

20 Documents

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CN201962688U U	Diaphragm wall wharf pile foundation structure	FIRST ENGINEERING
CN203684221U U	Screw pile anchorage structure for sheet-pile wharf	CCCC FHDI ENGINEERING
CN108086252 A	Anti-collision protection structure for wharf	ZHEJIANG OCEAN UNIVERSITY
CN201704670U U	Bank protection structure for caisson wharf	SHEN DIZHOU, ...
CN102995602 A	Structure and construction method of muddy coast sheet pile wharf	CCCC THIRD HARBOR CONSULTANTS
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CN206768731U U	Armoured type light wharf structure	GUANGZHOU YUEKE ENGINEERING CONSTRUCTION SUPERVISION & CONSULTING
CN203834422U U	Novel high-pile wharf	TIANJIN PORT & CHANNEL ENGINEERING
CN106192880 A	L-shaped tank type wharf and construction method thereof	SOUTHEAST UNIVERSITY NANJING

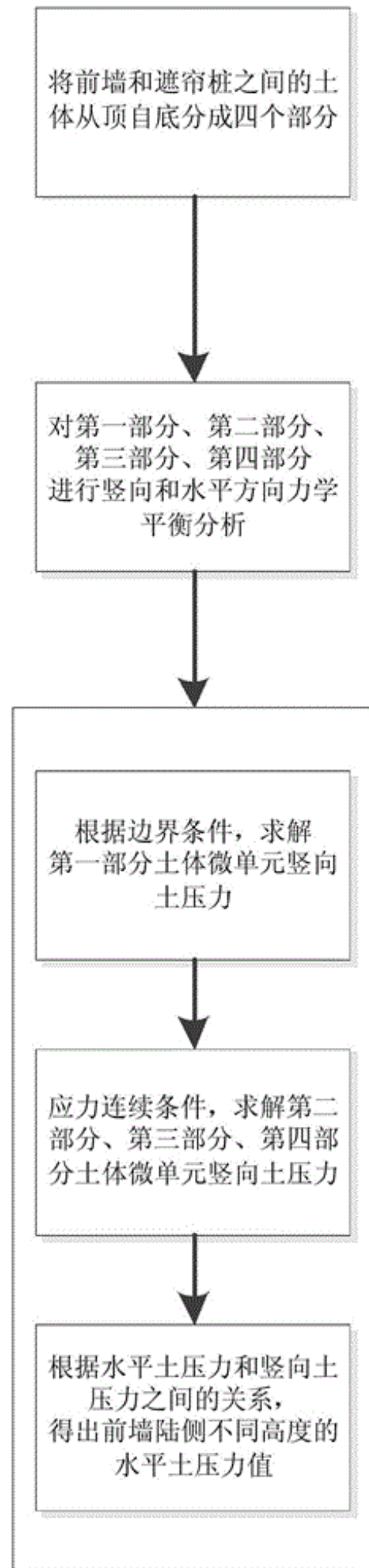
Family 1/20 - FAMPAT - ©Questel

Title

(CN106284201)

Calculation method for front wall landside horizontal soil pressure load of covering-sheet-type sheet-pile wharf

Images



Publication numbers with kind code & date

CN106284201	B	2019-03-01	CN106284201B
CN106284201	A	2017-01-04	CN106284201

**Abstract**

(CN106284201)

The invention discloses a calculation method for the front **wall** landside horizontal soil **pressure** load of a covering-sheet-type sheet-pile **wharf**. The method is based on the horizontal displacement characteristics of the front **wall** and covering-sheet piles of the covering-sheet-type sheet-pile **wharf**, and the calculation method for calculating the front **wall** landside horizontal soil **pressure** load of the covering-sheet-type sheet-pile **wharf** is built through soil micro-unit mechanical equilibrium analysis; the defect of large error of a traditional soil **pressure** calculation method is overcome through the calculation method, and meanwhile, influence of deformation of a **wall** body and other structures on soil **pressure** calculation is also taken into account; the defect of the traditional design method that a pseudomorph parameter of a soil spring coefficient relies an experience value excessively is also solved; the load calculation method is provided for design of a sub covering-sheet-type sheet-pile **wharf**, especially the front **wall**; and technical support is provided for promotion and application of the covering-sheet-type sheet-pile **wharf**.

Inventors

谭慧明

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MEI TAOTAO

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Latest standardized assignees - inventors removed

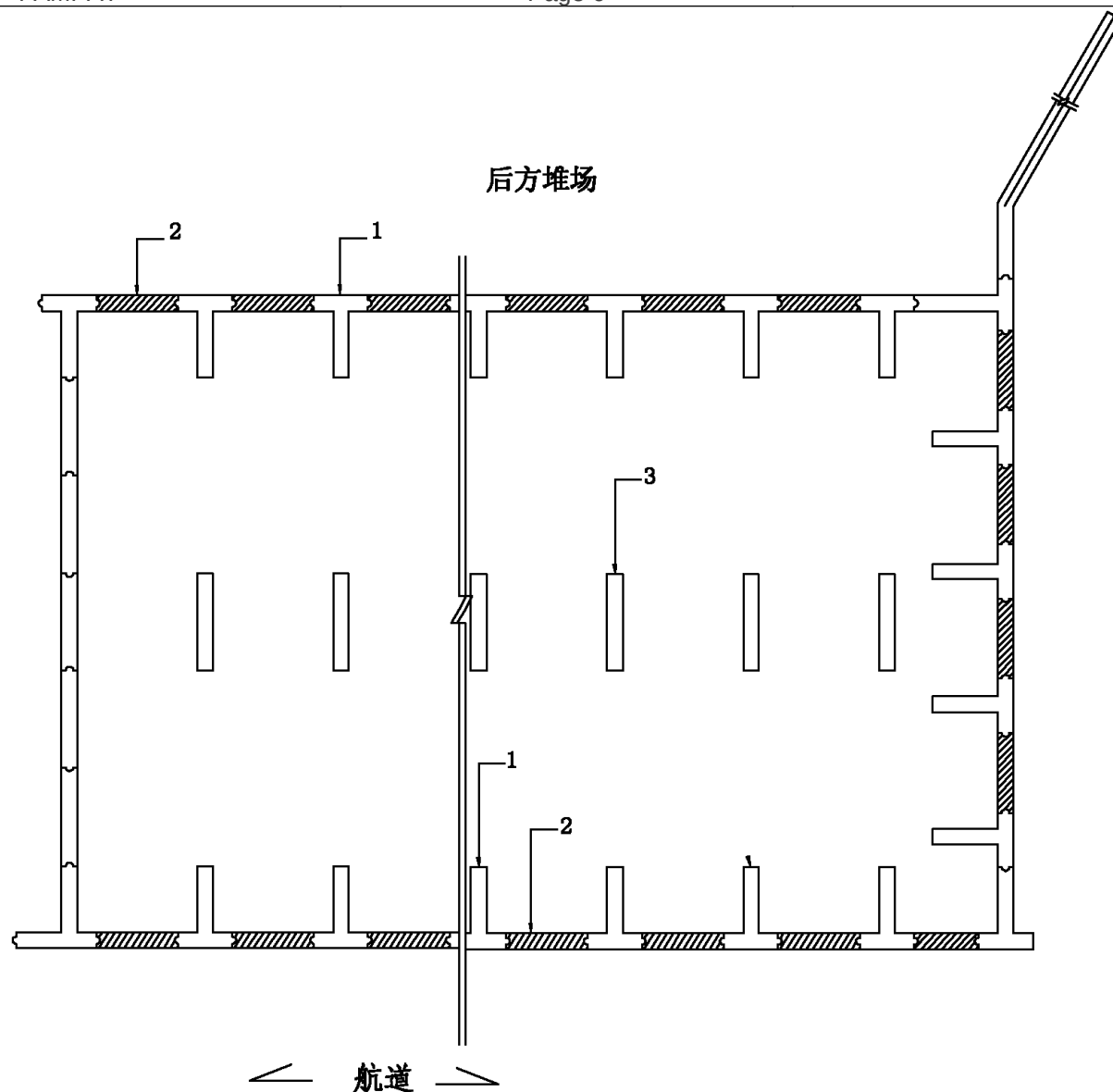
HOHAI UNIVERSITY

Family 2/20 - FAMPAT - ©Questel

Title

(CN201962688U)

Diaphragm **wall wharf** pile foundation **structure****Images**

**Publication numbers with kind code & date**

CN201962688

U

2011-09-07

CN201962688U

**Abstract**

(CN201962688)

The utility model discloses a diaphragm wall wharf pile foundation structure. The diaphragm wall wharf pile foundation structure is characterized in that T-shaped unit piles are used as main structural units to form an enclosed diaphragm wall wharf pile foundation, and are provided with T-shaped cross sections. The foundation structure fully utilizes the characteristic of the T-shaped sections that when the sectional areas are equal, the outer surface areas and sectional anti-bending coefficients of the T-shaped sections are larger than those of round or square sections, so as to increase the friction areas and structural rigidities of the pile bodies and the soil body, further shorten the pile length of the wharf foundation, reduce the number of the piles, improve the vertical bearing capability and horizontal rigidity of a wharf structure, and achieve the aim that the sedimentation transformation and horizontal replacement of a wharf can be effectively controlled.

Inventors

CHEN MI

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Latest standardized assignees - inventors removed

FIRST ENGINEERING

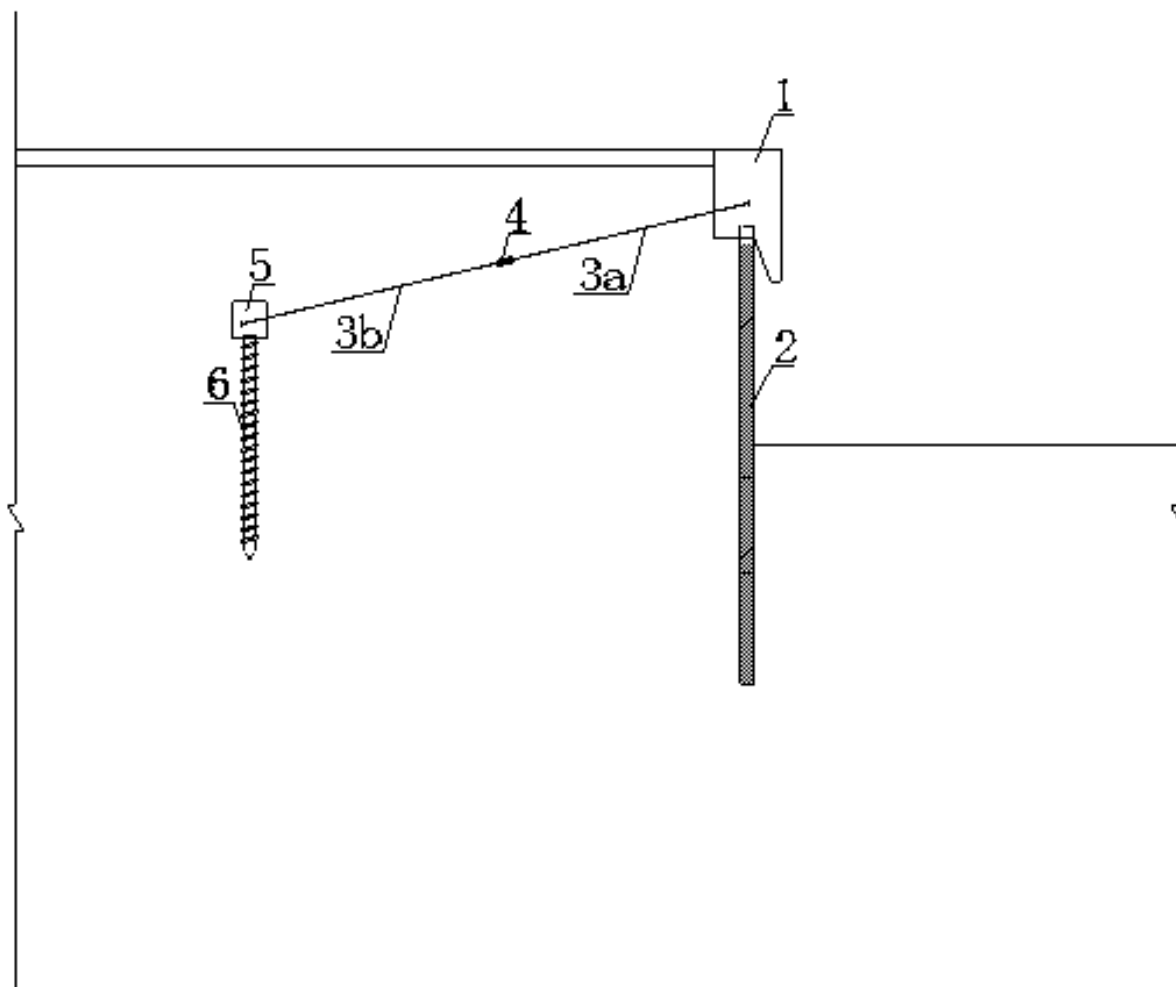
Family 3/20 - FAMPAT - ©Questel

Title

(CN203684221U)

