

Title (en)
HAND-HELD AND HAND-GUIDED POWER TOOL COMPRISING A WORKING ELEMENT RELEASABLY ATTACHED THERETO AND WORKING ELEMENT IN THE FORM OF A BACKING PAD FOR SUCH A POWER TOOL

Title (de)
HANDHALTBARES UND HANDGEFÜHRTES ELEKTROWERKZEUG MIT EINEM LÖSBAR DARAN ANGEBRACHTEN ARBEITSELEMENT UND ARBEITSELEMENT IN FORM EINES STÜTZTELLERS FÜR SOLCH EIN ELEKTROWERKZEUG

Title (fr)
OUTIL ÉLECTRIQUE GUIDÉ ET TENU À LA MAIN COMPRENANT UN ÉLÉMENT DE TRAVAIL FIXÉ AMOVIBLE ET ÉLÉMENT DE TRAVAIL SOUS LA FORME D'UN TAMPON D'APPUI POUR UN TEL OUTIL ÉLECTRIQUE

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Application
EP 18186573 A 20180731

Priority
EP 18155369 A 20180206

Abstract (en)
The invention refers to a plate-like backing pad member (9) for use with a hand-held and hand-guided power tool (1). The backing pad member (9) is adapted for releasable attachment to a driving shaft (27) of the power tool (1) by means of a mechanical form fit connection arrangement comprising a protrusion member (16) connected to the driving shaft (27) and a recess member (17) connected to the backing pad member (9). The form fit connection is releasable in an axial direction running parallel to a rotational axis (13) of the backing pad member (9). The protrusion member (16) is held in the axial direction within the recess member (17) by means of an axial holding arrangement. It is suggested that the axial holding arrangement comprises at least one permanent magnet (40) on the one hand and at least one ferromagnetic element (41) or at least one further permanent magnet on the other hand exerting a magnetic force for holding the protrusion member (16) in the axial direction within the recess member (17). The at least one permanent magnet (40) or the at least one ferromagnetic element (41) or the at least one further permanent magnet is located in or makes part of the recess member (17).

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Citation (applicant)
• EP 2669044 A1 20131204 - FESTOOL GROUP GMBH & CO KG [DE]
• DE 4444496 A1 19960620 - METEC CNC PRAEZISIONSTEILE GMB [DE]

Citation (search report)
• [XY] DE 29923017 U1 20000224 - KOENIG J GMBH & CO WERKZEUGFAB [DE]
• [YD] EP 2669044 A1 20131204 - FESTOOL GROUP GMBH & CO KG [DE]
• [Y] JP H10249698 A 19980922 - TAKASAKI TETSUDO SEIBI KK, et al

Cited by
AT18203U1; EP3854523A1; EP4063069A1; EP3967457A1

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