

Title (en)

HAND HELD OR HAND GUIDED SANDING OR POLISHING POWER TOOL AND BACKING PAD FOR USE IN SUCH A POWER TOOL

Title (de)

HANDGEHALTENES ODER HANDGEFÜHRTES SCHLEIF- ODER POLIERELEKTROWERKZEUG UND STÜTZTELLER ZUR VERWENDUNG IN SOLCH EINEM ELEKTROWERKZEUG

Title (fr)

OUTIL ÉLECTRIQUE DE PONÇAGE ET DE POLISSAGE PORTATIF OU GUIDÉ À MAIN ET TAMPON D'APPUI POUR UNE UTILISATION DANS UN TEL OUTIL ÉLECTRIQUE

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Application

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Abstract (en)

The invention refers to a hand held or hand guided sanding or polishing power tool (1). The tool (1) comprises a motor operated electrically or pneumatically, a tool shaft (21) directly or indirectly driven by the motor, an eccentric element (19) attached to the tool shaft (21) in a torque proof manner, a backing pad (9; 9a) with a bottom surface (15) adapted for releasable attachment of a sanding or polishing element (12; 12a) and with a rotary shaft (17) attached to the center on a top side (24) of the backing pad (9; 9a), wherein the rotary shaft (17) is mounted to the eccentric element (19) in a freely rotatable manner, with a rotational axis (18) of the rotary shaft (17) spaced apart from a rotational axis (10; 10a) of the tool shaft (21). It is proposed that a multi-angle joint (25) is located between the backing pad (9; 9a) and the eccentric element (19), in order to allow swivelling of the backing pad (9; 9a) into orientations inclined to an original plane extending perpendicular in respect to the rotational axis (10; 10a) of the tool shaft (21).

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- [X] US 2004082285 A1 20040429 - BOHLER DANIEL [DE]
- [A] DE 8808546 U1 19881027
- [A] DE 3806145 A1 19890907 - KRESS ELEKTRIK GMBH & CO [DE]

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