



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
08.01.2014 Bulletin 2014/02

(51) Int Cl.:
E02B 7/44 (2006.01) E02B 7/50 (2006.01)

(43) Date of publication A2:
10.12.2008 Bulletin 2008/50

(21) Application number: **08157694.4**

(22) Date of filing: **05.06.2008**

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

(72) Inventors:
• **Fracasso, Oreste**
30032 Fiesso D'Artico (IT)
• **Veronesi, Augusto**
35135 Padova (IT)

(30) Priority: **06.06.2007 IT TO20070397**

(74) Representative: **Bergadano, Mirko et al**
Studio Torta S.p.A.
Via Viotti, 9
10121 Torino (IT)

(71) Applicant: **Fracasso S.p.A.**
30032 Fiesso d'Artico (VE) (IT)

(54) **Weir for temporary closing of channels and port entrances**

(57) A mobile weir (1) for temporary closing of channels and port entrances essentially formed by a base (2) extending on the seafloor of the port entrance, and by a series of mobile floodgates (3) of a substantially rectangular shape, which are hinged edgewise on the base (2) adjacent to one another so as to be able to swing around a substantially horizontal axis of rotation (A); each mobile floodgate (3) being connected to the base (2) by means of a pair of disconnectable hinges (4) which are made up of a fixed portion (4a) stably anchored to the base (2),

and of a mobile portion (4b) which is, instead, fixed on the mobile floodgate (3) through a mechanical flanged coupling, incorporates the joint for articulation of the hinge about the axis of rotation (A) and is finally structured so as to be coupleable to the fixed portion (4a) of said disconnectable hinge (4) in a stable, but readily releasable, way; the mobile portion (4b) of the disconnectable hinge (4) being provided with an engagement head (8) and a fork (10) made in one piece by means of a die-casting process.

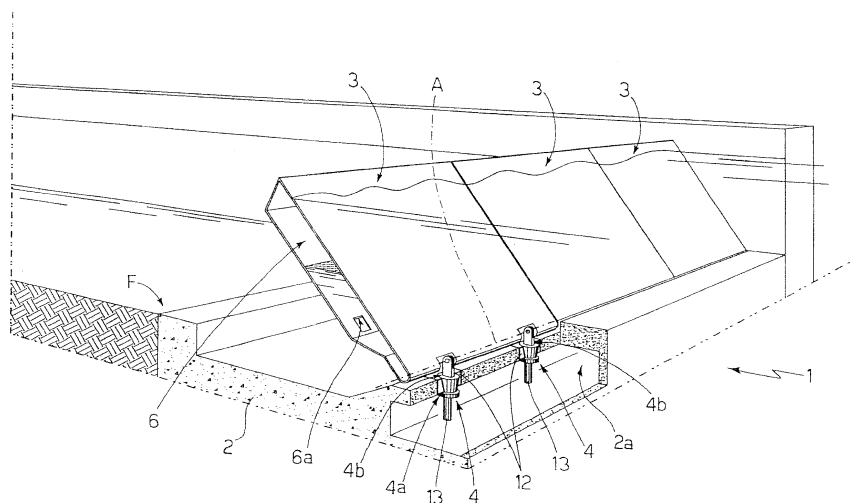


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 08 15 7694

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A,D	EP 0 397 609 A1 (RIVA CALZONI SPA [IT]) 14 November 1990 (1990-11-14) * abstract; figures 1,3 * * column 3, line 40 - column 4, line 15; figures 4, 6 *	1	INV. E02B7/44 E02B7/50
A	EP 1 726 717 A2 (FRACASSO METALMECCANICA [IT] FRACASSO S P A [IT]) 29 November 2006 (2006-11-29) * column 3, paragraph 19 - column 5, paragraph 25; figures 1-2 *	1	
A	FR 1 183 891 A (DIDIER COSTES) 15 July 1959 (1959-07-15) * page 1, paragraph 4; figures 1-2 *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			E02B E02C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 28 November 2013	Examiner Lieber, Gabor
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

 1
EPO FORM 1503 03.82 (P04C01)

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

EP 08 15 7694

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.

28-11-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0397609 A1	14-11-1990	DE 69004618 D1 DE 69004618 T2 EP 0397609 A1	23-12-1993 19-05-1994 14-11-1990
EP 1726717 A2	29-11-2006	AT 391209 T EP 1726717 A2	15-04-2008 29-11-2006
FR 1183891 A	15-07-1959	NONE	

EPO FORM P0459

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