

Title (en)
HIGH-SPEED INDUSTRIAL ROLLER GATE

Title (de)
SCHNELLAUFENDES INDUSTRIEROLLTOR

Title (fr)
PORTE ROULANTE INDUSTRIELLE A VITESSE ELEVEE

Publication
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Application
EP 06806310 A 20061016

Priority

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Abstract (en)
[origin: WO2007045423A1] The invention relates to a high-speed industrial roller gate (1) comprising a door leaf (2) that is guided in lateral guides (4) and a drive that acts on the door leaf (2) to displace the latter from an open position into a closed position and vice versa. According to the invention, the door leaf (2) is held in the open position, so that its sections are not in contact with one another, in a spiral section (42) of the lateral guides (4) located in the vicinity of the door lintel. The roller gate also comprises a weight compensation unit (6). The drive has two extension arms (54) that are coupled by hinges to the lintel end of the door leaf (2), said arms (54) being situated at a distance from one another across the door width and being synchronously pivoted about a pivoting axis in a central region of the spiral section (42). The distance between the coupling points (543) of the extension arms (54) on the door leaf (2) and the pivoting axis of the extension arms (54) can be modified. This permits the provision of a roller gate (1) with a drive that is situated near the door lintel, for which the extent of potential damage during a collision with the door leaf (2) is reduced in relation to prior art.

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