

Title (en)
Fusegate

Title (de)
Überlaufbauwerk

Title (fr)
Hausse fusible

Publication
EP 2215308 B1 20110427 (FR)

Application
EP 08870623 A 20081017

Priority
• FR 2008001468 W 20081017
• FR 2007001735 W 20071019

Abstract (en)
[origin: WO2009050342A1] The invention relates to a fusegate for a hydraulic construction such as a river sill or a spillway on a weir or on a protective dyke, comprising a massive element (1) arranged on the crest of the construction and held thereon by gravity so as to form a watertight or substantially watertight wall, said element being installed on said hydraulic construction and being able to move aside in order to allow water to flow through without obstruction when the level of the reservoir or of the waterway reaches a predefined level, and a chamber (2) being formed at the base of the massive element (1) between the latter and the surface which supports it, pressurizing means enabling the chamber (2) to be filled with water so as to generate, below the massive element, an upwardly directed thrust when the water of the reservoir or of the waterway reaches the predefined level. The invention is defined by the fact that these pressurizing means consist of a water intake at a supply structure (3) provided with two compartments (3a, 3b) defined by an inner vertical wall (4), the two compartments (3a, 3b) being in communication with one another via at least one passage (5) formed in the upper part of the supply structure (3), one of the compartments (3a) having one or more openings in its lower part whereby water from the reservoir or the waterway can enter the supply structure (3), whereas the other compartment (3b) is in communication with the chamber (2) below the massive element (1). Applications in hydraulic constructions such as a river sill or a spillway on a weir or on a protective dyke.

IPC 8 full level
E02B 8/06 (2006.01)

CPC (source: BR EP US)
E02B 8/06 (2013.01 - BR EP US)

Cited by
RU2481436C2; CZ306409B6; EP2812497A1

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

DOCDB simple family (publication)
WO 2009050342 A1 20090423; AP 2010005257 A0 20100630; AP 3040 A 20141130; AT E507350 T1 20110515; AU 2008347687 A1 20090723; AU 2008347687 B2 20131219; BR PI0816534 A2 20181009; BR PI0816534 B1 20191112; CL 2009000895 A1 20100430; CN 101952516 A 20110119; CN 101952516 B 20121226; CY 1112556 T1 20160210; DE 602008006595 D1 20110609; DK 2215308 T3 20110815; EP 2215308 A1 20100811; EP 2215308 B1 20110427; ES 2365973 T3 20111014; MA 31860 B1 20101101; PT 2215308 E 20110720; TN 2010000172 A1 20111111; US 2011229268 A1 20110922; US 8591149 B2 20131126; WO 2009090340 A1 20090723; ZA 201003556 B 20110428

DOCDB simple family (application)
FR 2007001735 W 20071019; AP 2010005257 A 20081017; AT 08870623 T 20081017; AU 2008347687 A 20081017; BR PI0816534 A 20081017; CL 2009000895 A 20090414; CN 200880122191 A 20081017; CY 111100717 T 20110720; DE 602008006595 T 20081017; DK 08870623 T 20081017; EP 08870623 A 20081017; ES 08870623 T 20081017; FR 2008001468 W 20081017; MA 32854 A 20100518; PT 08870623 T 20081017; TN 2010000172 A 20100416; US 73880408 A 20081017; ZA 201003556 A 20100519