

Title (en)
CLAMPING CHUCK.

Title (de)
SPANNFUTTER.

Title (fr)
MANDRIN DE SERRAGE.

Publication
EP 0639118 A1 19950222 (DE)

Application
EP 93909541 A 19930504

Priority
• DE 4214838 A 19920505
• EP 9301081 W 19930504

Abstract (en)
[origin: WO9322091A1] A clamping chuck (20) for machine-tools has a chuck body (21) with an inner receiving cone (23) for a collet chuck (25) provided with an outer conus (27). The chuck body (21) is connectable to the work spindle of the machine-tool. A draw-in tube adapter (31) is connectable on the one side to the draw-in tube of the machine-tool and on the other side has a coupling device (32) for the collet chuck (25). The coupling device (32) has a coupling ring (33) provided with a coupling groove (34) and linked to the draw-in tube adapter (31). A number of coupling segments (35) are distributed around the circumference and are mutually linked by elastic intermediate members. The coupling segments (35) have at their rear end area a first coupling rib (37) and at the front end area a second coupling rib (38). The first coupling rib (37) engages the coupling groove (34) in the coupling ring (32). The second coupling rib (38) engages the coupling groove (29) in the clamping jaw (26). The coupling segments (35) are provided on their outer side with at least one radial cam with which cooperate corresponding radial cams of a cam ring (41) movably guided in the same axial area as the coupling segments (35) in the chuck body (21). The cam ring (41) can be moved by a driving device (43) between a coupling position and a releasing position of the collet chuck (25).

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