

Title (en)

AN OPENING AND CLOSING ASSEMBLY FOR A SECTIONAL UP AND OAN OPENING AND CLOSING ASSEMBLY FOR A SECTIONAL UP AND OVER PANEL VER PANEL

Publication

EP 0357214 A3 19900328 (EN)

Application

EP 89307520 A 19890724

Priority

GB 8817499 A 19880722

Abstract (en)

[origin: EP0357214A2] An up and over door assembly is disclosed comprising a door (1) constructed of hinged horizontal panels (4) guided by inverted L-shaped tracks (not shown) between a vertical closed position and a raised open position in which the door panel lies horizontally above the door opening. Characteristically the lift mechanism comprises two pairs of preferably rodless piston and cylinder units (12,14), one pair (12) to lift and take the weight of the door initially, and the other pair (16) to pull it into the open position.

IPC 1-7

E05F 1/16; **E05F 15/02**

IPC 8 full level

E05F 15/08 (2006.01)

CPC (source: EP)

E05F 15/59 (2015.01)

Citation (search report)

- [A] US 2625390 A 19530113 - MCFADDEN JOHN D
- [A] CH 194711 A 19371231 - SPAGNOL S A A [CH]
- [A] US 4519297 A 19850528 - LIPINSKI REINHARD [DE]

Cited by

EP2604780A3; EP0674080A1; CN103362418A; CN108518245A; US6243988B1

Designated contracting state (EPC)

DE FR IT NL

DOCDB simple family (publication)

EP 0357214 A2 19900307; **EP 0357214 A3 19900328**; GB 2220982 A 19900124; GB 8817499 D0 19880824

DOCDB simple family (application)

EP 89307520 A 19890724; GB 8817499 A 19880722