Title (en)

AUTOMATIC WICKET FOR A HYDRAULIC STRUCTURE SUCH AS A RIVER SILL, A DAM SPILLWAY OR A PROTECTIVE DYKE

Title (de)

AUTOMATISCHES SCHÜTZENTOR FÜR HYDRAULISCHES WERK SOWIE FLUSSSCHWELLE, DAMMWASSER ABLASS ODER SCHUTZ DEICH

Title (fr)

HAUSSE AUTOMATIQUE POUR OUVRAGE HYDRAULIQUE TEL QUE SEUIL EN RIVIERE, DEVERSOIR SUR UN BARRAGE OU SUR UNE DIGUE DE PROTECTION

Publication

EP 0874941 A1 19981104 (FR)

Application

EP 97900637 A 19970114

Priority

- FR 9700056 W 19970114
- FR 9600575 A 19960119

Abstract (en)

[origin: WO9726412A1] An automatic wicket (10) including a wall (12) mounted on a hydraulic structure (11) and movable between a raised position in which it holds back a body of water and a lowered position in which the water flows substantially unhindered thereover, as well as at least one elongate retaining element (13) for holding the wall (12) in the raised position against the horizontal pressure (P1) from the body of water (25). The retaining element (13) extends from the wall (12) to a reaction point to which it is connected by a linkage (15) that may be inactivated automatically when the water reaches a predetermined level. The wicket (10) further includes a solid element (16) movably mounted on the structure (11) and coupled to the body of water so that it is stable while the water is below the predetermined level (N) but becomes unstable and is moved when the water reaches said predetermined level (N). The linkage (15) is inactivated by the movement of the solid element.

IPC 1-7

E02B 7/16; E02B 3/10; E02B 7/44

IPC 8 full level

E02B 7/16 (2006.01); **E02B 7/20** (2006.01)

CPC (source: EP US)

E02B 7/16 (2013.01 - EP US); **E02B 7/20** (2013.01 - EP US)

Citation (search report)

See references of WO 9726412A1

Cited by

CZ299506B6

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9726412 A1 19970724; AT E203073 T1 20010715; AU 1313697 A 19970811; AU 713094 B2 19991125; BR 9707021 A 19991228; DE 69705602 D1 20010816; EP 0874941 A1 19981104; EP 0874941 B1 20010711; FR 2743829 A1 19970725; MA 24067 A1 19971001; TR 199801381 T2 19981021; US 6196764 B1 20010306; ZA 97372 B 19970718

DOCDB simple family (application)

FR 9700056 W 19970114; AT 97900637 T 19970114; AU 1313697 A 19970114; BR 9707021 A 19970114; DE 69705602 T 19970114; EP 97900637 A 19970114; FR 9600575 A 19960119; MA 24469 A 19970117; TR 9801381 T 19970114; US 10190299 A 19990112; ZA 97372 A 19970116