

Title (en)  
Roughing disc

Title (de)  
Schrupp-Schleifscheibe

Title (fr)  
Disque d'ébauche

Publication  
**EP 1543923 B1 20060510 (DE)**

Application  
**EP 04027627 A 20041120**

Priority  
DE 10359747 A 20031219

Abstract (en)  
[origin: EP1543923A1] The grinding disc has at least two layers (16, 17) of bonded grinding particles (11) each strengthened on each side towards the centre axis (6) by reinforcements (19, 14, 18). Between the adjoining layers is an annular dividing layer (20) extending up close to the outer circumference (9) and having an outer diameter, inner diameter and thickness which separates the adjoining layers from each other but supports same relative to each other towards the centre axis. The dividing layer can itself consist of two adjoining intermediate layers.

IPC 8 full level  
**B24D 5/12** (2006.01); **B24D 7/14** (2006.01)

CPC (source: EP)  
**B24D 5/12** (2013.01); **B24D 7/14** (2013.01)

Cited by  
WO2009138114A1; CN108778629A; EP2760636A4; CN106346379A; FR2898070A1; AU2007222236B2; DE102008023946B3; CN102026777A; AU2008356428B2; WO2020078563A1; EP3536455A1; WO2007101957A3; EP2130646A1; DE202008014496U1; US8177608B2; WO2020147922A1; EP2760636A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1543923 A1 20050622; EP 1543923 B1 20060510**; AR 046894 A1 20051228; AT E325685 T1 20060615; BR PI0405613 A 20050830; DE 10359747 A1 20050714; DE 502004000537 D1 20060614; ES 2264786 T3 20070116; MX PA04012430 A 20050623; PL 1543923 T3 20060831; ZA 200410025 B 20050928

DOCDB simple family (application)  
**EP 04027627 A 20041120**; AR P040104670 A 20041215; AT 04027627 T 20041120; BR PI0405613 A 20041217; DE 10359747 A 20031219; DE 502004000537 T 20041120; ES 04027627 T 20041120; MX PA04012430 A 20041209; PL 04027627 T 20041120; ZA 200410025 A 20041210