Screw pile anchorage **structure** for sheet-pile **wharf**

Images



Publication numbers with kind code & date

CN203684221

U

2014-07-02

CN203684221U



Abstract

(CN203684221)

The utility model discloses a screw pile anchorage **structure** for a sheet-pile **wharf**. The screw pile anchorage **structure** for the sheet-pile **wharf** is reasonable in **structure**, low in manufacturing cost and good in anchorage effect and is technically characterized by comprising a breast **wall** and a front sheet-pile **wall**, wherein the front sheet-pile **wall** is connected in the breast **wall** in an inserting mode and extends into the breast **wall**. One ends of first pull rods are fixed to the breast **wall**, and the other ends of the first pull rods are fixedly connected with one ends of second pull rods. A cap beam is fixedly connected with the other end of at least one second pull rod, and a screw pile is fixedly connected under the cap beam in an inserting mode. The screw pile anchorage **structure** for the sheet-pile **wharf** belongs to the technical field of anchorage.

Inventors

LI JIAHUA

DAI XIAOXUAN

YANG YIPING

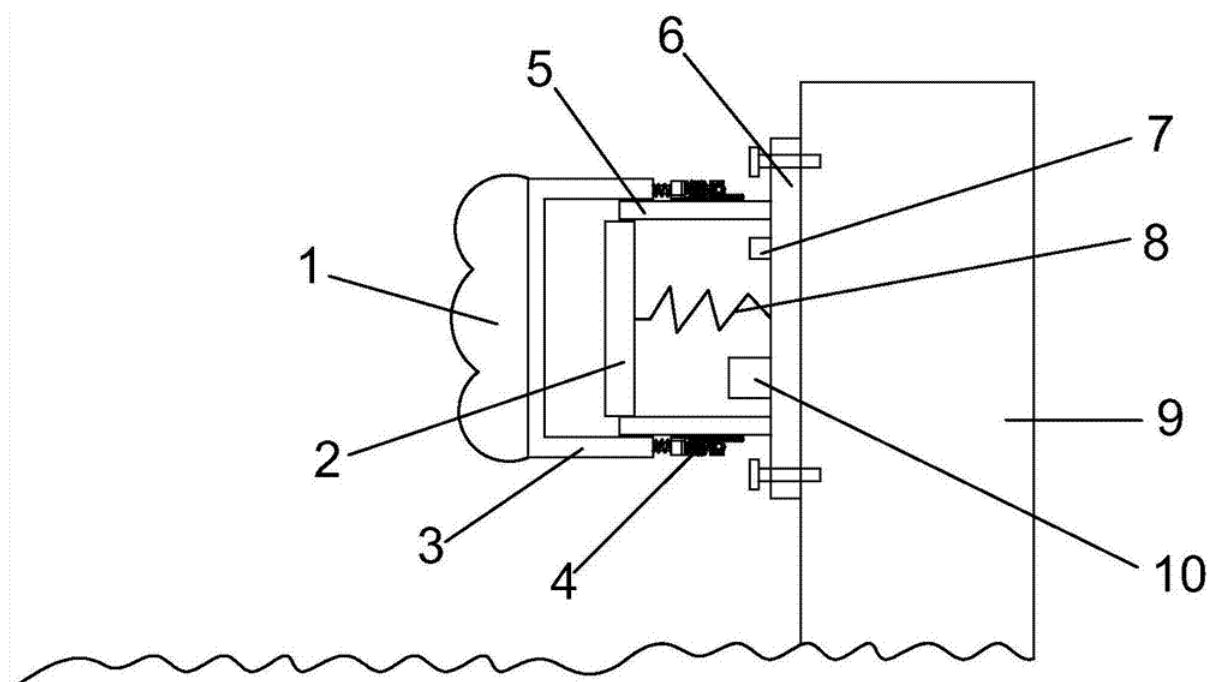
Latest standardized assignees - inventors removed

CCCC FHD ENGINEERING

Family 4/20 - FAMPAT - ©Questel

Title

(CN108086252)

Anti-collision protection **structure** for **wharf****Images****Publication numbers with kind code & date**[CN108086252](#)

A

2018-05-29

CN108086252

**Abstract**

(CN108086252)

The invention relates to the technical field of wharfs, in particular to an anti-collision protection **structure** of a **wharf**. The anti-collision protection **structure** for the **wharf** comprises an anti-collision protection plate with the cross section being in a U shape and a fixing plate fixed to the **wharf**. Buffering plates are arranged at the two ends of the fixing plate correspondingly, the side faces of the two ends of the anti-collision protection plate are slidably connected with the side faces of the buffer plates, buffer protection devices are arranged on the side faces of the two buffer plates correspondingly, and each buffer protection device comprises a positioning plate, a positioning block, a stress rod, a movable shaft, a flywheel and a rack belt arranged on the positioning plate and in transmission fit with the flywheel. The other ends of the stress rods are fixedly connected with the end face of the anti-collision protection plate, the flywheels are movably connected with the movable shafts, auxiliary plates fixed to the positioning plates are arranged on the two sides of the positioning blocks, buffer springs are connected to the positions between the auxiliary plates and the movable shafts, and buffer springs are arranged between the end face of the anti-collision protection plate and the side faces of the positioning blocks around the stress rods. The anti-collision protection **structure** for the **wharf** is good in anti-collision property, long in service life and high in safety.

Inventors

GAO HUAXI

Latest standardized assignees - inventors removed

ZHEJIANG OCEAN UNIVERSITY

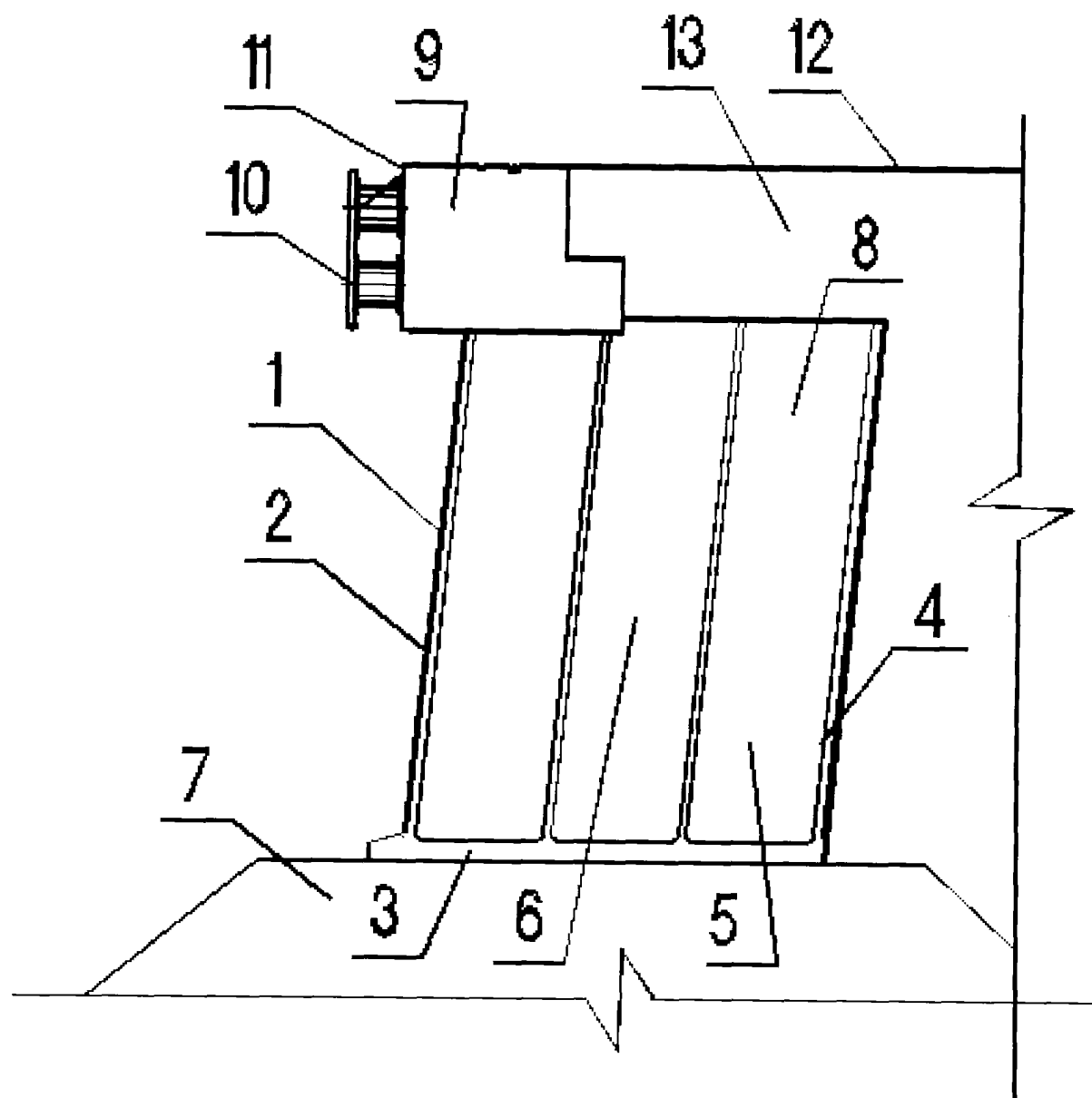
Family 5/20 - FAMPAT - ©Questel

Title

(CN201704670U)

Bank protection **structure** for caisson **wharf**

Images



Publication numbers with kind code & date

CN201704670

U

2011-01-12

CN201704670U



Abstract

(CN201704670)

The utility model provides a bank protection **structure** for a caisson **wharf**, which comprises a caisson, a foundation bed, a breast **wall** and fillers. A caisson with an inclined bottom surface can be mounted on a horizontal foundation bed; or, a common caisson can be mounted on a foundation bed inclined backwards; or, the caisson with the inclined bottom surface can be mounted on a foundation bed inclined backwards, wherein the inclination of the caisson is higher than 4%, thus tilting the rear **wall** of the caisson backwards and forming the bank protection **structure** for the caisson **wharf** inclined backwards. The utility model can reduce the soil **pressure**, improve the stability of the caisson **structure**, ensure the reasonable stress of the foundation bed and reduce the risk of the accidental crash of ships; and the rear rails of the portal crane can be mounted on the caisson under the specific conditions, so as to reduce the deformation caused by the difference between the front rail and rear rail of the portal crane.

