

Title (en)
HINGE SENSOR FOR BARRIER

Title (de)
SCHARNIERSENSOR FÜR BARRIERE

Title (fr)
CAPTEUR DE CHARNIÈRE POUR UNE BARRIÈRE

Publication
EP 3286394 A4 20181205 (EN)

Application
EP 16783599 A 20160411

Priority
• US 201514693583 A 20150422
• US 2016026952 W 20160411

Abstract (en)
[origin: WO2016171943A1] Methods and systems are described for determining operation of an openable barrier and direction of movement of a person through an opening controlled by the barrier. A method includes detecting with a hinge sensor a closed position for the barrier, the hinge sensor being mounted to a hinge of the barrier, determining with the hinge sensor when the barrier changes position from the closed position to an open position, detecting with at least one motion sensor motion of an object in proximity to the opening, and determining a direction of movement of the object through the opening based on whether the motion is detected before or after detecting the change in position of the barrier.

IPC 8 full level
E05D 7/00 (2006.01); **E05D 11/00** (2006.01)

CPC (source: EP)
E05D 11/0081 (2013.01); **E05F 15/73** (2015.01); **E05D 11/00** (2013.01); **E05Y 2400/322** (2013.01); **E05Y 2400/326** (2013.01); **E05Y 2400/44** (2013.01); **E05Y 2400/45** (2013.01); **E05Y 2400/452** (2013.01); **E05Y 2400/66** (2013.01); **E05Y 2400/80** (2013.01); **E05Y 2400/852** (2013.01)

Citation (search report)
• [A] US 2005064914 A1 20050324 - GOUGH COREY D [US]
• [A] DE 102010017007 A1 20111124 - HAPS GMBH & CO KG [DE]
• [A] WO 2014102705 A1 20140703 - PIZZATO ELETTRICA SRL [IT]
• [A] EP 2075397 A2 20090701 - GEZE GMBH [DE]
• See references of WO 2016171943A1

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

DOCDB simple family (publication)
WO 2016171943 A1 20161027; CA 2980773 A1 20161027; CA 2980773 C 20230627; EP 3286394 A1 20180228; EP 3286394 A4 20181205

DOCDB simple family (application)
US 2016026952 W 20160411; CA 2980773 A 20160411; EP 16783599 A 20160411