

Title (en)

Resinoid grinding wheel having core portion made of metallic material

Title (de)

Harzgebundene Schleifscheibe mit aus metallischem Material hergestelltem Kernteil

Title (fr)

Meule résinoïde comportant une partie de noyau en matière métallique

Publication

EP 1129824 A3 20031112 (EN)

Application

EP 01103964 A 20010219

Priority

JP 2000056923 A 20000302

Abstract (en)

[origin: EP1129824A2] A grinding wheel (10) including a reinforced core portion (10a) and a grinding portion (10b) which is located radially outwardly of the reinforced core portion and which has an abrasive structure in which abrasive grains (12) are held together by a bonding agent (18) in the form of a thermosetting resin. The grinding wheel is characterized in that the reinforced core portion is made of a metallic material which has a thermal expansion coefficient ranging from $\alpha - (5 \times 10^{-6}) \text{ }^{\circ}\text{C}^{-1}$ to $\alpha + (5 \times 10^{-6}) \text{ }^{\circ}\text{C}^{-1}$, where α represents a thermal expansion coefficient of the grinding portion. <IMAGE>

IPC 1-7

B24D 3/28; **B24D 3/08**; **B24D 5/04**

IPC 8 full level

B24D 3/28 (2006.01); **B24D 5/04** (2006.01)

CPC (source: EP KR)

B24D 3/28 (2013.01 - EP KR); **B24D 5/04** (2013.01 - EP)

Citation (search report)

- [A] US 5834569 A 19981110 - RAMANATH SRINIVASAN [US], et al
- [A] EP 0260850 A2 19880323 - BRITISH PETROLEUM CO PLC [GB]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 05 14 September 2000 (2000-09-14)
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 244 (M - 1127) 24 June 1991 (1991-06-24)

Cited by

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