Inventors

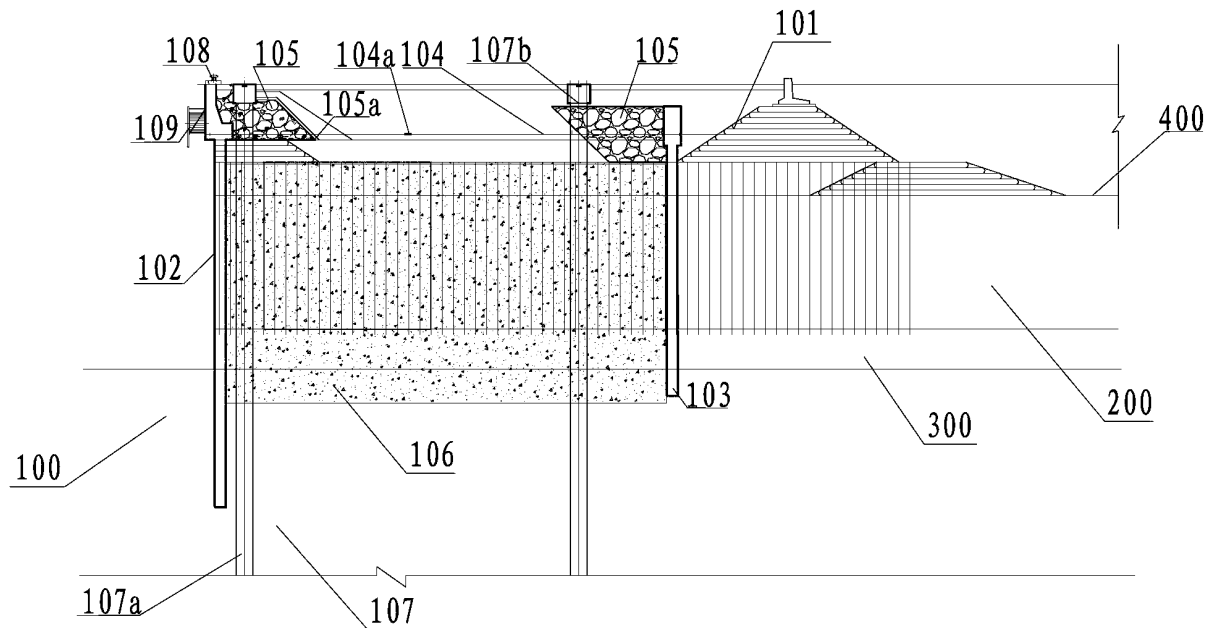
SHEN DIZHOU

SHEN RENZHONG

Family 6/20 - FAMPAT - ©Questel

Title

(CN102995602)

Structure and construction method of muddy coast sheet pile **wharf****Images****Publication numbers with kind code & date**

CN102995602	B	2015-10-28	CN102995602B
CN102995602	A	2013-03-27	CN102995602

**Abstract**

(CN102995602)

The invention discloses a **structure** and a construction method of a muddy coast sheet pile **wharf**. The **wharf** is formed by combining a temporary causeway, a front sheet pile **wall**, a rear anchoring **wall**, an anchoring pull rod and a reinforcing soil body between the front sheet pile **wall** and the rear anchoring **wall**, wherein the temporary causeway is arranged on a muddy foundation, the front sheet pile **wall** and the rear anchoring **wall** penetrate through a dike body and a sludge layer to enter into a soil layer with high bearing capacity; a track pile foundation is piled; reinforcing the sludge between the front sheet pile **wall** and the rear anchoring **wall** by virtue of a cement mixing pile; throwing and filling rock mound behind the front sheet pile **wall** and the rock mound in front of the rear anchoring **wall**; and connecting the front sheet pile **wall** with the rear anchoring **wall** by virtue of the anchoring pull rod, and finally combining the integral sheet pile **structure**. The sheet pile **wharf** constructed by the invention

Inventors

CHENG ZEKUN

LI WU

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Latest standardized assignees - inventors removed

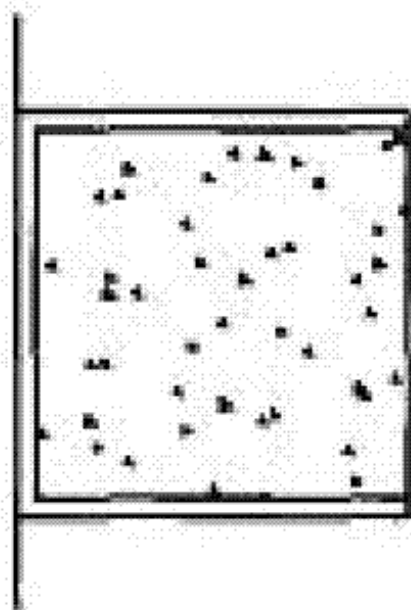
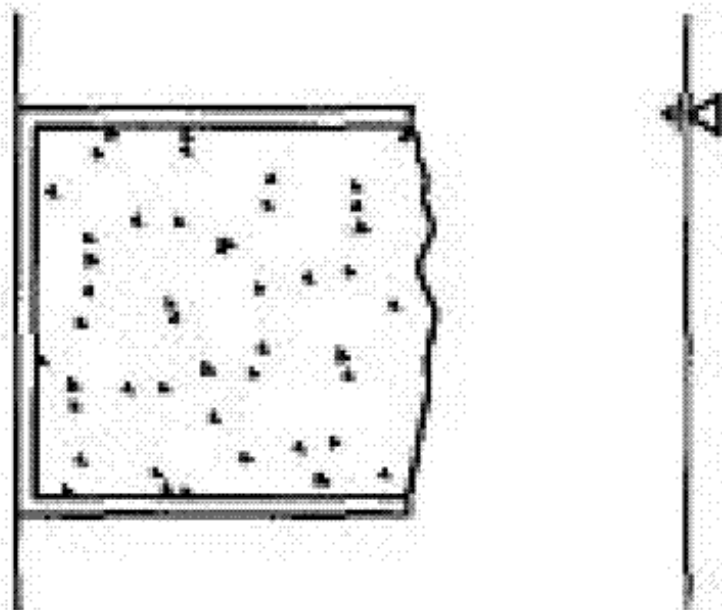
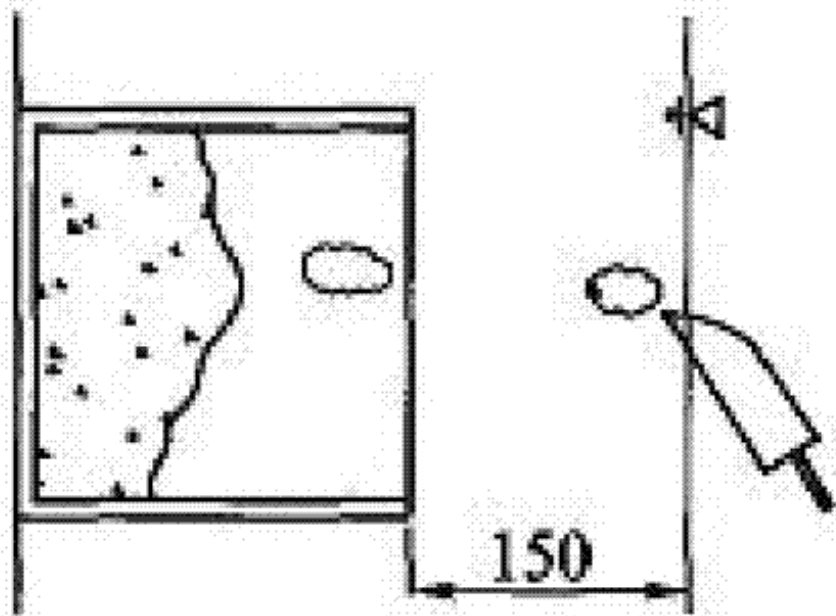
CCCC THIRD HARBOR CONSULTANTS

Family 7/20 - FAMPAT - ©Questel

Title

(CN108951608)

Construction method for reinforcement of underwater concrete **structure** of underground diaphragm **wall wharf****Images**



Publication numbers with kind code & date

CN108951608

A

2018-12-07

CN108951608

**Abstract**

(CN108951608)

The invention discloses reinforce Diaphragm Wall Wharf underwater concrete structure construction engineering method, including the following steps: marine organisms are cleared up in area to be repaired submarine inspection, area to be repaired, loose concrete chisel removal, underwater reinforcing bar repair welding reinforcing, underwater drilling are laid form tie, underwater formwork erection and sealing, underwater grouting and demoulding and checked and accepted in area to be repaired. Advantages of the present invention: having many advantages, such as that repairing and reinforcement is high-efficient, easy to operate, safe and reliable, and repairing and reinforcement effect is easy to that detection, repair materials intensity height, repair materials low cost, that damaged face cleaning efficiency is high, template support is solid and reliable, pressure grouting is guaranteed the quality is efficient.

Inventors

GUO BAOZONG

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Latest standardized assignees - inventors removed

