

Title (en)

CLOSING DEVICE, PARTICULARLY FOR JEWELS AND THE LIKE

Title (de)

VERSCHLUSSVORRICHTUNG, INSBESONDERE FÜR SCHMUCK UND DERGLEICHEN

Title (fr)

DISPOSITIF DE FERMETURE, EN PARTICULIER POUR BIJOUX ET OBJETS SIMILAIRES

Publication

EP 2858526 A1 20150415 (EN)

Application

EP 13745727 A 20130604

Priority

- IT AR20120018 A 20120607
- IT 2013000157 W 20130604

Abstract (en)

[origin: WO2013183075A1] Present invention relates to a closing device (1, 100), particularly for jewels and like, comprising a main body (2) and at least a hook (3), hinged each other with said at least a hook (3) movable about a hinging axis (4), opposed and by the action of first elastic means (5) provided between said main body (2) and said at least a hook (3), respectively, at least between a closure configuration, wherein a free end (7) of said at least a hook (3) is in contact with an abutment surface (8) defined by said main body (2), and an opening configuration, wherein said free end (7) is far from said abutment surface (8), to permit insertion of said at least one hook (3) within a ring body (9), and vice versa, said device (1) being characterized in that it comprises blocking means (10) in at least one of said configurations, said blocking means (10) comprising, for each one of said at least one hook (3), at least two grooves (11), respectively obtained on a lateral surface (13) of said at least one hook (3), and at least a pawl (12), sliding housed within a sliding seat (14), obtained in said main body (2), along an interception direction (15) substantially perpendicular with respect to said lateral surface (13), second elastic means (16) being further provided between the bottom (18) of said sliding seat (14) and said at least one pawl (12) to maintain said at least one pawl (12) pushed against said lateral surface (13), thus blocking said at least one hook (3) with respect to said main body (2).

IPC 8 full level

A44C 5/20 (2006.01); **F16B 45/02** (2006.01)

CPC (source: EP US)

A44C 5/2033 (2013.01 - US); **A44C 5/2038** (2013.01 - EP US); **F16B 45/026** (2021.05 - US); **F16B 45/037** (2021.05 - US); **F16B 45/02** (2013.01 - EP); **Y10T 24/45016** (2015.01 - EP US)

Citation (search report)

See references of WO 2013183075A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013183075 A1 20131212; CN 104736012 A 20150624; EP 2858526 A1 20150415; IT AR20120018 A1 20131208; US 2015181987 A1 20150702

DOCDB simple family (application)

IT 2013000157 W 20130604; CN 201380030201 A 20130604; EP 13745727 A 20130604; IT AR20120018 A 20120607; US 201314405893 A 20130604