

Title (en)
Lock gate

Title (de)
Schleusentor

Title (fr)
Bateaux portes

Publication
EP 0688904 B1 19961218 (FR)

Application
EP 95401324 A 19950602

Priority
FR 9406778 A 19940602

Abstract (en)
[origin: EP0688904A1] The caisson has a panel (1) made of a composite material which is divided into ballast compartments (17) by an internal framework. This is surrounded by a frame (2) which encloses the bottom (1) and sides (12) of the panel (1). The frame acts as ballast at the lower edge of the panel and forms a rigid support at the entrance of the dry dock. The frame is the same size as the panel where they join. The frame is made of concrete reinforced with fibreglass strips. The panel is attached to it with bolts and threaded rods (3) anchored in the concrete. The concrete in the upper section has less voluminal mass than that in the lower part. The side walls (2b) are become thinner as they reach the top, also reducing the mass. The panel is made of a composite glass and resin material with transverse stiffeners (16). The panel is made of many caissons which are glued together with a layer of glass and resin composite on the side walls Made of composite materials which are resistant to corrosion from seawater. Caisson has good mechanical resistance, is simple to construct and narrower and less expensive <IMAGE>

IPC 1-7
E02B 7/20

IPC 8 full level
E02B 5/08 (2006.01); **E02B 7/00** (2006.01); **E02B 7/20** (2006.01); **E02B 7/26** (2006.01); **E02B 7/28** (2006.01); **E02B 7/30** (2006.01); **E02B 7/50** (2006.01)

CPC (source: EP)
E02B 5/08 (2013.01); **E02B 5/082** (2013.01); **E02B 7/00** (2013.01); **E02B 7/20** (2013.01); **E02B 7/26** (2013.01); **E02B 7/28** (2013.01); **E02B 7/30** (2013.01); **E02B 7/50** (2013.01)

Cited by
WO0005459A1

Designated contracting state (EPC)
BE DE ES GB IT NL

DOCDB simple family (publication)
EP 0688904 A1 19951227; **EP 0688904 B1 19961218**; DE 69500111 D1 19970130; DE 69500111 T2 19970417; ES 2096502 T3 19970301; FR 2720768 A1 19951208; FR 2720768 B1 19960712

DOCDB simple family (application)
EP 95401324 A 19950602; DE 69500111 T 19950602; ES 95401324 T 19950602; FR 9406778 A 19940602