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

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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)

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