

Title (en)
TOGGLE CLAMPING DEVICE

Title (de)
KNIEHEBELSPANNVORRICHTUNG

Title (fr)
DISPOSITIF DE SERRAGE A GENOUILLERE

Publication
EP 1309426 A1 20030514 (DE)

Application
EP 02737991 A 20020425

Priority

- DE 10136057 A 20010725
- EP 0204550 W 20020425

Abstract (en)
[origin: DE10136057C1] The knee-lever clamp comprises a clamping head (1) and a drive (5) which is axially connected to it. The drive may be formed as a piston-cylinder unit or as a linear motor. The drive actuates a rod (10) in the longitudinal direction (X,Y). The rod is connected to a knee-lever joint arrangement (2) by a transmission element (18). A clamping arm (4) is swivellably driven by the knee-lever joint arrangement.

IPC 1-7
B25B 5/06; **B25B 5/12**

IPC 8 full level
B25B 5/12 (2006.01); **B25B 5/16** (2006.01)

CPC (source: EP US)
B25B 5/12 (2013.01 - EP US); **B25B 5/122** (2013.01 - EP US); **B25B 5/16** (2013.01 - EP US)

Citation (search report)
See references of WO 03011528A1

Cited by
CN106272651A; CN105382746A; CN108907587A; EP2055430A1

Designated contracting state (EPC)
ES FR GB IT SE

DOCDB simple family (publication)
DE 10136057 C1 20021002; EP 1309426 A1 20030514; EP 1309426 B1 20050302; ES 2238575 T3 20050901; US 2005225018 A1 20051013; US 7066459 B2 20060627; WO 03011528 A1 20030213

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DE 10136057 A 20010725; EP 0204550 W 20020425; EP 02737991 A 20020425; ES 02737991 T 20020425; US 38118703 A 20030905