

Title (en)

HOOK CENTERING AND HOLDING DEVICE FOR BACKLASH-FREE CENTERING AND HOLDING A MEMBER, PARTICULARLY A BODY MEMBER

Title (de)

HAKENZENTRIER- UND -HALTEVORRICHTUNG ZUM SPIELFREIEN ZENTRIEREN UND HALTEN EINES TEILES, INSBESONDERE EINES KAROSSERIE TEILS

Title (fr)

DISPOSITIF DE RETENUE ET DE CENTRAGE DE CROCHET POUR LE CENTRAGE ET LA RETENUE SANS JEU D'UN ÉLÉMENT, EN PARTICULIER D'UN ÉLÉMENT DE CARROSSERIE

Publication

EP 4082720 B1 20240327 (EN)

Application

EP 22000109 A 20220422

Priority

IT 202100010481 A 20210426

Abstract (en)

[origin: EP4082720A1] A hook-shaped centering and holding device adapted for centering and holding a member (S), particularly a body member or a support member for supporting an equipment, provided with at least one centering hole (H), comprises a body (12) defining a bearing surface (66a) for the member (S), and a hooking member (16) movable between a resting position spaced from the bearing surface (66a) and at least one locking position close to the bearing surface (66a), and means for controlling the movement of the hooking member (16), including a control mechanism (14) operated by the movement of a rod (18). The outer surface of the centering pin (21) has at least one conical section (23d) that diverges towards the main body (12), which forms an backlash-free engagement zone for the hole (H). The centering pin (21) is slidable with respect to the body (12) and is biased by elastic thrust means (62) tending to move it away from the body (12) when the hole (H) is positioned at said backlash-free engagement zone.

IPC 8 full level

B25B 5/16 (2006.01); **B25B 5/06** (2006.01); **B25B 5/12** (2006.01)

CPC (source: EP)

B25B 5/122 (2013.01); **B25B 5/166** (2013.01)

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 4082720 A1 20221102; **EP 4082720 B1 20240327**; IT 202100010481 A1 20221026

DOCDB simple family (application)

EP 22000109 A 20220422; IT 202100010481 A 20210426