

(11) **EP 2 489 790 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 08.07.2015 Bulletin 2015/28

(51) Int Cl.: **E03B** 5/02 (2006.01)

(43) Date of publication A2: **22.08.2012 Bulletin 2012/34**

(21) Application number: 12156023.9

(22) Date of filing: 17.02.2012

(84) Designated Contracting States:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR Designated Extension States:

BA ME

(30) Priority: 17.02.2011 CN 201110043310

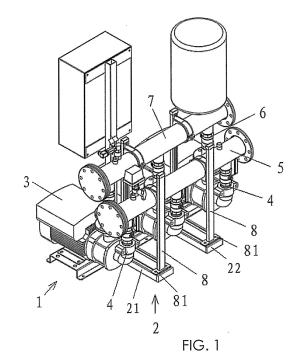
(71) Applicants:

 Grundfos Management A/S 8850 Bjerringbro (DK)

- Grundfos Pump (Suzhou) Co., Ltd Suzhou, Jiangsu 215126 (CN)
- (72) Inventor: Lin, Huanxi 215126 Suzhou, Jiangsu (CN)
- (74) Representative: Patentanwälte Vollmann & Hemmer Wallstraße 33a 23560 Lübeck (DE)

(54) Water pump equipment

(57)The invention discloses a water pump equipment including a base, at least two horizontal water pumps (3) mounted on the base, a water inlet pipeline and a water outlet pipeline. The horizontal water pump (3) is provided with at least two water inlet components (4) which are connected to water inlets of the at least two horizontal water pumps (3), respectively, and a water inlet manifold (5) which is communicating with the water inlet components (4). The water outlet pipeline includes at least two water outlet components (6) which are connected to water outlets of the at least two horizontal water pumps (3), respectively, and a water outlet manifold (7) which is communicating with the water outlet components (6). Each of the water and outlet manifolds (7) is supported on the base by a bracket (8). The base includes a pump pedestal (1) and at least one bracket pedestal (2). The at least two horizontal water pumps (3) are fixedly mounted on the pump pedestal (1), and the bracket (8) is mounted on the bracket pedestal (2). The bracket pedestal (2) is connected to the pump pedestal (1) with an extending length of the bracket pedestal (2) adjustable relative to the pump pedestal (1). When the water pump equipment is mounted in a water supply network, the extending length of the bracket pedestal (2) can be adjusted relative to the pump pedestal (1) to fit with the special space without changing the whole base, thus the mounting effect is improved, and the cost is reduced.



P 2 489 790 A3



EUROPEAN SEARCH REPORT

Application Number

EP 12 15 6023

	DOCUMENTS CONSIDERED TO BE RELEVANT				
	Category	Citation of document with ir of relevant passa	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
10	Х	JP 2000 240564 A (H 5 September 2000 (2 * figures 1,2,7,9 *	000-09-05)	1,5	INV. E03B5/02
15	X	JP H04 63972 A (KAW CONSTRUCTION CO LTD 28 February 1992 (1 * figures 1,2 *	AMOTO PUMP MFG; SHIMIZU) 992-02-28)	1,5	
20					
25					
					TECHNICAL FIELDS SEARCHED (IPC)
30					E03B F04B E03F
35					
40					
45					
1		The present search report has b	peen drawn up for all claims		
	Place of search Date of completion		Date of completion of the search	<u> </u>	Examiner
50 60		Munich	28 May 2015	Fly	gare, Esa
FORM 1503 03.82 (P	X : parl Y : parl doo A : tecl O : nor	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another and the same category innological background ivertiten disclosure	L : document cited fo & : member of the sa	ument, but publi e n the application or other reasons	shed on, or
55	P : intermediate document document				

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 12 15 6023

5

Patent document

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent family

Publication

28-05-2015

Publication

10	
15	
20	
25	
30	
35	
40	

45

50

55

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

cited in search report member(s) JP 2000240564 05-09-2000 Α NONE JP H0463972 A 28-02-1992 NONE