

Title (en)
Adjustable hinge for door frames

Title (de)
Verstellbares Scharnier für Türrahmen

Title (fr)
Charnière réglable pour cadre de porte

Publication
EP 0992647 A3 20010627 (EN)

Application
EP 99830625 A 19991005

Priority
IT BO980563 A 19981005

Abstract (en)
[origin: EP0992647A2] A hinge for doorframes, adjustable on three axes, envisages first adjustment means (11) for a hinge pin (6), on a hinge body (2), comprising means (35) for the integral connection of a bushing (7) and the relative portion of the pin (6) housed inside it, so as to define a single adjustable body. Moreover, the bushing (7) has an outer radial projection (12) which can be engaged in a corresponding notch (13) in the inner surface of a hole (9) in the hinge body (2), the projection (12) - notch (13) connection being designed to define a pivoting point (F), in the style of a cam, for the bushing, allowing the bushing and the portion of the pin (6) housed in it to be made to perform a pendular movement in both directions, by relative means (14) which can be operated from the outside and which act between the pin (6) and the hole (9), allowing adjustment of the position of the pin (6). Second adjustment means (111) are also envisaged, for adjustment on the vertical axis (Z), the means located and acting on the other hinge body (3), so as to obtain a variation in the relative axial distance (H) between the first and second hinge bodies (2, 3). <IMAGE>

IPC 1-7
E05D 7/04; **E05D 7/00**

IPC 8 full level
E05D 5/02 (2006.01); **E05D 7/00** (2006.01); **E05D 11/00** (2006.01); **E05D 5/14** (2006.01); **E05D 7/04** (2006.01)

CPC (source: EP)
E05D 5/023 (2013.01); **E05D 7/0045** (2013.01); **E05D 11/0054** (2013.01); **E05D 5/14** (2013.01); **E05D 7/0423** (2013.01); **E05D 2007/0081** (2013.01); **E05D 2007/0469** (2013.01); **E05D 2011/0063** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)
[A] EP 0467075 A1 19920122 - HAHN GMBH & CO KG DR [DE]

Cited by
EP1640538A1; EP2339102A1; EP2557258A1; ITVR20100229A1; CN102995990A; US7500286B2; ITBS20090139A1; EP1666688A3; GB2560549A; GB2560549B; FR2836527A1; ITBO20090825A1; RU2742084C1; DE202006002236U1; EP1598510A3; DE102005055395B3; EP1455042A1; GB2464950A; GB2464950B; ITMI20111515A1; WO2007003251A1; WO2019197118A1; WO2006060018A1; WO2007090502A1; WO2004081326A1; EP2186980A1; EP2881531A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0992647 A2 20000412; **EP 0992647 A3 20010627**; **EP 0992647 B1 20040107**; AT E257540 T1 20040115; DE 69914036 D1 20040212; DE 69914036 T2 20041125; ES 2212511 T3 20040716; IT 1304490 B1 20010319; IT BO980563 A1 20000405

DOCDB simple family (application)
EP 99830625 A 19991005; AT 99830625 T 19991005; DE 69914036 T 19991005; ES 99830625 T 19991005; IT BO980563 A 19981005