod, a propelling component, a chain, pedals, a big gear wheel, air cushions, a water absorption tube, a front connecting rod, a water absorbing and pressing device, a hand rocking bar, a water outlet tube, a pinion, a guide plate, a water absorbing and pressing device box body, a crankshaft, a connecting rod, a piston, a water outlet ball, a water outlet control unit, a water absorption control unit, a piston cylinder and a water absorption ball. The baffle board is mounted on the frame, the rear connecting rod is mounted on the frame, and the air cushions are mounted on the front connecting rod and the rear connecting rod. The pedals convert power into the rotational motion of the pedals, the pedals are connected with the big gear wheel through a shaft, the big gear wheel is connected with the pinion through the chain, and the pinion is connected with the propelling component through a shaft. The water absorbing and pressing device is mounted in the water absorbing and pressing device box body, and the water absorbing and pressing device box body is fixedly mounted on the frame. The hand rocking bar is fixedly connected with the crankshaft, the crankshaft and the connecting rod are in hinge connection, the connecting rod and the piston are in hinge connection, and the piston is mounted inside the piston cylinder. The water outlet ball is mounted inside the water outlet control unit, and the water absorption ball is mounted inside the water absorption control unit. The water outlet tube is fixedly mounted on the piston cylinder, and the water absorption tube is fixedly mounted on the piston cylinder. The novel aquatic recreational bicycle has the advantages of being safe to use, high in entertainment, simple in structure, high in efficiency, low in cost, long in service life, completely free of pollution and the like.

Probable Assignee: UNIV ZHEJIANG NORMAL

Earliest Publication Date: 20140319

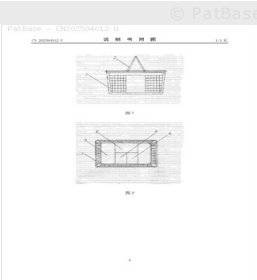
19) Family number: 52651637 (CN202594012 U)

MULTIPURPOSE VEGETABLE BASKET

Abstract: Source: CN202594012 U A multipurpose vegetable basket is designed to have a vegetable basket, a meat basket, an egg basket and an aquatic product basket for containing various vegetables and food respectively, wherein a basket cover is disposed on the meat basket and on the aquatic product basket respectively for ventilation and sealing, and a foldable handle is disposed on the basket to bring convenience for carrying and for using on a frame of a bicycle or an electric bicycle. According to the multipurpose vegetable basket, various vegetables can be held and carried in a classified manner.

Probable Assignee: JIAN LEJIA

Earliest Publication Date: 20121212



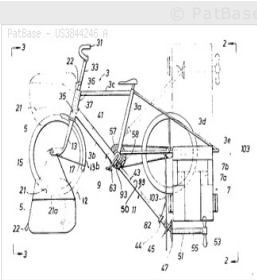
20) Family number: 1102630 (US3844246 A)

AMPHIBIOUS BICYCLE

Abstract: Source: US3844246 A An amphibious bicycle capable of operation on either land or water. The bicycle is a self contained convertible structure so that it may be readily adapted to operation in either environment comprising conventional wheels and pedal, sprocket, chain drive system but also including front and rear pontoons which are adapted to pivot about the frame of the bicycle from a retracted above-wheel position when in the land operating mode to a deployed, adjacent-wheel position when in the water operating mode. An attachable propeller, drive shaft, and gearing means cooperatively engages the pedal-sprocket structure for powered mobility when in water.

Probable Assignee: LOCHER B C

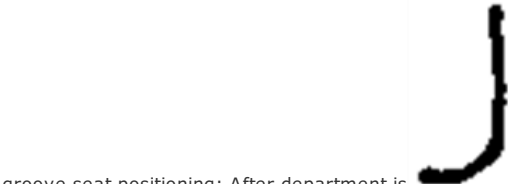
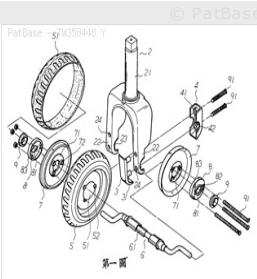
Earliest Publication Date: 19730202



21) Family number: 45960118 (TW358448 Y)