BONAD PORT ENGINEERING

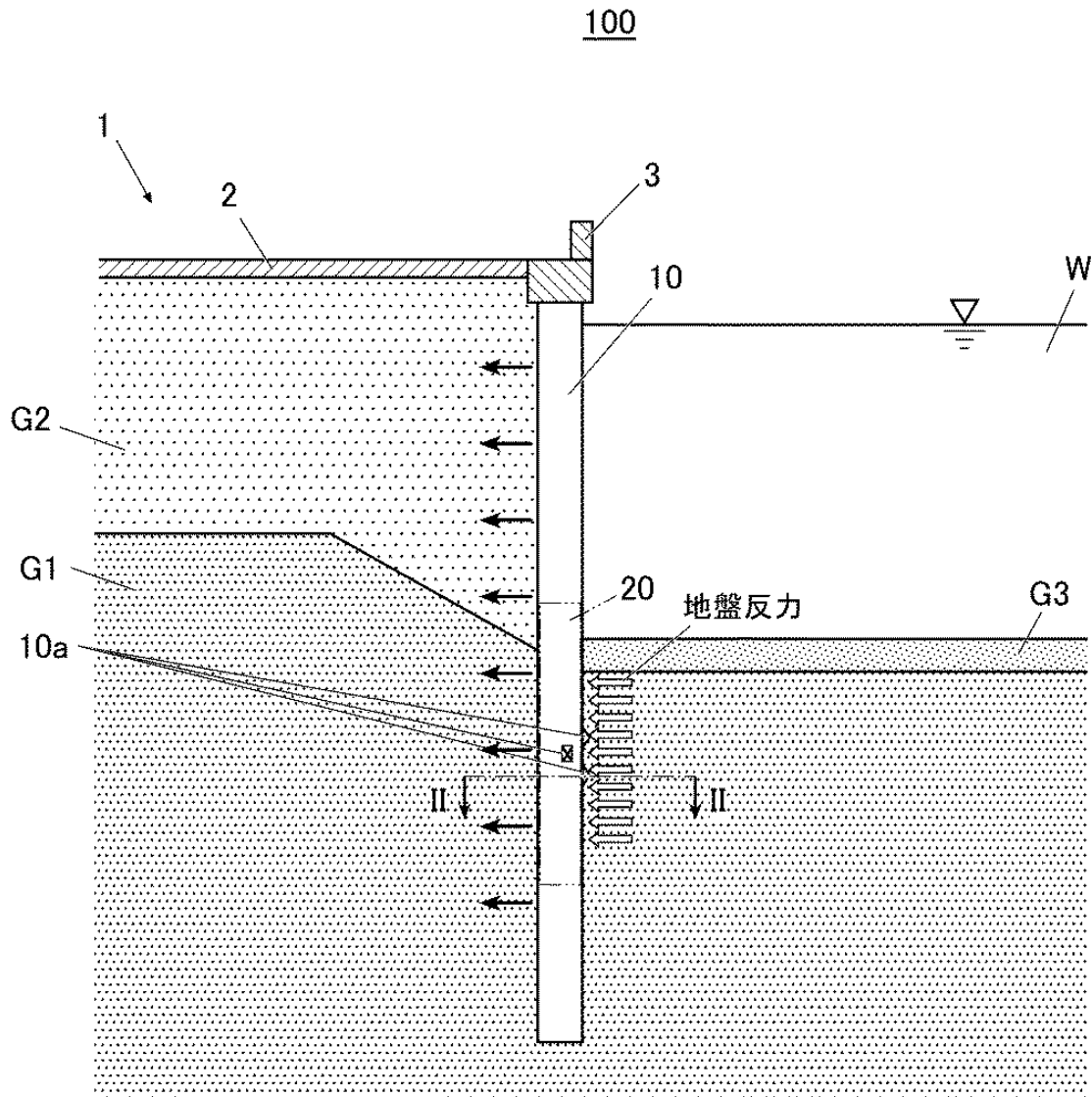
Family 8/20 - FAMPAT - ©Questel

Title

(JP2015108264)

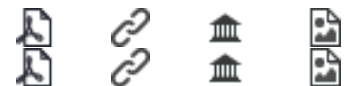
Wharf wall reinforcement structure and wharf reinforcement method

Images



Publication numbers with kind code & date

JP6325803	B2	2018-05-16	JP6325803
JP2015108264	A	2015-06-11	JP2015108264



Abstract

(JP2015108264)

PROBLEM TO BE SOLVED: To provide a **wharf wall** reinforcement **structure** and a **wharf** reinforcement method that achieve construction on various wharves at low costs.

SOLUTION: After a steel pipe pile 10 provided with a plurality of slit opening parts is embedded in an array along a **wharf** 1 and the slit opening parts are pressed from inside the pile material to be spread, a solidification material 20 is pressed and charged in the steel pipe pile 10 to form a projection part 10a at a part of the steel pipe pile 10 to be embedded in a sea bottom and on a sea-side foundation on the opposite surface side from the **wharf**. A foundation G1 on a front side (sea side) of the embedment part of the steel pipe pile 10 is reinforced by compaction with a plurality of projection parts 10a formed on the front of the steel pipe pile 10, and a foundation G1 on a back side (**wharf** 1 side) is also reinforced by compaction.

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Inventors

KITAMURA MORIO

Latest standardized assignees - inventors removed

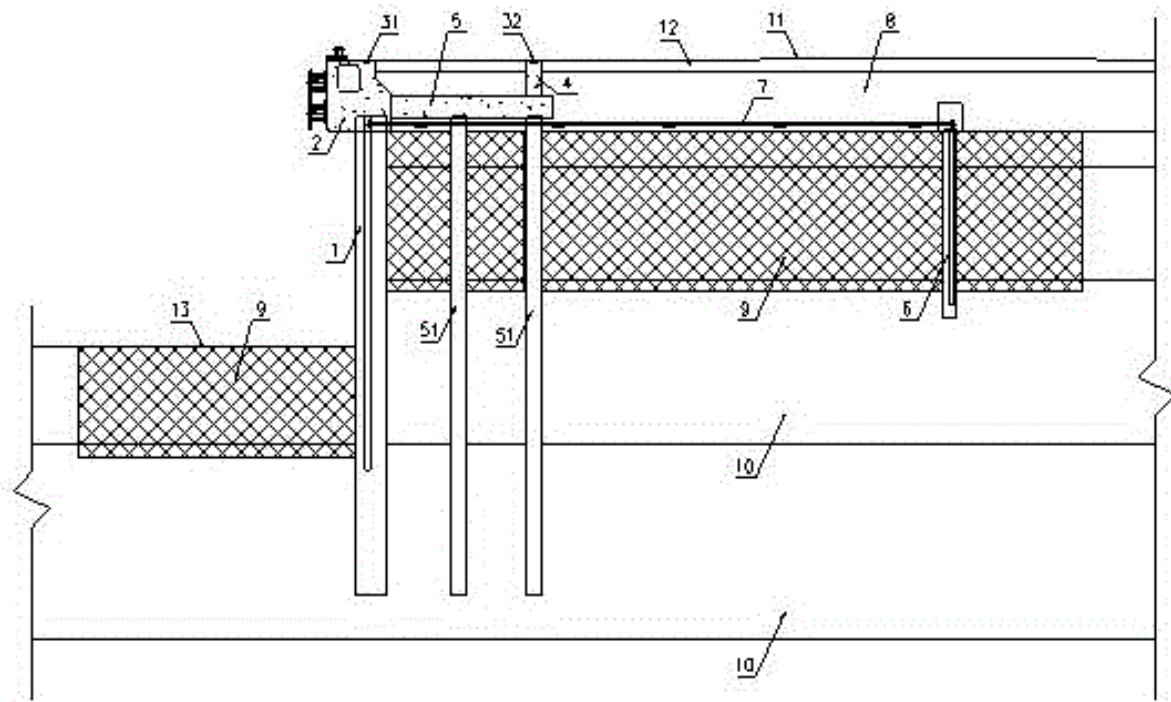
GIKEN SEISAKUSHO

Family 9/20 - FAMPAT - ©Questel

Title

(CN110438939)

Novel sheet pile wharf structure

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

CN110438939

A

2019-11-12

CN110438939

**Abstract**

(CN110438939)

The invention discloses a novel sheet pile wharf structure, which comprises a front sheet pile wall arranged at the front edge of a wharf, a cast-in-place reinforced concrete breast wall arranged above the front sheet pile wall, a cast-in-place reinforced concrete rear track beam, a cast-in-place reinforced concrete continuous unloading platform and an anchorage structure, wherein the cast-in-place reinforced concrete breast wall is arranged at the front edge of the wharf; the front plate pile wall is vertically fixed in foundation soil, a front rail and a rear rail are arranged on a wharf surface and are respectively positioned on the breast wall and the rear rail beam, and the breast wall and the rear rail beam are connected into a whole by a continuous unloading platform; an anchorage structure is arranged at the rear of the wharf, and the rear front plate pile wall and the anchorage structure are connected into a whole through a pull rod. The invention adopts the sheet pile wharf structure which is provided with the continuous unloading platform and uses the cement mixing pile to reinforce the foundation, thereby solving the problems of large internal force and large displacement of the front wall of the traditional sheet pile wharf structure; the problem that the gantry crane or the shore bridge cannot be used due to inconsistent displacement of the front rail and the rear rail of the wharf face is solved; the problem of the wharf face subside greatly and subside inhomogeneous influence the wharf face beautifully and the driving in the life of wharf face is solved, probably influence pier structure safety because of oppressing the pull rod even.

Inventors

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Latest standardized assignees - inventors removed

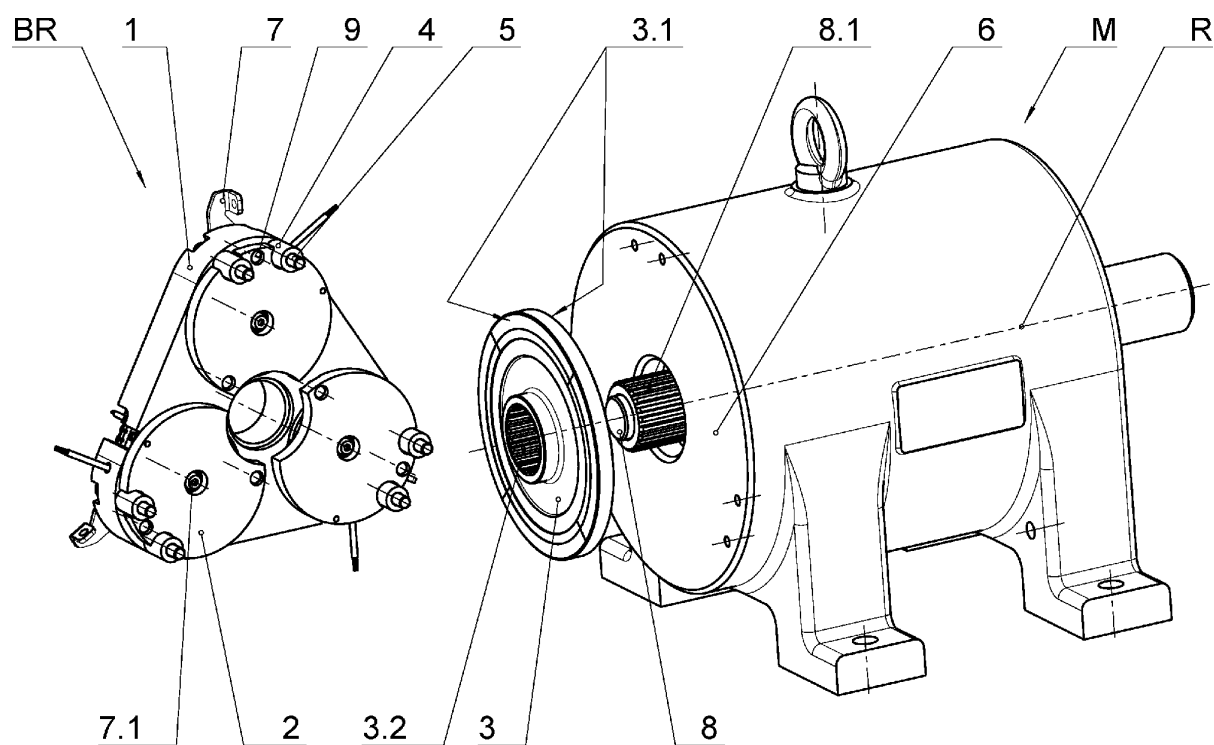
CCCC FHDI ENGINEERING

Family 10/20 - FAMPAT - ©Questel

Title

(DE102016121313)

Electromagnetic spring-pressure brake in the form of a multi-circuit brake triangle

Images**Publication numbers with kind code & date**[ES2613327](#)

B1

2018-01-15

ES2613327

[ES2613327](#)

R1

2017-06-02

ES2613327

[CN106763323](#)

A

2017-05-31

CN106763323

[IN201624039513](#)

A

2017-05-26

IN201624039513

[DE102016121313](#)

A1

2017-05-24

DE102016121313



[DE102016121313](#)

A1 2017-05-24

DE102016121313

[ES2613327](#)

A2 2017-05-23

ES2613327

[DE202015106367](#)

U1 2017-04-06

DE202015106367

**Abstract**

(DE102016121313)

The invention relates to an electromagnetically ventilating spring **pressure** brake (BR). The **pressure** brake is installed on a machine **wall** plate or a similar **structure** and comprises an axially movable brake rotor (3). The brake rotor comprises friction linings (3.1) which are continuous on two sides, i.e., the left side and the right side. The **pressure** brake (BR) comprises a coil rack (1) and multiple armature discs (2) disposed to the coil rack (1). In order to achieve the braking function, the brake rotor (3) is allowed to press the machine **wall** plate (6) or the similar **structure** on one side (left side) and press the armature discs (2) on the other side (right side). The **pressure** brake (BP) comprises the coil rack (1) with a triangular basic cross section. Three armature discs (2) are disposed to the coil rack (1).

