

Title (en)
CENTRICAL TENSIONING DEVICE

Title (de)
ZENTRISCH-SPANNVORRICHTUNG

Title (fr)
DISPOSITIF DE SERRAGE CENTRAL

Publication
EP 2977145 B1 20170510 (DE)

Application
EP 15174952 A 20150702

Priority
DE 102014110352 A 20140723

Abstract (en)
[origin: US2016023329A1] A centric clamping device, which contains a main body, two clamping jaws, guided so they can be displaced on the main body, and an adjusting spindle, supported by a spindle bearing so that it can rotate on the main body for the opposing adjustment of the two clamping jaws. A high-precision spindle bearing, optimally protected against soiling, is attained in that the spindle bearing is located in a bearing block and two bearing sleeves, which can be adjusted axially within the bearing block.

IPC 8 full level
B25B 1/24 (2006.01); **B25B 1/10** (2006.01)

CPC (source: EP US)
B25B 1/103 (2013.01 - EP US); **B25B 1/2405** (2013.01 - EP US); **B25B 1/2489** (2013.01 - EP US); **B25B 1/24** (2013.01 - US); **B25B 1/2484** (2013.01 - US)

Citation (opposition)
Opponent : Engineering Data
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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)
DE 102014110352 B3 20151008; EP 2977145 A1 20160127; EP 2977145 B1 20170510; EP 2977145 B2 20221026;
US 2016023329 A1 20160128; US 9962812 B2 20180508

DOCDB simple family (application)
DE 102014110352 A 20140723; EP 15174952 A 20150702; US 201514805020 A 20150721