IMPROVEMENT OF WHEEL AXLE FOR BABY BIKE

Abstract: Source: TW358448 Y One kind children play foot pedal car wheel axle devices knot skis improvements the Department by a front fork, fixed seat, car wheel, from the sleeve, the main heart shaft, cover plate, fixed plate, shaft bearing, and screw combination wire of skis; Strikeout two bottom end of the front fork body extended L-shaped groove seat, its groove seat two equilateral long form left semi-circular recess, and the turret is provided with a vertical groove seat in front of the two round holes; Further, the strikeout of the holder beneath the female face before pre given at two convex convex design, ? to fit through the hole of the front fork placed beneath the



groove seat positioning; After department is J shaped recess, the strikeout of the holder beneath the central vertical, also extended with two circular tube, and after the holder of two side panels forming two right semicircular recess; When sesame turret mounted 00 to serve group; First car wheel, cover plate, fixed piece and a shaft support to bolt lock fixed beneath the main heart to the main shaft, set in the heart axis frame is provided beneath the front fork groove seat Zhizuo semicircular groove, and then the front holder of the lug in the abovementioned hole of ? penetration through the fork holder and cooperation with electrolesscopper title, and using screws lock fixed position; Composition slurry after the front fork groove seat, semicircular grooves left and right after the holder of the semi-circular groove into a circular hole beneath the main heart shaft projecting outside; This axle support 00 disposed flattened dense closed, so will not cause sputtered aquatic ? seizure of absence viewpoint, can increase the use of shaft bearing life life; Furthermore, when the axle bearing loss bad maintenance, not necessarily the entire stocker 00 removable foot pedal car wheel axle loss abandoned, amplification is characterized by the Franciscan benefits are.

Probable Assignee: YU ZHEN SHENG

Earliest Publication Date: 19990511

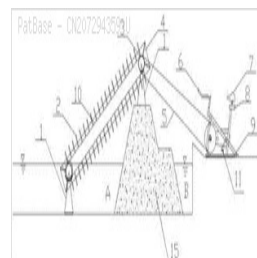
22) Family number: 69554572 (CN207294359 U)

EXERCISE BICYCLE DRAWS WATER AERATION AND PURIFIES DISTRICT WATER SCENERY WATER DEVICE

Abstract: Source: CN207294359 U The utility model provides an exercise bicycle draws water aeration and purifies district water scenery water device comprises adjustable bracket, the board of fetching water, water intaking car biography driven rotating shaft, breakwater, driving chain, exercise bicycle handle, exercise bicycle seat, exercise bicycle adjustable seat support, exercise bicycle frame, conveyer belt, pedal brake pedal, fixed support bracket bolt, reservation bolt hole, rotatory axle bolt, dam body: set up the teeth of a cogwheel on setting up the teeth of a cogwheel, exercise bicycle front wheel on the water intaking car biography driven rotating shaft, the water intaking car passes driven rotating shaft and is linked by the driving chain with the exercise bicycle front wheel, the drive of use exercise bicycle is drawn the water aeration and is purified district water scenery water device, can utilize district body -building apparatus drive water intaking car to draw water, and the water process flat board of promotion falls, and aeration, the process that falls into the aquatic and atmosphere fully contact, reach the purpose that purifies district water scenery water, and this device operation is not consumed energy, can increase the recreational of the ornamental of district water scenery and resident's body -building in the time of green again.

Probable Assignee: UNIV ZHEJIANG WATER RESOURCES AND ELECTRIC POWER

Earliest Publication Date: 20180501



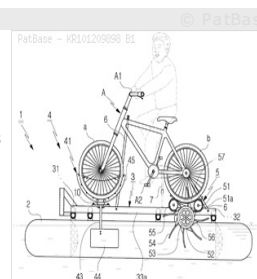
23) Family number: 52598504 (KR101209898 B1)

