

Title (en)  
UPWARD ACTING DOOR

Title (de)  
AUFWÄRTS BEWEGBARE TÜR

Title (fr)  
PORTE S'OUVRANT VERS LE HAUT

Publication  
**EP 3309337 A1 20180418 (EN)**

Application  
**EP 17192307 A 20170921**

Priority  
FI 20165779 A 20161013

Abstract (en)  
The upward acting door comprises a door leaf (10), a lower beam (18) and a lifting mechanism for raising and lowering the door leaf. The lifting mechanism comprises a first shaft (20a), which has first coils (22a) for suspension elements, such as lifting wires (24) wrapping around the first coils, and at least one first motor for rotating the first shaft. The suspension elements wrapping around the first coils are attached from their first ends to the lower beam. The lifting mechanism comprises further at least one second shaft (20b), which is located parallel to the first shaft, at a distance from the first shaft, and which has second coils (22a) for suspension elements, such as lifting wires (24) wrapping around the second coils. The suspension elements wrapping around the second coils are attached from their first end to the lower beam at a distance from the suspension elements of the first coil.

IPC 8 full level  
**E05D 13/00** (2006.01); **E05F 15/665** (2015.01); **E05F 15/681** (2015.01); **E05F 15/686** (2015.01); **E06B 9/06** (2006.01); **E06B 9/262** (2006.01); **E06B 9/24** (2006.01)

CPC (source: EP FI)  
**E05D 13/1253** (2013.01 - EP); **E05D 15/262** (2013.01 - FI); **E05F 15/603** (2015.01 - FI); **E05F 15/665** (2015.01 - EP); **E05F 15/681** (2015.01 - FI); **E06B 3/01** (2013.01 - FI); **E06B 3/80** (2013.01 - FI); **E06B 9/0692** (2013.01 - EP FI); **E06B 9/262** (2013.01 - EP); **E06B 9/70** (2013.01 - FI); **E05F 15/681** (2015.01 - EP); **E05F 15/686** (2015.01 - EP); **E05Y 2201/654** (2013.01 - EP); **E05Y 2400/41** (2013.01 - EP); **E05Y 2800/21** (2013.01 - EP); **E05Y 2800/242** (2013.01 - EP); **E05Y 2800/43** (2013.01 - EP); **E05Y 2900/108** (2013.01 - EP); **E05Y 2900/11** (2013.01 - EP); **E06B 2009/2458** (2013.01 - EP)

Citation (search report)  
• [YA] DE 202015000252 U1 20150810 - DIAPLAN INNENAUSBAU GES M B H [DE]  
• [Y] EP 2990573 A1 20160302 - CHAMPION DOOR OY [FI]  
• [A] FR 2861121 A1 20050422 - NERGECO SA [FR]  
• [A] EP 2947256 A1 20151125 - TRENOMAT GMBH & CO KG [DE]

Cited by  
CN110409961A; US2021123279A1; US11761250B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

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**EP 3309337 A1 20180418**; **EP 3309337 B1 20210303**; FI 128167 B 20191129; FI 20165779 A 20180414; PL 3309337 T3 20210830

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