

Title (en)

Centering clamp

Title (de)

Mittenspannvorrichtung

Title (fr)

Dispositif de serrage et de centrage

Publication

EP 1525950 A3 20050907 (DE)

Application

EP 04020219 A 20040826

Priority

DE 20313816 U 20030905

Abstract (en)

[origin: EP1525950A2] The clamped item (9) is held by clamp blocks (13) in bushes (12) attached to spring (15) loaded sliding plungers (3) which are rotationally fixed and advanced by a wedge shaped block (20) positioned by an arm (6) driven by a motor (5) after a first movement of the columns (2).

IPC 1-7

B23Q 3/06; **B23Q 5/34**; **B25B 1/08**

IPC 8 full level

B25B 5/14 (2006.01)

CPC (source: EP)

B25B 5/147 (2013.01)

Citation (search report)

- [A] GB 2041262 A 19800910 - ASEA AB
- [AD] US 4511127 A 19850416 - SCHRON JACK H [US], et al
- [A] DE 3842085 C1 19890824
- [A] DE 4011723 A1 19911017 - MARKWART EIKE [DE]

Cited by

CN112743410A; CN106312872A; CN102909616A; CN108856896A; TWI451943B

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 20313816 U1 20031106; EP 1525950 A2 20050427; EP 1525950 A3 20050907

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DE 20313816 U 20030905; EP 04020219 A 20040826