DETACHABLE A BICYCLE POWERED CATAMARAN

Abstract: Source: KR101209898 B1 PURPOSE: A catamaran driven by a detachable bicycle is provided to stop and drive aquatic play equipments on the water and to be driven by mounting a general bicycle on the catamaran without the structural change of the bicycle. CONSTITUTION: A catamaran driven by a detachable bicycle comprises a pair of buoyancy members(2), a base frame(3), a front wheel mounting part(41), a recessed groove, a rotary shaft(43), a bearing, a steering plate(44), a driving belt(51a), a driven shaft(52), impellers(53), and a chain(57). The base frame is fixed between the buoyancy members. The front wheel mounting part is protruded upward from the front of the base frame. The recessed groove is formed in the front wheel mounting part. The rotary shaft vertically penetrates the base frame from the bottom of the front wheel mounting part. The bearing is installed between the rotary shaft and the base frame. The steering plate is installed at the bottom of the rotary shaft in a direction same as a front wheel(a) of a bicycle(A). The driven shaft is interlocked with the driving belt and a pulley. The impellers are installed in both ends of the driven shaft to rotate with the driven shaft.

Probable Assignee: KIM YUN SEONG

Earliest Publication Date: 20121220



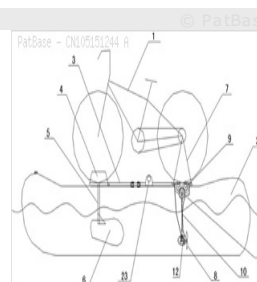
24) Family number: 61146842 (CN105151244 A)

AQUATIC EQUIPMENT FOR BICYCLE

Abstract: Source: CN105151244 A The invention relates to aquatic equipment for a bicycle. The aquatic equipment comprises an inflatable boat and a driving device, wherein the inflatable boat comprises a left-chamber inflatable boat body, a right-chamber inflatable boat body and a bracket enabling the left-chamber inflatable boat body and the right-chamber inflatable boat body to be connected together and supporting the bicycle, wherein a front bearing plate and a clamp for clamping or loosening a front wheel of the bicycle are arranged at the middle part of the front end of the bracket; a connecting shaft which penetrates through the front bearing plate is vertically arranged at the bottom end of the clamp; a rudder is arranged at the bottom end of the connecting shaft and stretches into water; supporting racks for supporting rear wheel axles of the bicycle are respectively arranged on two sides of the rear end of the bracket; the driving device is positioned at the middle part of the rear end of the bracket, and comprises a driving device body and a propeller; friction wheels driven by the friction of a rear wheel of the bicycle, and a steering transmission device are arranged in the driving device body; the propeller is driven by the steering transmission device to rotate. Compared with the prior art, the aquatic equipment disclosed by the invention can be directly and effectively combined with the bicycle, and the bicycle does not need to be demounted, so that the aquatic equipment is simple and quick to assemble; amphibious functions of the bicycle are quickly realized, and the aquatic equipment is convenient to use.

Probable Assignee: CHENGDU QIXIA TECHNOLOGY CO LTD

Earliest Publication Date: 20151216



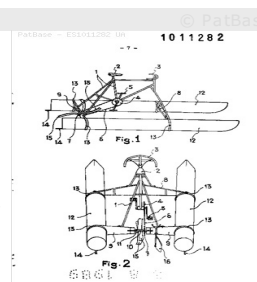
25) Family number: 17225810 (ES1011282 UA)

RECREATIONAL WATERCRAFT. (MACHINE-TRANSLATION BY GOOGLE TRANSLATE, NOT LEGALLY BINDING)

Abstract: Source: ES1011282 UA AQUATIC RECREATION VEHICLE, ESSENTIALLY CHARACTERIZED BECAUSE IT INCLUDES A GENERAL FRAME CONSTITUTIVE OF A BICYCLE FRAME, IN WHICH A UPPER SEAT AND A GUIDE STEERING WHEEL ARE DISPOSED, AS WELL AS A LOWER PEDALIER AXLE; WITH THE PARTICULARITY THAT SUCH GENERAL FRAME IS DISPOSED, WITH A REMOVABLE CHARACTER, ON A FRONT SUPPORT OR BRIDGE AND ON A REAR SUPPORT, THESE TWO SUPPORTS ARE FIXED THROUGH A COUPLING OF SIDE-SIDED POLYURETHANE PIPES, FORMING LONGITUDINAL AND LOWER DECK ON EACH OF THEM; HAVING PROVIDED THAT THE REAR SUPPORT IS FORMED BY TWO EQUAL PARTS FACING THEMSELVES, BETWEEN WHICH A ROTATING AXLE IS MOUNTED, WHICH MOUNTS A BUCKET WITH RADIAL IMPULSION BLADES AND A SPROCKET WHICH RECEIVES A TURN MOVEMENT THROUGH A CROSSROAD. DISH MOVED BY THE PEDALIER SET. (Machine-translation by Google Translate, not legally binding)

