Title (en)

DEVICE ON HAND MACHINE TOOLS FOR ROTARY TOOL DRIVE

Title (de)

EINRICHTUNG AN HANDWERKZEUGMASCHINEN ZUR DREHMITNAHME VON WERKZEUGEN

Title (fr)

DISPOSITIF D'ENTRAINEMENT EN ROTATION D'OUTILS POUR MACHINES-OUTILS MANUELLES

Publication

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Application

EP 95903257 A 19941224

Priority

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Abstract (en)

[origin: US5868209A] PCT No. PCT/DE94/01534 Sec. 371 Date Jul. 1, 1996 Sec. 102(e) Date Jul. 1, 1996 PCT Filed Dec. 24, 1994 PCT Pub. No. WO95/19243 PCT Pub. Date Jul. 20, 1995A device on hand-held tool-driving machines for the coupling of pounding and/or drilling tools is proposed, comprising at least three couplings and one axial locking feature, which are uniformly distributed over the circumference of the tool shank (11) and seating hole (13) of a tool holder (10). The couplings comprise recesses (17, 19, 21) on the tool shank (11) running axially to the shank end and also projections (18, 20, 22) on the circumference of the seating hole (13) running axially and engaging with the recesses. In order to avoid thrust-like overloads, it is proposed that the coupling (21, 22) in the circumferential area opposite the axial locking feature be designed/shaped such that its recess (21) and projection (22) on at least one longitudinal side run in chord-shaped fashion to the circumference of the tool shank (10) or the seating hole (13) of the tool holder (10) (FIG. 1).

IPC 1-7

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