(From CN106763323 A)

Inventors

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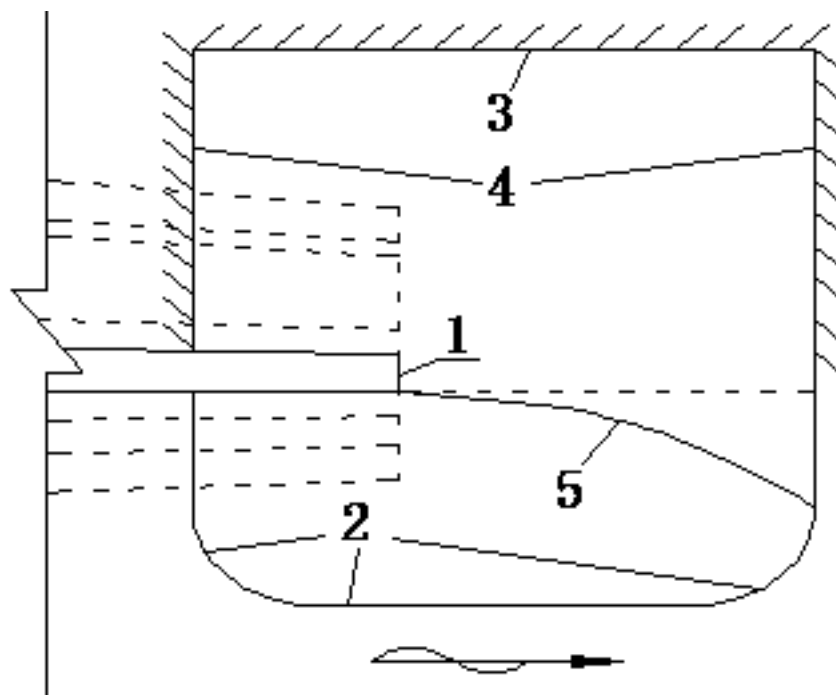
Latest standardized assignees - inventors removed

CHR MAYR

Family 11/20 - FAMPAT - ©Questel

Title

(CN104655439)

In-situ detection method for safety of gravity-type **wharf****Images****Publication numbers with kind code & date**[CN104655439](#)

B 2015-11-18

CN104655439B

[CN104655439](#)

A 2015-05-27

CN104655439

**Abstract**

(CN104655439)

The invention discloses an in-situ detection method for safety of a gravity-type wharf. The in-situ detection method comprises the steps of detection investigation, detection of scouring changing conditions of foundation bed and base, detection of horizontal displacement, settling and inclination of the wharf, detection of wharf structure pattern, detection of wharf foundation bearing capacity, detection of wharf foundation bed thickness and detection of wharf wall behind backfilling material and physical mechanic indexes thereof, as well as checking computation of stability against sliding, checking computation of stability against inclination, checking computation of foundation bed bearing capacity and checking computation of foundation bearing capacity based on the detection data. The method can conduct in-situ detection on the displacement, the deformation, the foundation and the main structure of the wharf under the premise that the integrity and the operability of the main structure of the built wharf are ensured, and accurately judges the safety of the wharf according to detection result.

Inventors

XIE YAOFENG

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Latest standardized assignees - inventors removed

SOUTHEAST UNIVERSITY NANJING

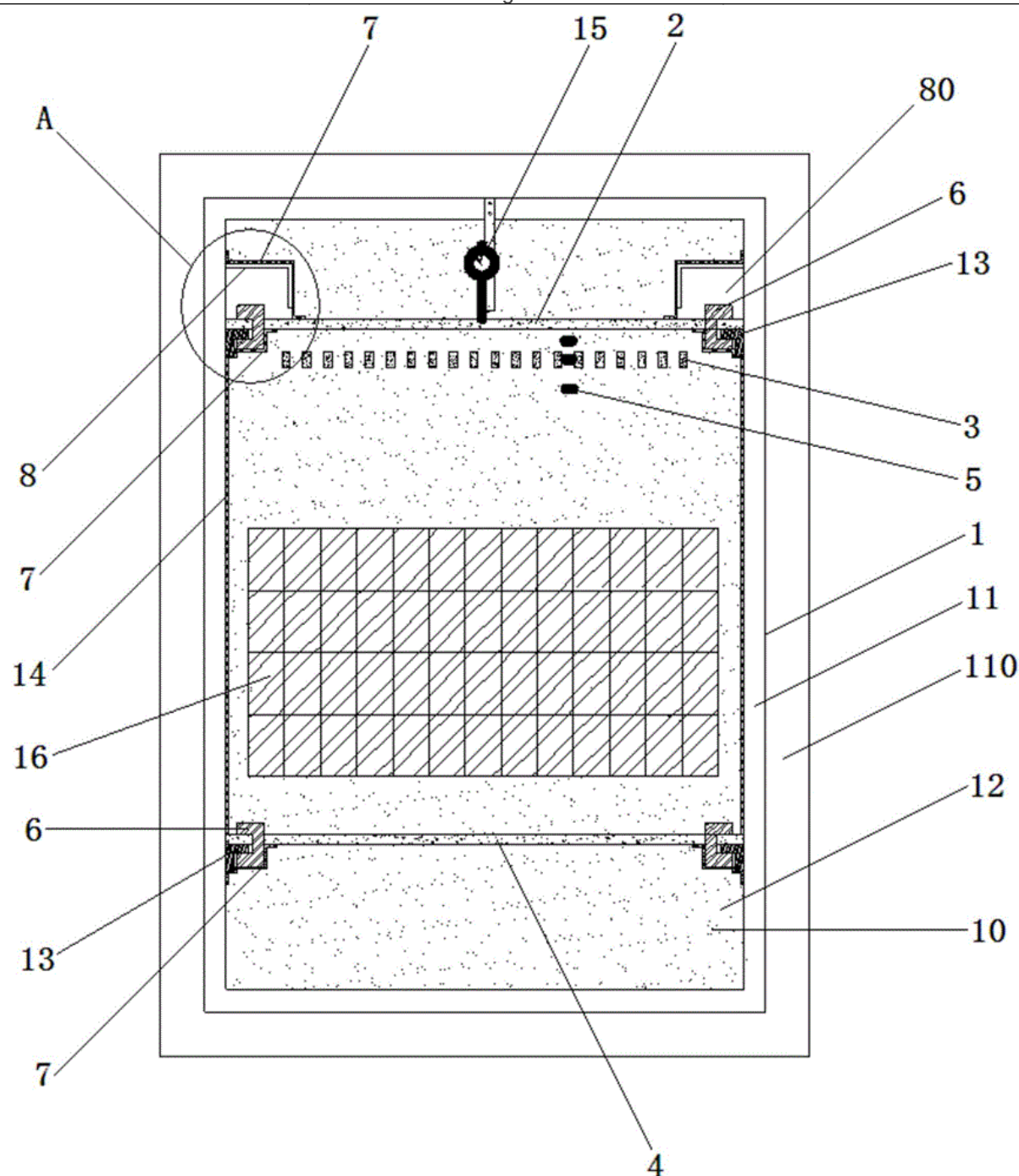
Family 12/20 - FAMPAT - ©Questel

Title

(CN105350488)

Test device for novel sheet-pile wharf and manufacturing method and test method of test device

Images



Publication numbers with kind code & date

CN105350488	B	2017-03-01	CN105350488B
CN105350488	A	2016-02-24	CN105350488



Abstract

(CN105350488)

The invention discloses a test device for a novel sheet-pile wharf and a manufacturing method and a test method of the test device. The test device comprises a model slot system and a measuring system. The model slot system comprises a model slot, a sheet-pile wall, piles and an anchor wall, wherein the sheet-pile wall, the piles and the anchor wall are arranged in the model slot in parallel. The measuring system comprises earth pressure cells, strain gages, dial indicators, tension meters, a collecting system and a computer, wherein the collecting system and the computer are sequentially connected. The novel test device for novel sheet-pile wharf structural models is compact in structure, convenient to disassemble and assemble, easy to manufacture, safe, reliable and high in practicability; the test device can be manufactured through the manufacturing method which is flexible to operate, efficient in construction and low in cost; effective structure parameters can be obtained through the test method which is simple and practicable and accurate in measurement, and therefore effective researching and testing of the bearing property of the sheet-pile wharf are achieved.

Inventors

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MEI TAOTAO

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WANG YAN

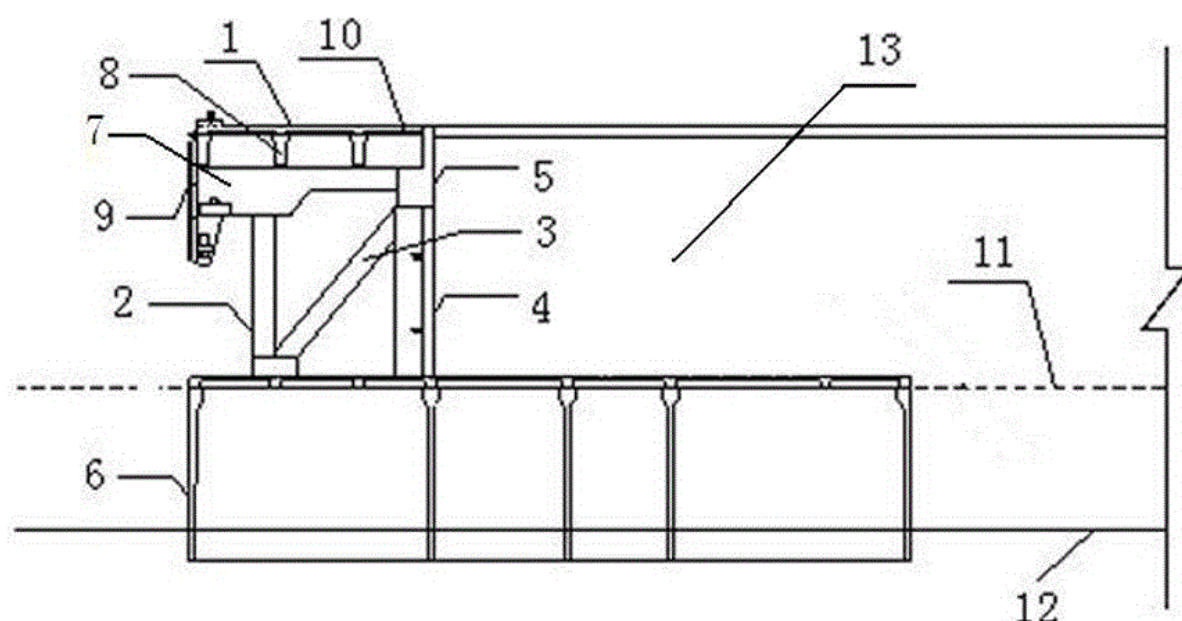
Latest standardized assignees - inventors removed

HOHAI UNIVERSITY

Family 13/20 - FAMPAT - ©Questel

Title

(CN205530115U)

Frame bucket **wharf structure****Images****Publication numbers with kind code & date**[CN205530115](#)

U

2016-08-31

CN205530115U

**Abstract**

(CN205530115)

The utility model discloses a frame bucket **wharf structure**, this **structure** comprises upper portion **wharf structure**, basic staving, frame post, diagonal brace, retaining **wall** and upper portion nose girder, upper portion **wharf structure** comprises crossbeam, longeron and pier panel, and the crossbeam top is equipped with the longeron, and the top of longeron is equipped with the pier panel, the upper portion nose girder is connected upper portion **wharf structure** with the retaining **wall** of below, the crossbeam is connected to the upper end of frame post, and the lower extreme and the basic staving of frame post are connected, the basis staving is the horizontal earth **pressure** that produces of the side of bearing rear hydraulic reclamation silt and the alongside load of upper portion **wharf structure** transmission mainly, combines to form upright bulkhead **wall** with the retaining **wall**, realizes the native function of fender, the retaining **wall** is connected to the right -hand member of diagonal brace, and the left end and the basic staving of diagonal brace are connected, the utility model discloses the pile foundation cost has been saved to pier conventional relatively, avoids construction on water, realizes the land -based area construction, reduces the operating expenses, and then reduce?project?cost.

