

Title (en)

Device for adjusting the clamping force in a clamping device especially in a machine tool vice.

Title (de)

Einstelleinrichtung für die Spannkraft bei einer Spannvorrichtung, insbesondere Maschinenschraubstock.

Title (fr)

Dispositif de réglage de la force de serrage dans un dispositif de serrage en particulier pour un étau de machine-outil.

Publication

EP 0582792 B1 19950712 (DE)

Application

EP 93108265 A 19930521

Priority

DE 4223083 A 19920714

Abstract (en)

[origin: EP0582792A1] The adjusting device is used to preset the clamping force generated by a clamping force amplifier in a clamping device. A threaded drive spindle (5), which is used to actuate the clamping force amplifier and is guided, for its part, in a hollow fast-motion spindle (4), carries on its circumference a radial projection (13) which is assigned stop pieces (18.1 to 18.4) which are arranged along the helical adjustment path traversed by the stop projection (13) upon rotation of the threaded drive spindle (5) in such a way that they are firmly held by an adjusting sleeve (21), depending on its presetting, either protruding into the adjustment path (14) so that they restrict by bearing on the stop projection (13), or are released for radial displacement, so that they can allow the stop projection (13) to pass. <IMAGE>

IPC 1-7

B25B 1/10

IPC 8 full level

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CPC (source: EP)

B25B 1/106 (2013.01); **B25B 1/24** (2013.01)

Cited by

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