

Title (en)
DEVICE FOR DRIVING A LEAF OF A GATE

Title (de)
VORRICHTUNG ZUM ANTRIEB EINES TORBLATTS

Title (fr)
DISPOSITIF D'ENTRAINEMENT D'UN VANTAIL DE PORTAIL

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Application
EP 07785883 A 20070703

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• FR 0606002 A 20060703

Abstract (en)
[origin: CN101100920A] The invention relates to a device (100) for driving a leaf of a gate, which leaf is designed to move horizontally and comprises a hollow bottom beam (102) equipped with a downwardly directed opening bounded by two horizontal flanges (104a), each flange (104a) having a bottom runway track and a top runway track which extend in the direction in which the leaf moves, wherein the drive device (100) comprises a frame (114) connected to the ground (110), a motor (106) fixed to the frame (114) and positioned inside the bottom beam (102), and at least one drive roller (120a) rotated by said motor (106) and contacting one of the bottom runway tracks. The drive device (100) is characterized in that it comprises a set of three pairs of guide rollers (116a, 118a, 216a, 214a) fixed to the frame (114), each of the guide rollers (118a) of the first pair engages one of the top runway tracks ahead of the drive roller (120a), each of the guide rollers (214a) of the second pair engages one of the top runway tracks behind the drive roller (120a), and each of the guide rollers (116a, 216a) of the third pair engages one of the bottom runway tracks between one of the guide rollers (118a) of the first pair and one of the guide rollers (214a) of the second pair.

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