Probable Assignee: HERRERO MADRAZO ANGEL

Earliest Publication Date: 19900316



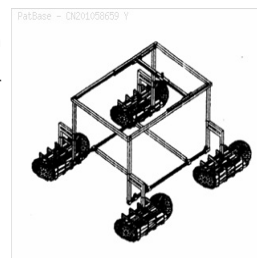
26) Family number: 41876051 (CN201058659 Y)

WATERBORNE FLOATER BALANCER STABILIZER

Abstract: Source: CN201058659 Y The utility model provides an aquatic floating carrier balancer centralizer which is used as a special support part on the amphibious bicycle or used as a safety auxiliary part of aquatic articles such as boats, submarines and rubber boats. A main shaft, a main shaft horizontal connection rod, pillar rails, horizontal and vertical positioning rods at top end of the pillar rail are combined to a 3D rectangular frame body, the four pillar rails are four support points of centralizer on horizontal plane, the base of the support points is composed of upper and lower slide float carriers, the float carrier slide sleeve is the original point of fixing steel wire rope, the push rod moving sleeve is the end point of fixing steel wire rope, thereby forming a mutual-moving body to push the operation handle, the float carrier performs symmetric front-lifting rear-descending, front-descending rear-lifting, or left-lifting and right-descending, or left-descending and right-lifting. The lifting and descending of front, rear, left and right diagonal float carriers can also be adjusted symmetrically, thereby realizing timing adjustment of height of the float carrier at each support point. The supported boats, ships, submarines and amphibious bicycles are at natural balance state, thereby improving comfort and safety of operator so as to reach the purpose of aquatic floating carrier balancer centralization.

Probable Assignee: JIANJUN TANG

Earliest Publication Date: 20080514



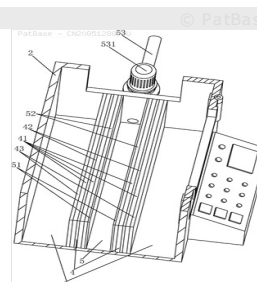
27) Family number: 73249132 (CN208512887 U)

FRAME SPRAYING EQUIPMENT WITH WATER PROCESSOR CONSTRUCTS

Abstract: Source: CN208512887 U The utility model discloses a frame spraying equipment with water processor constructs, belong to bicycle processing equipment technical field, it contains more coating impurity to have the water thatflows out in the spray booth, thereby it influences technical problem to cause site work environment on every side, its technical scheme main points are including transporting track and spray booth,the spray booth has feed end and discharge end, transport the feed end entering of track from the spray booth, feed chute and blown down tank have been seted up on the feed end of spray booth and thedischarge end, it has the couple of transportation to transport to carry on on the track, is equipped with spraying manipulator in the spray booth, is equipped with the shower nozzle on the inner wallof spray booth, and the spray direction of shower nozzle is towards the inner wall, divide into primary treatment district, one -level precision processing district and second grade precision processing district on the spray booth bottom, be equipped with the one -level partition panel between primary treatment district and the one -level precision processing district, be equipped with the secondgrade partition panel between one -level precision processing district and the second grade precision processing district, reach the effect of the content of the aquatic coating of reduction spray booth outflow.

