

Title (en)

Door assembly with automatically moveable wings and method of operating such door assemblies

Title (de)

Türanlage mit automatisch verfahrbaren Flügeln sowie ein Verfahren zum Betrieb derartiger Türanlagen

Title (fr)

Ensemble de porte avec vantaux déplaçables automatiquement et méthode pour opérer de tels ensembles de porte

Publication

EP 1655434 B1 20150422 (DE)

Application

EP 05023341 A 20051026

Priority

DE 102004053821 A 20041104

Abstract (en)

[origin: EP1655434A2] The door system (1) with automatically displaceable flanks (5,6) has one or more sensors (8,9,10) in the interior and exterior areas of door system within the area of the aperture width of the displaceable flank. The entry area (11,12,13) extends over the entire aperture width whereby the entry area has crossover area (36). An independent claim is also included for the method of operation of sensors.

IPC 8 full level

E05F 15/00 (2015.01); **E05F 15/70** (2015.01)

CPC (source: EP)

E05F 15/40 (2015.01); **E05F 15/73** (2015.01); **E05Y 2900/132** (2013.01)

Citation (opposition)

Opponent : Bircher Reglomat AG

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- US 5148410 A 19920915 - KUHN GERALD [US]
- DE 4415401 C1 19950727 - DORMA GMBH & CO KG [DE]
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- DE 19804574 C1 19990826 - AGTA RECORD AG [CH]
- DE 3624195 A1 19880121 - FUSS FRITZ GMBH & CO [DE]
- DE 3020483 C2 19820902
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- DE 19700811 A1 19980716 - LANDERT HEINRICH [CH]
- WO 03054333 A2 20030703 - B E A HOLDINGS INC [US]
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- B.E.A.: "Superscan Infrared Presence Beam", B.E.A. INSTRUCTION MANUAL FOR INDUSTRIAL APPLICATIONS, February 2001 (2001-02-01), pages 1 - 8, XP055268138, Retrieved from the Internet <URL:http://www.bea-inc.com/wp-content/themes/bea/documents/75.1035.01%20SuperScan%20Industrial%2020010201.pdf>
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Opponent : GEZE GmbH,

- DE 102004053821 B4 20081218 - DORMA GMBH & CO KG [DE]
- DE 4415401 C1 19950727 - DORMA GMBH & CO KG [DE]
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- US 5148410 A 19920915 - KUHN GERALD [US]
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- US 4967083 A 19901030 - KORNBRERKE HENNING N [US], et al

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EP4321722A1; US11168508B2

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)

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DE 102004053821 B4 20081218; ES 2542423 T3 20150805

DOCDB simple family (application)

EP 05023341 A 20051026; DE 102004053821 A 20041104; ES 05023341 T 20051026