

Title (en)
TANDEM DOOR HINGE

Title (de)
TANDEMTÜRSCHARNIER

Title (fr)
CHARNIÈRE DE PORTE EN TANDEM

Publication
EP 3461977 A1 20190403 (EN)

Application
EP 18206711 A 20141030

Priority
• EP 13190821 A 20131030
• EP 14796563 A 20141030
• NL 2014050754 W 20141030

Abstract (en)
Door hinge for the food retail, with a self-closing operating range between -5 and 80 degrees. The self-closing torque over the 80 degrees operation range is performed by two sets of springs. One set takes care for the closing torque in the upper part of the range and another set of springs takes care for the lower part of the range. The hinge is provided with a mechanism to prevent additional friction in case of misalignment between the two hinges of one door.

IPC 8 full level
E05F 1/12 (2006.01)

CPC (source: EP)
E05F 1/1253 (2013.01); **E05D 2005/106** (2013.01); **E05Y 2201/706** (2013.01); **E05Y 2600/634** (2013.01); **E05Y 2800/242** (2013.01); **E05Y 2800/28** (2013.01); **E05Y 2900/202** (2013.01)

Citation (search report)
• [XAI] WO 2012049518 A1 20120419 - CHOW CHUNG [CN]
• [XY] DE 102005017382 A1 20061019 - DORMA GMBH & CO KG [DE]
• [X] US 3013297 A 19611219 - CHAMBERLAIN FERRY
• [X] US 5735021 A 19980407 - BRIGGS JEFFREY M [US]
• [Y] US 4097958 A 19780704 - VAN DELL CLARENCE ARTHUR

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)
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