

Title (en)

SANDING PAD HAVING A SEALING ELEMENT AND A RIB STRUCTURE, AND SANDING MACHINE

Title (de)

SCHLEIFTELLER MIT EINEM DICHTUNGSELEMENT UND EINER RIPPENSTRUKTUR SOWIE SCHLEIFMASCHINE

Title (fr)

DISQUE ABRASIF COMPORTANT UN ÉLÉMENT D'ÉTANCHÉITÉ ET UNE STRUCTURE NERVURÉE, ET PONCEUSE

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Application

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Abstract (en)

[origin: WO2021175687A1] The invention relates to a sanding pad (40) for a sanding machine (15), comprising a drive holder (49), situated on the machine side (41) of the sanding pad, to be fastened in a non-rotatable manner to a drive (26) of the sanding machine (15), such that the sanding pad (40) can be driven by the sanding machine in an in particular rotational and/or eccentric sanding motion that is suitable for sanding a workpiece (W); wherein the sanding pad comprises a machining side (42), which is opposite the machine side (41) and has a machining face (45) on which a sanding means (90) for abrasive machining of a workpiece (W) can be arranged so as to be fixed or removable using an adhesive layer (66); wherein inflow openings (48) for dust-laden dirty air (S) to flow in are situated in the machining face (45), and outflow openings (43) fluidically connected to the inflow openings via through-channels (59) are situated on the machine side (41); wherein the outflow openings (43) are situated in a suction zone (44) within an annular sealing element (80) that is situated on the machine side (41) for sealingly contacting a counter-sealing element (36) of the sanding machine; wherein the sanding pad comprises a planar body (50) which has a supporting wall (54) provided for supporting the sanding means (90), which supporting wall is reinforced by a rib structure (55), the ribs (56) of which project beyond the supporting wall (54) towards the machine side (41); wherein the ribs (56) delimit cavities (57) which are closed by the supporting wall (54) with respect to the machining side (42) and are open with respect to the machine side (41). The invention also relates to a sanding machine which comprises a sanding pad of this type. According to the invention, the sealing element (80) covers at least some of the cavities (57) with respect to the machine side (41).

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