

Title (en)
HIGH-SPEED INDUSTRIAL ROLLER GATE

Title (de)
SCHNELLAUFENDES INDUSTRIEROLLTOR

Title (fr)
PORTE ROULANTE INDUSTRIELLE A VITESSE ELEVEE

Publication
EP 1948898 B1 20091209 (DE)

Application
EP 06806310 A 20061016

Priority
• EP 2006009974 W 20061016
• DE 102005049584 A 20051017

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.

IPC 8 full level
E06B 9/11 (2006.01); **E06B 9/62** (2006.01)

CPC (source: EP US)
E06B 9/0638 (2013.01 - EP); **E06B 9/08** (2013.01 - EP US); **E06B 9/62** (2013.01 - EP US); **E06B 9/17007** (2013.01 - EP US); **E06B 9/70** (2013.01 - EP US); **E06B 2009/0684** (2013.01 - EP)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007045423 A1 20070426; AT E451535 T1 20091215; CN 101326337 A 20081217; CN 101326337 B 20130515; DE 102005049584 A1 20070510; DE 502006005622 D1 20100121; DK 1948898 T3 20100412; EP 1948898 A1 20080730; EP 1948898 B1 20091209; ES 2337928 T3 20100430; JP 2009511792 A 20090319; JP 4847536 B2 20111228; PL 1948898 T3 20100531; PT 1948898 E 20100312; RU 2378474 C1 20100110; SI 1948898 T1 20100430; US 2008251220 A1 20081016; US 7913739 B2 20110329

DOCDB simple family (application)
EP 2006009974 W 20061016; AT 06806310 T 20061016; CN 200680046645 A 20061016; DE 102005049584 A 20051017; DE 502006005622 T 20061016; DK 06806310 T 20061016; EP 06806310 A 20061016; ES 06806310 T 20061016; JP 2008535950 A 20061016; PL 06806310 T 20061016; PT 06806310 T 20061016; RU 2008119471 A 20061016; SI 200630580 T 20061016; US 8981506 A 20061016