Inventors

LI WU

CHENG ZEKUN

Latest standardized assignees - inventors removed

CCCC THIRD HARBOR CONSULTANTS

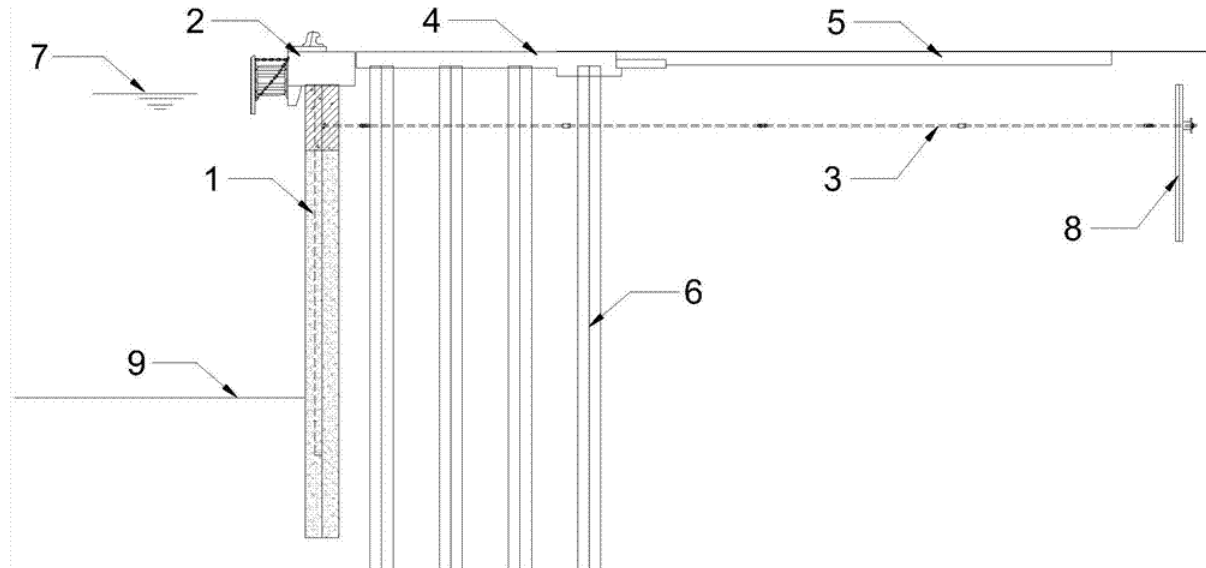
Family 14/20 - FAMPAT - ©Questel

Title

(CN206385500U)

Separation off-load formula **wharf** structure

Images



Publication numbers with kind code & date

CN206385500

U

2017-08-08

CN206385500U



Abstract

(CN206385500)

The utility model discloses a separation off-load formula **wharf structure**, including the off-load platform and the breastwork of disconnect-type, the breastwork is located off-load platform the place ahead, and the off-load platform is fixed through a plurality of pile foundations, and the pile foundation is inserted in the submarine soil body, the breastwork is fixed through preceding **wall**, and preceding **wall** inserts in the submarine soil body, and the upper portion position of **wall** is equipped with a plurality of pull rods in the front, be the **wharf surface structure** at the rear of off-load platform, the **wharf surface structure** division is the disconnect-type **structure** with the off-load platform, is equipped with the structural joint crack between the two, is equipped with the structural joint crack between off-load platform and the breastwork. The utility model discloses increasing the off-load platform of disconnect-type on the pier basis of current steel pipe matching board stake, encircling effect and window shade effect through the vertical load transfer function of off-load platform and the soil of pile foundation, **wall** soil **pressure** before reducing increases the bearing capacity of pier, and **wall** internal force and displacement before reducing increase the stability of **structure**, and the result of use of improvement pier has huge economic benefits and social effect.

Inventors

QIAN YUANMING

CHEN LIANGZHI

WANG TINGTING

LI ZHIGANG

WU GUOXIN

FAN LIANGLIANG

ZHUO ZHANTAO

YANG BIAO

YANG YIPING

Latest standardized assignees - inventors removed

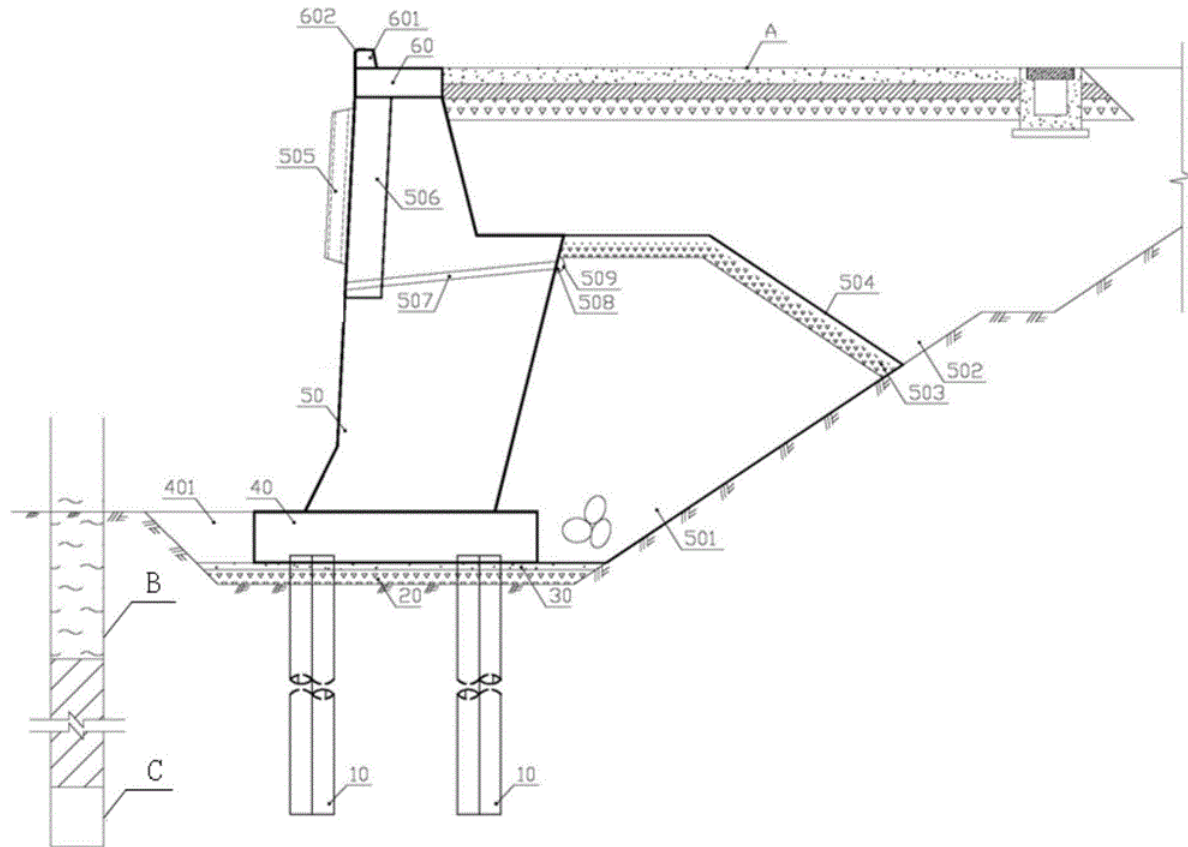
Family 15/20 - FAMPAT - ©Questel

Title

(CN110004876)

Low pile gravity type **wharf** suitable for soft soil foundation and construction method of low pile gravity type **wharf**

Images



Publication numbers with kind code & date

CN110004876

A 2019-07-12

CN110004876



Abstract

(CN110004876)

The invention relates to a low pile gravity type **wharf** suitable for a soft soil foundation and a construction method of the low pile gravity type **wharf**, and belongs to the field of wharfs, which solves the problems that an existing gravity type **wharf** is influenced by foundation soil properties, large post-construction settlement exists commonly, and the construction period is long. The low pile gravity type **wharf** includes a plurality of rigid foundation piles, a reinforced concrete **structure** base plate, a plain concrete **wall** body and a reinforced concrete coping, wherein the **structure** foundation of the low pile gravity type **wharf** adopts the rigid foundation piles, the bottoms of the rigid foundation piles enter a hard soil layer, a broken stone cushion layer and a plain concrete cushion layer are sequentially paved on the upper parts of the rigid foundation piles, the reinforced concrete **structure** base plate is casted on the tops of the rigid foundation piles, the reinforced concrete coping is arranged on the top surface of the plain concrete **wall** body, and a riprap refilling **structure** layer, an inverted filtering layer, a geotechnical cloth and a dang residue layer are sequentially arranged on the rear of the plain concrete **wall** body from the top to the bottom. According to the low pile gravity **wharf** and the construction method, properties of the rigid foundation piles are used, settlement and horizontal displacement can be effectively controlled, the reinforcing effect of whole stability on the **wharf** is also achieved, and the construction period of the **wharf** is effectively shortened.

