

Title (en)

Door locking handle assembly of the pull-out and swinging lever-action type

Title (de)

Herausziehbare und schwenkhebelartige Türdrückervorrichtung

Title (fr)

Ensemble de poignée pour la fermeture de porte de genre extensible et a levier basculant

Publication

EP 1018587 A1 20000712 (EN)

Application

EP 99306178 A 19990803

Priority

JP 499 A 19990104

Abstract (en)

In a door locking handle assembly of the pull-out ad swinging lever-action type, there is no risk of corrosion in an outer surface portion of an operating handle (8), which assures no damage in a connecting axle portion of the operating handle (8). In operation, a catch plate (17) is rotated and reaches a rear space of a socket member (16), i.e., reaches a position immediately before its locked position. In this position, when the operating handle (8) is pushed back so as to fall into a concave portion (7) of a stationary casing (2), a plurality of first engaging projections (13) of a bearing sleeve portion (3) are engaged with a plurality of second engaging projections (14) of a control disk (10) to guide the operating handle (8) smoothly to a properly aligned position of the concave portion (7) of the stationary casing (2). <IMAGE>

IPC 1-7

E05B 1/00; **E05B 15/00**

IPC 8 full level

E05B 5/04 (2006.01); **E05B 1/00** (2006.01); **E05B 15/00** (2006.01); **E05B 13/00** (2006.01); **E05B 17/00** (2006.01)

CPC (source: EP KR)

E05B 1/0092 (2013.01 - EP); **E05B 5/00** (2013.01 - KR); **E05B 15/0053** (2013.01 - EP); **E05B 13/002** (2013.01 - EP); **E05B 15/006** (2013.01 - EP); **E05B 17/0025** (2013.01 - EP)

Citation (applicant)

JP 2504714 B2 19960605

Citation (search report)

- [A] GB 2304370 A 19970319 - CHIANG CHING HUA [TW]
- [DA] US 5450735 A 19950919 - ESAKI TAKANOBU [JP], et al & JP 2504714 B2 19960605
- [A] US 5409272 A 19950425 - MCCORMACK EDWARD A [US]

Cited by

CN1293277C; EP1382780A3

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 1018587 A1 20000712; **EP 1018587 B1 20050511**; AT E295461 T1 20050515; DE 69925235 D1 20050616; DE 69925235 T2 20060302; HK 1029158 A1 20010323; KR 100335471 B1 20020504; KR 20000052284 A 20000816; TW 426081 U 20010311

DOCDB simple family (application)

EP 99306178 A 19990803; AT 99306178 T 19990803; DE 69925235 T 19990803; HK 00107302 A 20001116; KR 19990018783 A 19990525; TW 88206683 U 19990429