

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 A2 20010905 (EN)**

Application

**EP 01103964 A 20010219**

Priority

JP 2000056923 A 20000302

Abstract (en)

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  $\alpha$  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)

Cited by

CN109483414A; CN103264359A; CN103770030A; EP3293313A1; CN103624697A; CN103240684A; CN103624698A; EP2623264A3; US10273652B2

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