

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  
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Abstract (en)  
[origin: US6089798A] PCT No. PCT/DE94/01535 Sec. 371 Date Dec. 2, 1996 Sec. 102(e) Date Dec. 2, 1996 PCT Filed Dec. 24, 1994 PCT Pub. No. WO95/19244 PCT Pub. Date Jul. 20, 1995A device on hand-held tool-driving machines for the coupling of pounding and/or drilling tools is proposed, wherein on the tool shank (11) and the tool holder (10) are located at least three couplings comprising grooves (17, 18, 22) that run axially to the shank end and coupling gibs (19, 20, 23) on the tool holder (10) that engage in said grooves, and also an axial locking feature comprising a depression (21) in the tool shank (11) that runs axially and is closed toward the shank end and a locking body (16) in the tool holder (10) that engages in said depression, two of said couplings (17, 19 and 18, 20) being at least partially opposite one another. For the purpose of uniform torque loading of tool shank (11) and tool holder (10), the couplings located one behind the other on the shank circumference starting from the axial locking feature are positioned with their coupling flanks on a circumferential angle of >180 DEG , <240 DEG (FIG. 1).

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