

Title (en)

ADJUSTMENT OF FORCE FOR CLAMPING DEVICE

Publication

EP 0509265 A3 19930310 (DE)

Application

EP 92104834 A 19920320

Priority

DE 4112547 A 19910417

Abstract (en)

[origin: US5192062A] The clamping force adjusting device for a clamp device comprises a hollow housing (1) supported on a movable clamping part of the same, through which housing passes a rotatable and slidable tension rod (5), whose first end can be coupled to a force amplifier and whose second end (5b) carries a tension sleeve (6) fixed thereon. The tension sleeve (6) is supported on Belleville springs (9) through a thrust bearing (8) and an intermediate sleeve (b 10), the Belleville springs being supported directly in the housing (1). An adjusting sleeve (13) screws into a fine thread (14) of the housing (1) and has at its end facing the Belleville springs (9) a radially inwardly directed first stop shoulder (16), which cooperates with a radially outwardly directed second stop shoulder (17) of the intermediate sleeve (10) and/or a spacer ring (18) bearing on the thrust bearing (8).

IPC 1-7

B25B 1/10; **B25B 1/24**

IPC 8 full level

B23Q 3/06 (2006.01); **B25B 1/06** (2006.01); **B25B 1/10** (2006.01); **B25B 1/24** (2006.01)

CPC (source: EP KR US)

B25B 1/103 (2013.01 - EP US); **B25B 1/18** (2013.01 - KR); **B25B 1/24** (2013.01 - EP US)

Citation (search report)

- [A] DE 2710424 A1 19780914 - ROEHM GUENTER H
- [APD] DE 4018284 C1 19910418

Cited by

CN107297636A

Designated contracting state (EPC)

AT CH ES FR GB IT LI SE

DOCDB simple family (publication)

EP 0509265 A2 19921021; **EP 0509265 A3 19930310**; **EP 0509265 B1 19950524**; AT E122950 T1 19950615; DE 4112547 A1 19921022; DE 4112547 C2 19930204; JP 3200144 B2 20010820; JP H06262535 A 19940920; KR 100226647 B1 19991015; KR 920019487 A 19921119; US 5192062 A 19930309

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