Probable Assignee: TIANJIN HELIJIA TECH CO LTD

Earliest Publication Date: 20190219



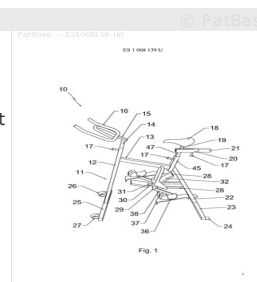
28) Family number: 42137604 (ES1068139 UA)

PERFECTED WATER BICYCLE FOR ITS USE IN THE WATER (MACHINE-TRANSLATION BY GOOGLE TRANSLATE, NOT LEGALLY BINDING)

Abstract: Source: ES1068139 UA Aquatic bicycle perfected for use in water of which are formed by a frame without wheels and with supports to immobilize them at the bottom of a pool and the like, characterized in that said bicycle (10) comprises a chassis (11) formed by welding some profiles (12-13-22-23-25-28-45), in which a handlebar (15-16), a saddle (18), a pedal box (30) are incorporated, and to facilitate the assembly and positioning of the bicycle (10) some wheels (26) in its front part and some support plates (24) in its rear part, said pedal box (30) incorporating means for adjusting the orientation of rotating blades (32) integral with the axis (29) of rotation of the pedals (35), and water resistance means formed by plates (37). (Machine-translation by Google Translate, not legally binding)

Probable Assignee: OLOGY S L

Earliest Publication Date: 20080901



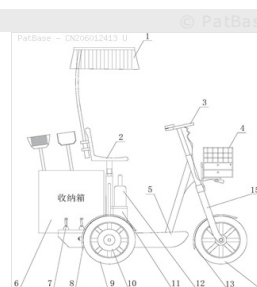
29) Family number: 65177412 (CN206012413 U)

CAR IS PATROLLED AND EXAMINED TO MULTI -FUNCTIONAL ELECTRONIC TRICYCLE

Abstract: Source: CN206012413 U The utility model discloses a car is patrolled and examined to multi -functional electronic tricycle includes: the chassis that the level set up, the well rear portion both sides on this chassis are equipped with two drive wheels that the axial symmetry set up, every respectively the drive wheel by built -in in - wheel motor driving, be provided with vertical fixed frame on the axis of drive wheel, be fixed with in the frame vertical fixed, height -adjustable's back shaft, the top of this back shaft is equipped with the seat, the preceding battery box that is equipped with the battery and holds the battery of frame, the front end on chassis is connected with the front fork of control vehicle direction of advance, and the top of front fork is equipped with the handlebar, and the bottom is equipped with the wheel. Can be applied to that the square is patrolled, the rubbish clearance, transportation junction, the commercial center and the workshop tour the record, it transports living aquatic foods, express delivery, newspaper and other smalls transportations etc. Also to can be used to the express delivery. What both had the tricycle carries thing, manned function, the power that has electric bicycle again is strong, safety, environmental protection, save time, advantage such as laborsaving. Each main annex all can be dismantled.

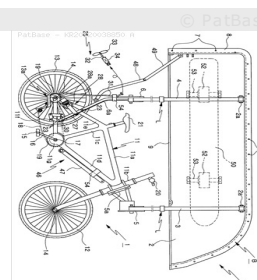
Probable Assignee: ZHANG SHICHEN

Earliest Publication Date: 20170315



30) Family number: 50954544 (KR20120038850 A)

ROOF TYPE AMPHIBIOUS BICYCLE



Abstract: Source: KR20120038850 A PURPOSE: A roof-type amphibious bicycle is provided to realize a land bicycle by rotating a boat member upward and to realize an aquatic bicycle by rotating the boat member downward.
CONSTITUTION: A roof-type amphibious bicycle comprises a left and right boat member(2), a length adjustable unit(L), a support bar(47), a rear fixing bracket(6a), a rear support bar(48), and a support unit. The left and right boat member can be divided to left and right sides. The length adjustable unit controls distance between a bicycle(1) and the left and right boat member. Both ends of the support bar is connected to the left and right boat member and the bicycle to prevent the bicycle from shaking horizontally when the bicycle is placed on the upper part of the left and right boat member. The rear fixing bracket is installed in the rear side of a bicycle frame(11). Both ends of the rear support bar are connected to the left and right boat member. The support unit has an auxiliary support bar(49). If the bicycle is used on the water, the auxiliary support bar is installed in one side of the left and right boat member. If the bicycle is used in land, both ends of the auxiliary support bar are connected to the one end of the rear support bar connected to the boat member and one side of the boat member.

Probable Assignee: KANG YOUNG KWAN

Earliest Publication Date: 20120424