

Title (en)  
WATER CONTROL GATE

Title (de)  
WEHR ZUR REGELUNG DER WASSERSTANDSHÖHE

Title (fr)  
VANNE REGULATRICE DU NIVEAU D'EAU

Publication  
**EP 1127192 A1 20010829 (EN)**

Application  
**EP 99938467 A 19990824**

Priority  
• IB 9901468 W 19990824  
• ZA 989869 A 19981029

Abstract (en)  
[origin: WO0026476A1] The invention relates to a water control gate (10) in the form of a movable barrier (12) which is connected to a spillway (14) by means of hinges (16) so as to be pivotable between an upper, closed position in which it projects above the crest of the spillway so as to effectively increase the height thereof, and a lower, open position. The movable barrier (12) is specifically shaped to effect automatic opening and closing of the control gate (10) and includes a curve (28) which is convex when viewed from the upstream side of the barrier and which has a radius of curvature which is approximately equal to the difference in height between the highest point on the water control gate when the gate is closed and the highest point on the water control gate when the gate is open. A counterweight (42) is connected to the movable barrier (12) and is arranged to bias the barrier into the closed position.

IPC 1-7  
**E02B 7/20**

IPC 8 full level  
**E02B 7/20** (2006.01); **E02B 7/40** (2006.01)

CPC (source: EP)  
**E02B 7/205** (2013.01); **E02B 7/40** (2013.01)

Citation (search report)  
See references of WO 0026476A1

Designated contracting state (EPC)  
CH DE FR GB LI NL

DOCDB simple family (publication)  
**WO 0026476 A1 20000511**; AU 5297599 A 20000522; EP 1127192 A1 20010829

DOCDB simple family (application)  
**IB 9901468 W 19990824**; AU 5297599 A 19990824; EP 99938467 A 19990824