

Title (en)  
ARTICULATED OVERHEAD GATE FOR PARTICULARLY SMALL DROP HEIGHTS

Title (de)  
DECKENGLIEDERTOR FÜR BESONDERS NIEDRIGE STURZHÖHEN

Title (fr)  
PORTE ARTICULEE AU PLAFOND POUR HAUTEURS DE CHUTE PARTICULIEREMENT FAIBLES

Publication  
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Application  
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Abstract (en)  
[origin: US6076589A] PCT No. PCT/DE98/00059 Sec. 371 Date Sep. 28, 1998 Sec. 102(e) Date Sep. 28, 1998 PCT Filed Jan. 9, 1998 PCT Pub. No. WO98/30776 PCT Pub. Date Jul. 16, 1998An articulated overhead gate for gate openings with particularly small drop heights between the upper edge of the gate opening that is to be closed and an adjoining overhead area or similar with a gate leaf consisting of several panels (3, 5) articulated successively in the direction of movement, which are driven by laterally arranged rollers (2) in first lateral roller rails (6), connected in an approximately vertical and thereby curved horizontal direction, excepting the upper panel (5) in closed position, which engages with its rollers (4) which, in this position, are arranged in the upper edge area (30), in second roller rails (7). Said roller rails are parallel to and located above the facing horizontal segments of the first roller rails (6), each segment having an end part (8) facing the gate frame, a first section (10) of which part is lowered only slightly in relation to the horizontal, and a second section (11) correspondingly inclining only slightly over 90 DEG to the horizontal in the direction of the ground. The articulated overhead gate is optionally designed, for manual gate-leaf or motor-driver actuation so that the rollers (4) of the upper panels (5) can be optionally arranged in order to be vertically displaceable in relation to their axes, and so that the transition areas (19) between the first and second sections (10, 11) are each optionally provided with a spring element (12, 15, 15') with a non-rigid deflection surface for the suspension of the roller (4) entering the transition region (19), and for the deflection of the same from one section into the other.

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