

Title (en)  
PIN HINGE WITH ELASTIC ADJUSTMENT, ITS USE FOR FIXING A ROTATING PANEL AND DOOR UNIT COMPRISING SAME

Title (de)  
SCHARNIERZAPFEN MIT ELASTISCHER EINSTELLUNG, VERWENDUNG AN EINER ROTIERBAREN PLATTE UND TÜR

Title (fr)  
PAUMELLE A REGLAGE ELASTIQUE, SON UTILISATION POUR LE MONTAGE D'UN PANNEAU ROTATIF ET BLOC-PORTE LA COMPORTANT

Publication  
**EP 1058766 A1 20001213 (FR)**

Application  
**EP 98905456 A 19980129**

Priority  
FR 9800161 W 19980129

Abstract (en)  
[origin: WO9939070A1] The invention concerns a hinge pin (101) for mounting a mobile panel on a fixed door frame comprising a frame hinge (103) wherein is provided an axial cylindrical bore (120) open at least at one of its ends, a strap hinge (102) wherein is provided an axial cylindrical housing (108) open at least at one of its ends, and a cylindrical male connector (104) linking in rotation the strap hinge (102) to the frame hinge (103). The invention is characterised in that the frame hinge (103) bore (120) contains an elastic member (130) capable, when it is compressed, of exerting on the male connector (104) a thrust force for balancing the mobile panel weight, which is applied via said strap hinge (102) on said male connector (104). The invention also concerns the use of said pin hinge for mounting a rotating panel and the door unit comprising it.

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

IPC 8 full level  
**E05D 5/12** (2006.01); **E05D 7/00** (2006.01)

CPC (source: EP KR)  
**E05D 5/14** (2013.01 - KR); **E05D 7/0027** (2013.01 - EP KR); **E05D 7/009** (2013.01 - KR); **E05D 2005/102** (2013.01 - KR); **E05D 2011/0072** (2013.01 - EP); **E05Y 2900/132** (2013.01 - EP)

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

DOCDB simple family (publication)  
**WO 9939070 A1 19990805**; AT E252192 T1 20031115; AU 6103598 A 19990816; BR 9815080 A 20001017; CA 2319034 A1 19990805; CN 1285022 A 20010221; DE 69819041 D1 20031120; EP 1058766 A1 20001213; EP 1058766 B1 20031015; HU P0101000 A2 20010628; HU P0101000 A3 20011228; IL 137463 A0 20010724; JP 2002501998 A 20020122; KR 20010040445 A 20010515; NO 20003886 D0 20000728; NO 20003886 L 20000927; PL 342043 A1 20010521; RO 119791 B1 20050330; SK 11212000 A3 20010710; TR 200002240 T2 20001221

DOCDB simple family (application)  
**FR 9800161 W 19980129**; AT 98905456 T 19980129; AU 6103598 A 19980129; BR 9815080 A 19980129; CA 2319034 A 19980129; CN 98813829 A 19980129; DE 69819041 T 19980129; EP 98905456 A 19980129; HU P0101000 A 19980129; IL 13746398 A 19980129; JP 2000529516 A 19980129; KR 20007008263 A 20000728; NO 20003886 A 20000728; PL 34204398 A 19980129; RO 200000756 A 19980129; SK 11212000 A 19980129; TR 200002240 T 19980129