

Title (en)
Automatic door

Title (de)
Automatische Tür

Title (fr)
Porte automatique

Publication
EP 2666946 A1 20131127 (EN)

Application
EP 13166978 A 20130508

Priority
IT RE20120040 A 20120521

Abstract (en)
The method for opening an automatic two-leaf door includes sub-dividing a movement area into a series of adjacent movement zones (M 1 ... M x) and into a series of adjacent presence zones (P 1 ... P x), distributed regularly in a transversal direction to a door area such as to cover a whole width of the area; and independently monitoring each of the zones (M 1 ... M x), (P 1 ... P x) by means of a specific motion sensor (A 1 ... A x) and respectively (B 1 ... B x) exclusively dedicated to monitoring movement of persons or things in the respective zone; sending the signals of the sensors (A 1 , A x), (B 1 ... B x) to a logic circuit which commands activation of the movement means of at least a door leaf such as to cause it respectively to open, up to involving all of a width occupied by the activated sensors (A 1 ... A x) and inhibit closure thereof if one of the sensors (B 1 ... B x) is activated.

IPC 8 full level
E05F 15/20 (2006.01)

CPC (source: EP)
E05F 15/73 (2015.01); **E05Y 2400/356** (2013.01); **E05Y 2800/21** (2013.01)

Citation (search report)
• [Y] EP 1619342 A1 20060125 - BEA SA [BE]
• [Y] EP 0799962 A1 19971008 - LANDERT HEINRICH [CH]
• [A] EP 1491709 A1 20041229 - OPTEX CO LTD [JP]
• [A] EP 1681426 A2 20060719 - DORMA GMBH & CO KG [DE]

Cited by
CN115263131A; JP2020012303A; CN111270945A; EP3613933A1

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

DOCDB simple family (publication)
EP 2666946 A1 20131127; **EP 2666946 B1 20190821**; **EP 2666946 B8 20190925**; ES 2755482 T3 20200422; IT RE20120040 A1 20131122

DOCDB simple family (application)
EP 13166978 A 20130508; ES 13166978 T 20130508; IT RE20120040 A 20120521