

Title (en)

SYSTEMS AND METHODS TO RETAIN AND REFEED DOOR CURTAINS

Title (de)

SYSTEME UND VERFAHREN ZUM HALTEN UND RÜCKFÜHREN VON TÜRVORHÄNGEN

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR RETENIR ET REMETTRE DES RIDEAUX DE PORTE

Publication

EP 3180488 A1 20170621 (EN)

Application

EP 15753582 A 20150812

Priority

- US 201414458769 A 20140813
- US 2015044835 W 20150812

Abstract (en)

[origin: WO2016025584A1] Systems and methods to retain and refeed door curtains are disclosed. A door (10) is disclosed that includes a track (16) and a curtain (14) that includes a leading section (18). The curtain (14) is to be in at least one of a breakaway state or a normal state, and in at least one of a folded condition or an unfolded condition while in the breakaway state such that: (a) in the normal state, a lateral section in an area proximate the leading section (18) is in guiding engagement with the track (16); (b) in the breakaway state while in the folded condition, the lateral section (19) in the area proximate the leading section (18) is dislodged from the track (16) and folded over onto the main section to define an enfolded space; and (c) in the breakaway state while in the unfolded condition, the lateral section (19) in the area proximate the leading section (18) is dislodged from the track (16) but not folded over onto the main section. The example door (10) also includes an unfolder (200) to be in a position to engage the lateral section (19) proximate the enfolded space as the leading section moves toward an open position while the curtain (14) is in the folded condition.

IPC 8 full level

E06B 9/13 (2006.01); **E06B 9/58** (2006.01)

CPC (source: CN EP)

E06B 9/13 (2013.01 - CN EP); **E06B 9/58** (2013.01 - CN EP); **E06B 2009/585** (2013.01 - CN EP)

Citation (search report)

See references of WO 2016025584A1

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)

WO 2016025584 A1 20160218; AU 2015301785 A1 20170216; AU 2015301785 B2 20180308; BR 112017002881 A2 20171205; BR 112017002881 B1 20220503; CN 106661915 A 20170510; CN 106661915 B 20190111; EP 3180488 A1 20170621; EP 3180488 B1 20200527; JP 2017527718 A 20170921; JP 6453442 B2 20190116

DOCDB simple family (application)

US 2015044835 W 20150812; AU 2015301785 A 20150812; BR 112017002881 A 20150812; CN 201580048679 A 20150812; EP 15753582 A 20150812; JP 2017505532 A 20150812