

Title (en)
TOOL HOLDER

Publication
EP 0293327 B1 19910710 (DE)

Application
EP 88810289 A 19880504

Priority
DE 3717614 A 19870525

Abstract (en)
[origin: EP0293327A2] The tool holder, consisting essentially of a guide tube (3) and an adjusting sleeve (6) rotatably mounted thereon, has holding segments (7), of roughly U-shaped design in cross-section, for locking the tool (5). In this arrangement, the legs of the holding segment (7), which are designed as locking elements (7a) and driving strips (7b), engage in longitudinal grooves (5b, 5c) of the tool (5). Either the entire holding segment (7) or only the driving strip (7b) can be disengaged radially by rotating the adjusting sleeve (6). As a result, the holding segment (7) plunges into escape niches (6a) on the inside of the adjusting sleeve (6). The position of the holding segments (7) is controlled by a cam (7c) on the outside of the holding segments which interacts with an inner contour (6b) on the adjusting sleeve (6). A catch with a ball (8) and an annular spring (9) secures the adjusting sleeve (6) in the different rotary positions. <IMAGE>

IPC 1-7
B23B 31/02; B25D 17/08

IPC 8 full level
B23B 31/02 (2006.01); **B23B 31/107** (2006.01); **B25D 17/08** (2006.01); **B28D 1/14** (2006.01)

CPC (source: EP US)
B25D 17/088 (2013.01 - EP US); **B25D 2217/0034** (2013.01 - EP US); **B25D 2217/0038** (2013.01 - EP US); **Y10T 279/17068** (2015.01 - EP US); **Y10T 279/17717** (2015.01 - EP US); **Y10T 279/17803** (2015.01 - EP US)

Cited by
CN108350676A; US6092814A; US5174698A; AU2016235990B2; US10239195B2; WO2017087269A1; WO2016153651A1; WO9728930A1; WO2014090840A1; US10314610B2; US11154319B2; US10080579B2; US10849634B2; US10905453B2; US11864784B2

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