

Title (en)

Hone and manufacturing of the same

Title (de)

Honwerkzeug und Herstellungsverfahren desselben

Title (fr)

Rodoir et son procédé de fabrication

Publication

EP 0773088 A1 19970514 (FR)

Application

EP 96402229 A 19961018

Priority

FR 9513199 A 19951108

Abstract (en)

The grinding wheel is made from particles of one material, with a grain size of 0.2-10 mm and, preferably, 0.2-3 mm, distributed randomly in a matrix of a second material. This second material is a thermosetting resin or a metal coated with a binding agent based on a thermo-setting resin. The particles forming the first material of the grinding wheel can be of a metal coated with a thermosetting resin binding agent, with the metal comprising 20-90 per cent, and preferably 50-65 per cent of the weight of the particles. The particles themselves represent between 2 and 40 per cent, and preferably 3-20 per cent of the weight of the grinding wheel. The metal can be, for example, chrome, iron, stainless steel, nickel, copper, titanium oxide, zinc, antimony, aluminium, tin or lead, and the thermosetting resin in the binding agent can be a polyester, epoxy or polyurethane resin.

Abstract (fr)

Ce rodoir comprend des particules 1 de granulométrie comprises entre 0,2 et 10 mm et, de préférence, entre 0,2 et 3 mm réparties au hasard dans une matrice 2 de dureté différente. <IMAGE>

IPC 1-7

B24B 37/04; **B24D 7/14**

IPC 8 full level

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CPC (source: EP)

B24D 5/14 (2013.01); **B24D 7/14** (2013.01); **B24D 18/0009** (2013.01)

Citation (search report)

- [A] US 5022191 A 19910611 - BROIDO GEORGES H G [FR]
- [A] US 3913279 A 19751021 - BROIDO JACQUES JEAN GEORGES GA
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 335 (M - 856) 27 July 1989 (1989-07-27)

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EP 0773088 A1 19970514; **EP 0773088 B1 20010103**; AT E198436 T1 20010115; DE 69611425 D1 20010208; FR 2740716 A1 19970509; FR 2740716 B1 19980102; JP H09168965 A 19970630

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