Inventors

吴峻涛

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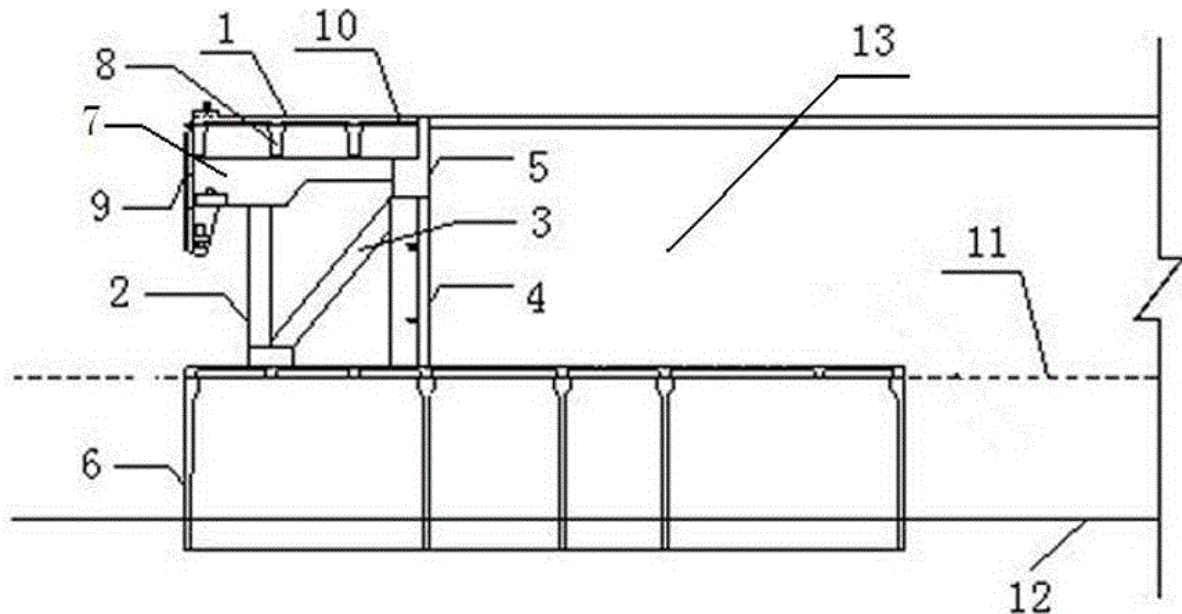
Latest standardized assignees - inventors removed

RICHANGSHENG

Family 16/20 - FAMPAT - ©Questel

Title

(CN105735196)

Frame barrel **wharf structure** and manufacturing method thereof**Images****Publication numbers with kind code & date**

CN105735196	B	2019-04-02	CN105735196B
CN105735196	A	2016-07-06	CN105735196

**Abstract**

(CN105735196)

The invention discloses a frame barrel **wharf structure**. The **structure** consists of an upper **wharf structure**, a basic barrel body, a frame column, an inclined support rod, a retaining **wall** and an upper guide beam; the upper **wharf structure** consists of a cross beam, a longitudinal beam and a **wharf** panel; the longitudinal beam is arranged above the cross beam; the **wharf** panel is arranged above the longitudinal beam; the upper guide beam connects the upper **wharf structure** with the retaining **wall** on the lower side; the upper end of the frame column is connected with the cross beam, and the lower end of the frame column is connected with the basic barrel body; the basic barrel body mainly bears the horizontal soil **pressure** generated by rear sludge reclamation and the parking load transferred by the upper **wharf structure**, and is combined with the retaining **wall** to form an upright quay **wall** to realize a retaining function; the right end of the inclined support rod is connected with the retaining **wall**; and the left end of the inclined support rod is connected with the basic barrel body. The invention further discloses a manufacturing method of the frame barrel **wharf structure**. Compared with a conventional **wharf**, the frame barrel **wharf structure** saves the pile foundation cost, prevents the water construction, realizes the land area construction, reduces the construction cost, and reduces the construction cost.

Inventors

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Latest standardized assignees - inventors removed

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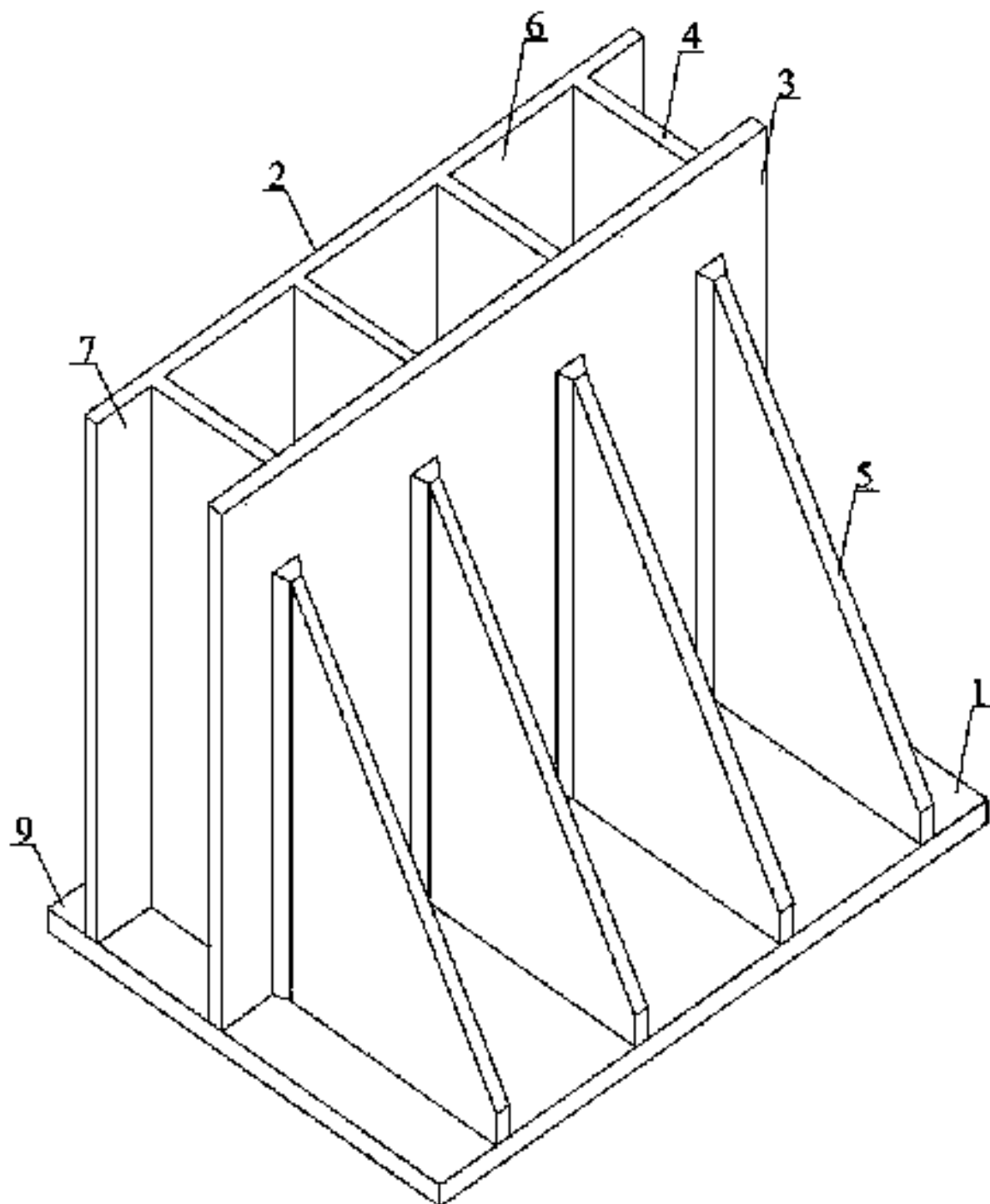
Family 17/20 - FAMPAT - ©Questel

Title

(CN203729255U)

Box rib type gravity wharf structure

Images



Publication numbers with kind code & date

[CN203729255](#)

U

2014-07-23

CN203729255U



Abstract

(CN203729255)

The utility model discloses a box rib type gravity wharf structure and aims at providing a box rib type gravity wharf structure which has a characteristic of good integrity of a caisson wharf structure and a characteristic of small construction amount of a buttressed wharf structure and can fully play the stress performance of members. The technical scheme is that the box rib type gravity wharf structure comprises a base plate, wherein a front wall and a rear wall are vertically arranged on the base plate and arranged in parallel, multiple parallelly-arranged front partition plates are arranged between the front wall and the rear wall, and multiple parallelly-arranged rear partition plates are arranged between the base plate and the rear wall. The axis positions of the front partition plates and the rear partition plates are identical, and the box rib type gravity

wharf structure belongs to the technical field of **wharf** design.

Inventors

LU YONGCHANG

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Latest standardized assignees - inventors removed

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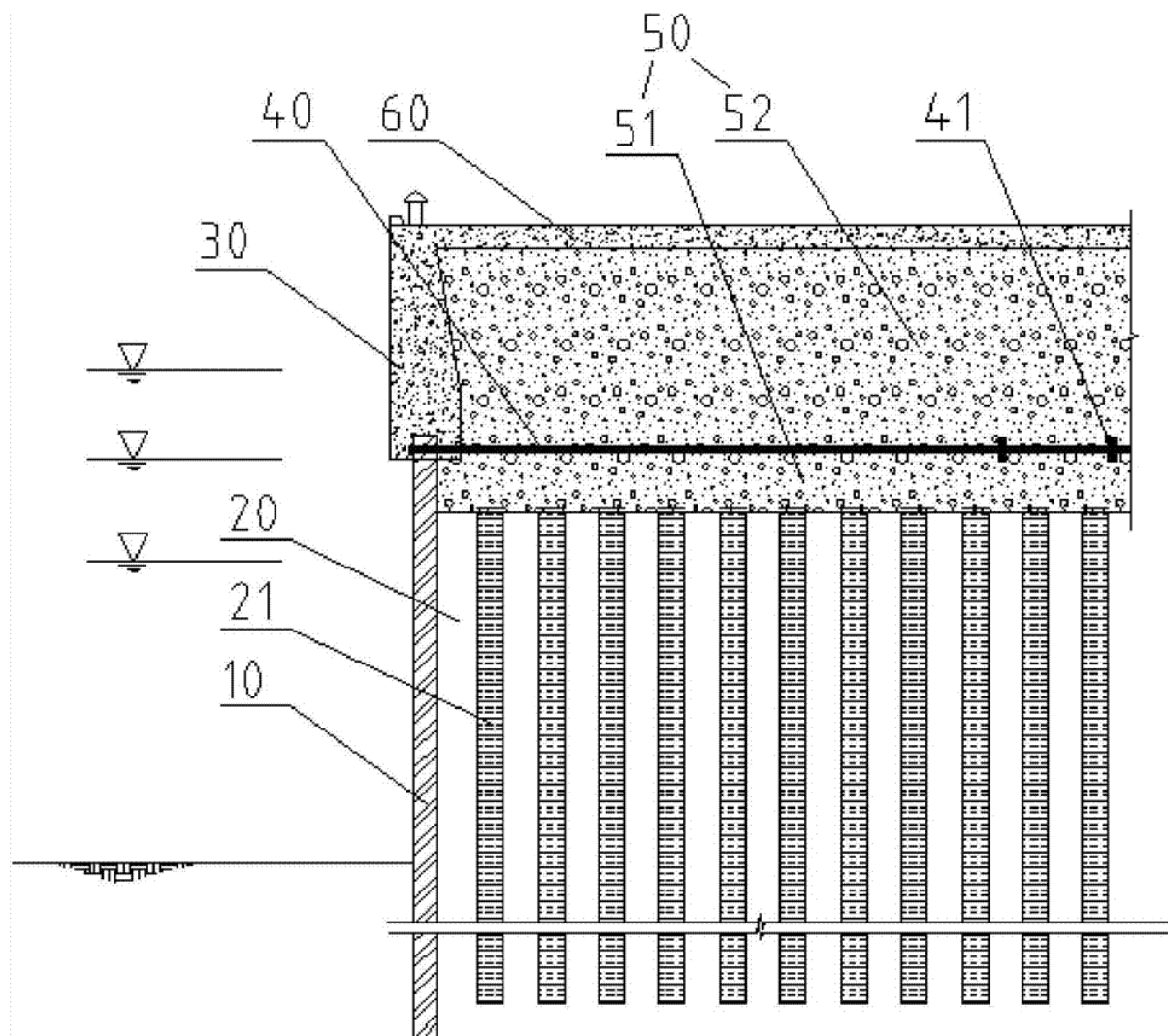
Family 18/20 - FAMPAT - ©Questel

Title

(CN206768731U)

Armoured type light **wharf structure**

Images



Publication numbers with kind code & date

[CN206768731](#)

U

2017-12-19

CN206768731U



Abstract

(CN206768731)

The utility model relates to an armoured type light **wharf structure**, including preceding **wall**, ground, breastwork, stock, filler, off-load board and **wharf** surface layer, pack to the foam light soil, it includes that the first layer packs and the second floor packs, the first layer pack pour in ground top to preceding **wall** crown portion, the breastwork pour in preceding **wall** crown portion, stock one end with preceding **wall** crown end rigid coupling and lay in on the first layer packs, the second floor pack pour in the first layer packs the top extremely the breastwork top, off-load board and **wharf** surface layer pour in above the second floor packs, and with preceding **wall** and breastwork together wrap up in it is outside to pack. This

armoured type light wharf structure has rational in infrastructure, construction period weak point, characteristics such as foam light soil filler unit weight is little, bearing capacity is high, the wholeness is good.

