

Title (en)

GRINDING WHEEL COMPRISING VEGETABLE SEEDS AS FILLING MATERIAL AND MANUFACTURING METHOD

Title (de)

SCHLEIFSCHEIBE MIT PFLANZLICHEN SAMENKAPSELN ALS FÜLLSTOFF UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

MEULE COMPRENANT DES CONCEPATACTES VEGETALS COMME MATERIEL DE REMPLISSAGE ET PROCEDE DE SA FABRICATION

Publication

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Application

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Abstract (en)

[origin: WO2010086371A1] The invention relates to a synthetic-resin-bonded grinding disk comprising a mixture of abrasive grain, binding agent, and pore formers, wherein the pore formers are plant seeds and are contained in the finished grinding disk. The grinding disk is composed of 60 to 90 wt % of abrasive grain and 10 to 40 wt % of a binding agent, wherein the plant seeds constitute up to 80 wt % of the binding agent. The plant seeds can contain oil and can be rape seeds, poppy seeds, clover seed, lupin seeds, mustard seeds, serradella vetch seeds, or similar plant seeds. The grinding disk can be produced by mixing abrasive grain, binding agent, and plant seeds, pouring the starting mixture into a mold provided therefor, pressing the mixture, pre-drying the mixture, and curing the grinding disk. The plant seeds are not burned in the production of the grinding disk. The grinding disk is cured at temperatures of up to 250 °C, preferably of up to 200 °C, more preferably of up to 180 °C, and more preferably of up to 150 °C.

IPC 8 full level

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