

Title (en)
CANTILEVERED SIDE SLIDING GATE

Publication
EP 0392053 B1 19930609 (DE)

Application
EP 89106578 A 19890413

Priority
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Abstract (en)
[origin: EP0392053A1] A cantilevered side sliding gate is supported by its gate member (1) in the upper region against lateral tilting by stationarily held rollers (33), and has in its lower region a box-shaped lower chord (2) which is supported by its downwardly closed box wall (2a) on supporting rollers (17, 18) corresponding to the width of the lower chord (2) and held stationarily in the direction of displacement at a distance outside the gate opening. Arranged along an outer side of the lower chord (2) is a downwardly open rail (12) with a chain (13) fixed therein, in which rail there engages a driving wheel (14) of a driving means (7) which is provided to the side of the gate member (1) and can be pivoted parallel to the plane of the gate member. The lower wall (2a) of the lower chord (2) encloses a closed central longitudinal groove (291) which is directed into the box interior and in which a respective lateral guide roller (27 or 28) engages, this roller being adjacent to the supporting rollers (17 or 18) and held on an upwardly projecting fixed shaft. On the upper side of the downwardly open rail (12) are supported stabilising rollers (29, 30) which in each case are adjacent to the supporting rollers (17 or 18) and are held on upwardly projecting supports (31, 34). As a result, a safe guiding of the gate member (1) with a high stability and light-weight structure is obtained with little outlay in terms of construction.

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IPC 8 full level
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Cited by
US2015047261A1; FR2707326A1; FR2903137A1; CN104295221A; EP1577479A1; CN106088905A; WO2015140439A1; WO2012106633A1; WO2008003461A1; WO2009010798A1

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