

Title (en)

Water control gate

Title (de)

Wehr zur Regelung der Wasserstandshöhe

Title (fr)

Vanne régulatrice du niveau d'eau

Publication

**EP 1627957 A1 20060222 (EN)**

Application

**EP 04077295 A 20040812**

Priority

EP 04077295 A 20040812

Abstract (en)

An apparatus for controlling and/or closing a passage (6) in a watercourse, such as, for instance, a ditch, canal, conduit or pipe, which apparatus is provided with a plate (5) and a frame (2), the plate (5) and the frame (2) being connected with an adjusting element (16,26) which is drivable by a drive, for the purpose of adjusting the position of the plate (5) relative to the frame (2), the apparatus being further provided with at least one adjusting element (16,26) and with an aligning shaft (18) with two gear wheels (15), the distance between the gear wheels (15) substantially corresponding to the width of the plate (5), while further gear racks or chains (12) are provided which the gear wheels (15) engage, the aligning shaft (18) and the gear racks or chains (12) being coupled to the frame (2) and the plate (5), such that a displacement of the plate (5) on the right-hand side of the plate (5) results in a corresponding displacement of the left-hand side of the plate (5) and vice versa.

IPC 8 full level

**E02B 7/26** (2006.01); **E02B 7/36** (2006.01)

CPC (source: EP)

**E02B 7/36** (2013.01)

Citation (search report)

- [XY] US 2004009041 A1 20040115 - AUGHTON DAVID [AU], et al
- [Y] US 1706219 A 19290319 - ELY FREDERICK W
- [Y] GB 2283267 A 19950503 - FARRINGTON RONALD JOHN [GB]
- [XA] EP 0719896 A2 19960703 - KYOWA SEISAKUSHO CO LTD [JP]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 007, no. 240 (M - 251) 25 October 1983 (1983-10-25)

Cited by

CN103255748A; CN112942261A; CN102352615A; JP2020016090A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1627957 A1 20060222; EP 1627957 B1 20081001**; AT E409780 T1 20081015; DE 602004016842 D1 20081113

DOCDB simple family (application)

**EP 04077295 A 20040812**; AT 04077295 T 20040812; DE 602004016842 T 20040812