

Title (en)  
Weir for temporary closing of channels and port entrances

Title (de)  
Wehr zum temporären Schließen von Kanälen und Hafeneinfahrten

Title (fr)  
Barrage pour fermer temporairement des canaux ou des boucaux

Publication  
**EP 2000596 A2 20081210 (EN)**

Application  
**EP 08157694 A 20080605**

Priority  
IT TO20070397 A 20070606

Abstract (en)  
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.

IPC 8 full level  
**E02B 7/44** (2006.01); **E02B 7/50** (2006.01)

CPC (source: EP)  
**E02B 7/44** (2013.01); **E02B 7/50** (2013.01)

Citation (applicant)  
• US 3756032 A 19730904 - SOLINAS L  
• US 4836711 A 19890606 - SALA ONEGLIO [IT], et al  
• EP 0397609 A1 19901114 - RIVA CALZONI SPA [IT]

Cited by  
ITTV20100054A1; CN106638490A; ITTV20100055A1; IT201700114892A1; FR3057882A1; CN109908631A; CN108643136A

Designated contracting state (EPC)  
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 state (EPC)  
AL BA MK RS

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