

Title (en)

Handle return device having a flattened shape

Title (de)

Rückstellvorrichtung für Handhabe mit einer flachen Gestalt

Title (fr)

Dispositif de rappel de poignée de forme aplatie

Publication

EP 2333202 B1 20140730 (EN)

Application

EP 10194805 A 20101213

Priority

IT MI20092176 A 20091214

Abstract (en)

[origin: EP2333202A1] A description is given of a device (1; 1') of flattened shape for return actioning a handle (8), comprising: - a hollow body (2; 2'), comprising a cylindrical tang (24), to be inserted in a through recess (3) made across the depth of a door (4), and an annular rim (23), perpendicular to the axis of symmetry of the hollow body (2; 2'), which abuts against the door (4); - a driving disk (5), placed inside the cylindrical tang (24) and having a hole (6) suitable for housing a pin (7) which connects one to the other two handles (8) placed at opposite sides of the door (4); - a cylindrical spring (9) wound axially, placed inside the cylindrical tang (24) between the inner wall of the cylindrical tang (24) and the outer one of the driving disk (5), which acts on the driving disk (5) to return action a handle (8); - means (12; 15-17;17') suitable for fastening the hollow body (2; 2') to the door (4). The device is normally hidden by a metal covering element (10) attached to the hollow body (2; 2') and is fastened to the door (4) by means of screws (12) inserted in seats (14) formed on the annular rim (23) of the hollow body (2) or by means of tie rods (15), inserted in seats (18) formed on the annular rim (23) of the hollow body (2') and in through holes (16) made in the door (4) and blocked in the seat by means of threaded bushes (17).

IPC 8 full level

E05B 3/06 (2006.01)

CPC (source: EP)

E05B 3/065 (2013.01)

Citation (examination)

EP 2264262 A1 20101222 - COLOMBO FABRIZIO [IT], et al

Citation (opposition)

Opponent : CAPRA, Tiziano

- DE 19753934 A1 19990617 - VIELER INT KG [DE]
- "iDesign Brochure", CENTOPERCENTOITALIANO, January 2010 (2010-01-01), pages 1 - 60, XP055297359
- "iDesign Brochure", CENTOPERCENTOITALIANO, February 2009 (2009-02-01), pages 1 - 24, XP055297360

Cited by

US2018298635A1; ITBS20110139A1; ITBS20120038A1; IT201900005104A1; WO2013050915A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2333202 A1 20110615; EP 2333202 B1 20140730; ES 2514640 T3 20141028; IT 1397512 B1 20130116; IT MI20092176 A1 20110615; PL 2333202 T3 20150227

DOCDB simple family (application)

EP 10194805 A 20101213; ES 10194805 T 20101213; IT MI20092176 A 20091214; PL 10194805 T 20101213