

Title (en)  
ADJUSTABLE RETRACTABLE HINGE

Title (de)  
VERSTELLBARES UND EINZIEHBARES SCHARNIER

Title (fr)  
CHARNIÈRE RÉTRACTABLE ET RÉGLABLE

Publication  
**EP 3130732 A1 20170215 (EN)**

Application  
**EP 16181038 A 20160725**

Priority  
IT UB20152697 A 20150731

Abstract (en)  
An adjustable retractable hinge (2) for articulating a door to a fixed structure, characterized in that it comprises: - a first body (4), with a corresponding first containing housing (8), intended to be inserted within a corresponding first cavity obtained either in said fixed structure or in said door, - a second body (6), which is made in one piece, and a second containing housing (10), which houses said second body (6) and which is intended to be embedded in a corresponding second cavity obtained either in said door or in said fixed structure, - three arms (52, 54, 56), shaped as a rocker and associated to said bodies (4, 6) so as to allow the rotation of the door with respect to said fixed structure, said three arms comprising two substantially equal outer arms (54,56), articulated to the first body (4) and sliding along guides obtained in the second body (6), and a central arm (52), articulated to the second body (6) and sliding along guides obtained in the first body (4), and in that said second body (6) comprises: - a central portion (28), facing said central arm (52) and interposed between the outer arms (54,56), and provided with a single fixing and adjustment element (41), which causes the movement of said second body (6) in the direction of the either greater or lesser insertion depth of the corresponding second containing housing (10), - guiding means (21,24) for said movement of said second body (6) in the direction of its insertion in the corresponding second containing housing (10), said guiding means (20, 21,24) being arranged symmetrically with respect to said adjustment element (41).

IPC 8 full level  
**E05D 3/18** (2006.01); **E05D 7/04** (2006.01)

CPC (source: EP RU)  
**E05D 3/183** (2013.01 - EP RU); **E05D 3/186** (2013.01 - EP RU); **E05D 7/0415** (2013.01 - EP RU); **E05D 7/0423** (2013.01 - EP RU); **E05Y 2600/41** (2013.01 - EP)

Citation (applicant)  
JP 2007177427 A 20070712 - NISHIMURA PLASTICS PACKAGING

Citation (search report)  
• [XDY] JP 2007177427 A 20070712 - NISHIMURA PLASTICS PACKAGING  
• [Y] EP 1063376 A2 20001227 - KOBLENZ SPA [IT]  
• [Y] DE 4435541 A1 19960411 - HEINE & SOHN ANUBA BESCHLAEGE [DE]  
• [Y] DE 102011051190 B3 20120726 - EMKA BESCHLAGTEILE [DE]  
• [Y] BE 687137 A 19670320

Cited by  
EP3168398A1; RU195246U1

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)  
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DOCDB simple family (publication)  
**EP 3130732 A1 20170215; EP 3130732 B1 20191016**; IT UB20152697 A1 20170131; RU 2016132432 A 20180208;  
RU 2016132432 A3 20191024; RU 2723838 C2 20200617

DOCDB simple family (application)  
**EP 16181038 A 20160725**; IT UB20152697 A 20150731; RU 2016132432 A 20160806