

Title (en)
Hinge with locking pivot

Title (de)
Scharnier mit verriegelndem Scharnierzapfen

Title (fr)
Charnière à axe de pivot verrouillant

Publication
EP 1591607 A3 20080903 (EN)

Application
EP 05075854 A 20050412

Priority
IT MI20040828 A 20040427

Abstract (en)
[origin: EP1591607A2] A hinge (1) comprises a female element (2) and a male element (3) coupled together in rotation about a pivot (4) defining the axis (X-X) of the hinge (1). The pivot (4) rotates together with the female element (2) and moves axially with respect to the male (3) and female (2) elements. The hinge (1) comprises engaging means to bring about movement of the pivot (4) along the axis (X-X) as a consequence of mutual rotation of the male (3) and female (2) elements about the axis (X-X). The engaging means comprise a pin (15) which is integral with the male element (3) and is inserted into a through opening (16) formed transversely in the pivot (4) and extending along an axial portion of the pivot (4) along a helical path.

IPC 8 full level
E05D 15/26 (2006.01)

CPC (source: EP)
E05D 11/00 (2013.01); **E05D 11/1007** (2013.01); **E05D 15/264** (2013.01); **E05Y 2201/22** (2013.01); **E05Y 2600/62** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)
• [DA] FR 2555236 A1 19850524 - MANDON MICHEL [FR]
• [A] EP 0637669 A1 19950208 - ARNOLD GMBH [DE]

Cited by
WO2010119464A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
EP 1591607 A2 20051102; **EP 1591607 A3 20080903**; **EP 1591607 B1 20090708**; AT E435954 T1 20090715; DE 602005015273 D1 20090820; IT MI20040828 A1 20040727

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