Inventors

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Latest standardized assignees - inventors removed

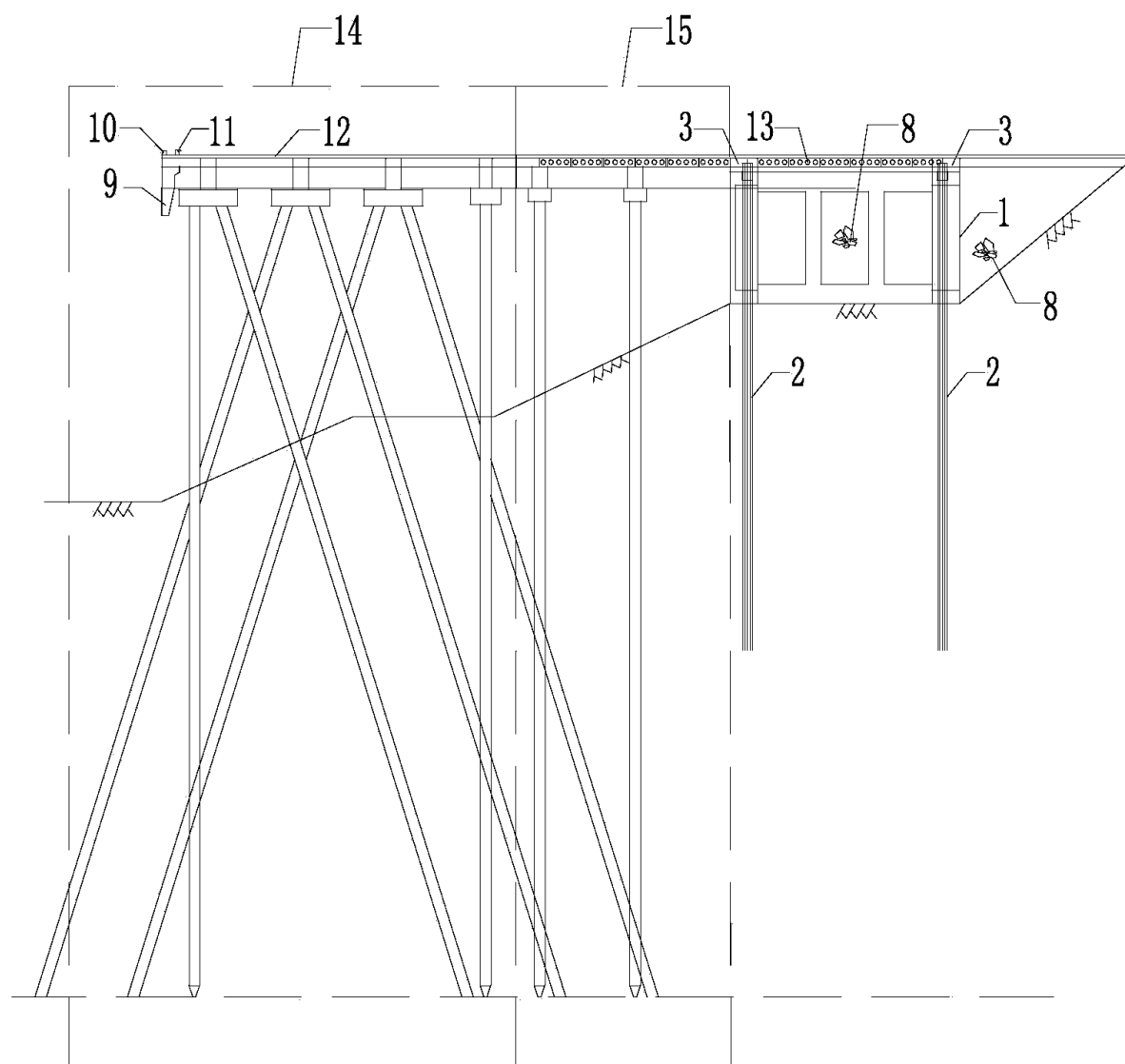
GUANGZHOU YUEKE ENGINEERING CONSTRUCTION SUPERVISION & CONSULTING

Family 19/20 - FAMPAT - ©Questel

Title

(CN203834422U)

Novel high-pile wharf

Images**Publication numbers with kind code & date**[CN203834422](#)

U

2014-09-17

[CN203834422U](#)**Abstract**

(CN203834422)

The utility model relates to a novel high-pile wharf. The novel high-pile wharf comprises a high-pile platform, a pile foundation and a shore connecting structure connected with a storage yard at the back of the wharf, and is characterized in

that the shore connecting **structure** comprises a concrete frame and multiple **wall** piles, the **wall** piles are fixedly connected with the concrete frame, concrete cap beams and a breast **wall** are cast on the top of the concrete frame on site, the **wall** piles and the concrete frame form an integrated **wall** pipe frame shore connecting **structure** accordingly, and the **wall** pipe frame shore connecting **structure** is connected with the high-pile platform. The novel high-pile **wharf** has the advantages that the **wall** pipe frame shore connecting **structure** is adopted, and foundation treatment is not needed; the **wall** pipe frame shore connecting **structure** is high in rigidity and stability, can bear large horizontal loads, and eliminates the influences, caused by a high rear loading speed and other factors, of backfill lateral displacement on the **structure** of a traditional high-pile **wharf**; influences of differential settlement of soft soil foundations, backfill lateral deformation, bank slope sliding, seismic dynamic loads and the like on the **structure** of the high-pile platform of the **wharf** are reduced.

Inventors

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Latest standardized assignees - inventors removed

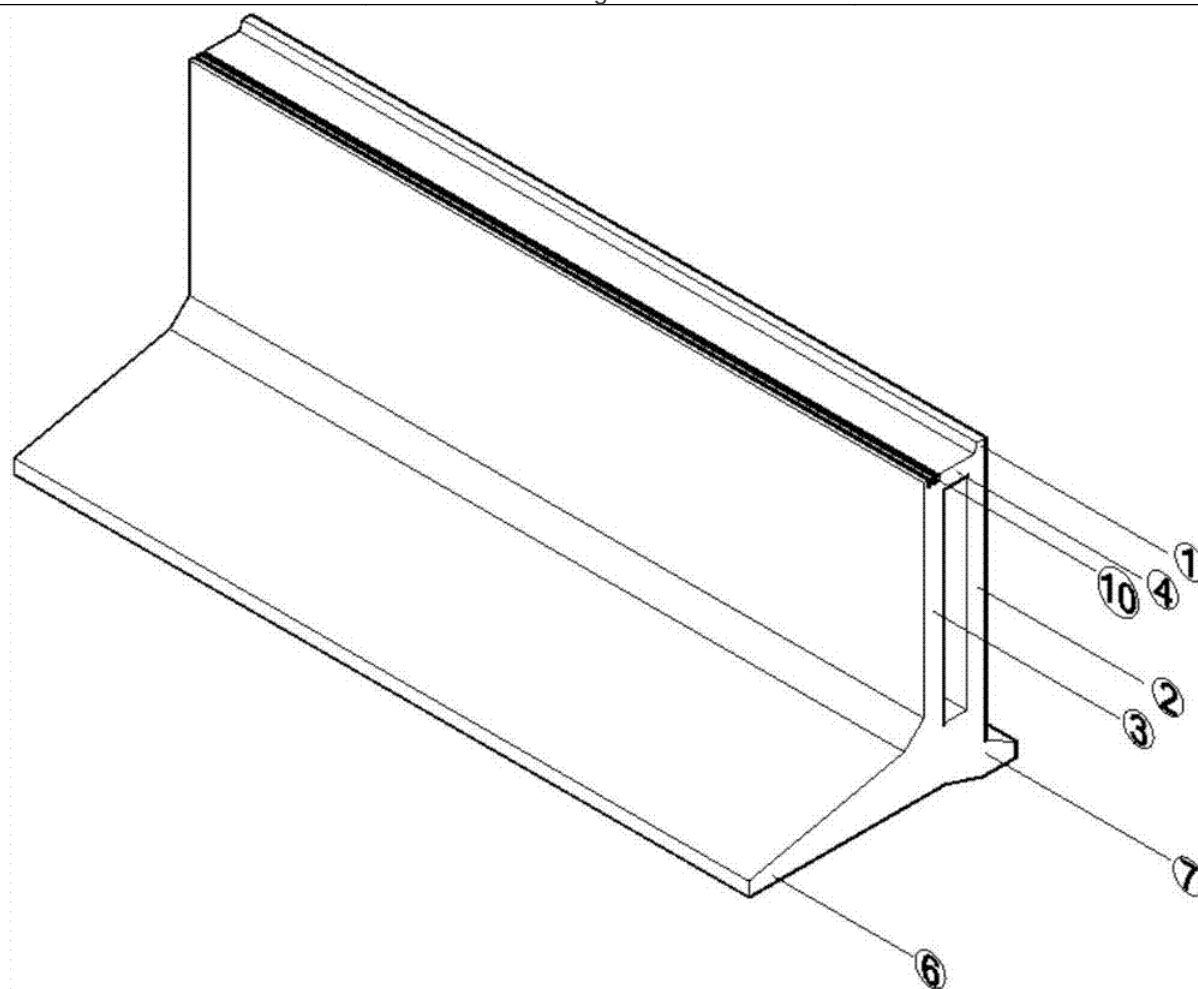
TIANJIN PORT & CHANNEL ENGINEERING

Family 20/20 - FAMPAT - ©Questel

Title

(CN106192880)

L-shaped tank type **wharf** and construction method thereof**Images**



Publication numbers with kind code & date

CN106192880	B	2018-07-20	CN106192880B
CN106192880	A	2016-12-07	CN106192880



Abstract

(CN106192880)

The invention discloses an L-shaped tank type **wharf** and a construction method thereof. The L-shaped tank type **wharf** comprises reinforced concrete tank type walls and a baseplate, wherein the reinforced concrete tank type walls are connected with each other to form an L shape; each tank type **wall** comprises a tank type **wall front wall**, a tank type **wall rear wall**, diaphragm plates and a tank type **wall top plate**; the tank type **wall front wall** serves as the bulkhead **wall** of the **wharf**; the tank type **wharf structure** is formed by enclosure of the tank type **wall front wall**, the tank type **wall rear wall**, the diaphragm plates, the baseplate and the tank type **wall top plate**; the diaphragm plates are arranged discontinuously and are integrally connected to the tank type **wall front wall**, the tank type **wall rear wall**, the baseplate and the **wall top plate**; the baseplate comprises a rear baseplate and a toe plate which are connected with each other; the rear baseplate is located at the landside of the **wharf** and is connected to the tank type **wall front wall** and the tank type **wall rear wall**; and the toe plate is located at the water side of the **wharf**. The construction method comprises the following steps of: preparing materials, building a cofferdam, digging a foundation pit, carrying out river bottom protection construction, pouring tank walls, forming inverted filters after the walls, constructing backfill materials and the like. The L-shaped tank type **wharf** integrates advantages of a buttressed quay **wall** and a caisson **wharf**, is uniform in foundation stress and is simple and convenient to construct.

Inventors

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Latest standardized assignees - inventors removed

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