

Title (en)
Sectional lift gate

Title (de)
Hub-Sektionaltor

Title (fr)
Porte sectionnelle relevable

Publication
EP 0945575 B1 20041006 (DE)

Application
EP 99103826 A 19990227

Priority
DE 19812766 A 19980324

Abstract (en)
[origin: EP0945575A2] The door/gate panel is divided up horizontally into sections (10,11,12) hinged together. The door is raised and lifted by pulleys in the form of belts (20,25) winding onto rotary-driven drums (21,24) positioned above the door panel. Torque which counteracts the weight of the door panel is applied to the drums taking the pulleys. Two of the belts are joined to the bottom section (10). Another belt or two wind in the contrary direction to the first belts and are joined to springs (26) and or weights (27) counteracting the weight of the door panel.

IPC 1-7
E05D 15/24; **E05D 13/00**

IPC 8 full level
E05D 13/00 (2006.01); **E05D 15/24** (2006.01); **E05F 15/681** (2015.01); **E06B 3/48** (2006.01); **E05D 15/16** (2006.01)

CPC (source: EP)
E05F 15/681 (2015.01); **E06B 3/485** (2013.01); **E05D 13/1215** (2013.01); **E05D 13/145** (2013.01); **E05D 15/165** (2013.01); **E05D 15/24** (2013.01); **E05Y 2201/684** (2013.01); **E05Y 2900/106** (2013.01)

Cited by
US2017183901A1; CN111056412A; EP3263820A1; CN107801407A; EA030734B1; EP3263819A1; CN107801406A; EA035691B1; US11499369B2; US10871021B2; US10829989B2; WO2018001923A1; WO2018001924A1; US10914117B2; DE202016002563U1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0945575 A2 19990929; **EP 0945575 A3 20030402**; **EP 0945575 B1 20041006**; **EP 0945575 B8 20061102**; AT E278861 T1 20041015; DE 59910684 D1 20041111

DOCDB simple family (application)
EP 99103826 A 19990227; AT 99103826 T 19990227; DE 59910684 T 19990227