

Title (en)  
RESIN-BONDED GRINDING WHEEL

Publication  
**EP 0061035 A3 19830727 (EN)**

Application  
**EP 82101696 A 19820304**

Priority  
US 24585581 A 19810320

Abstract (en)  
[origin: EP0061035A2] A resin-bonded grinding wheel containing cubic boron nitride abrasive grits wherein the resinous bonding matrix contains, as a filler, (1) iron sulfide and an alkali sulfate in a volume ratio of 1/4 to 4/1, (2) cryolite, or (3) potassium aluminum fluoride, or a mixture of (1), (2), and/or (3), in the amount of 8 to 50% by volume of the abrasive, bond, and filler combination.

IPC 1-7  
**B24D 3/34**

IPC 8 full level  
**B24D 3/28** (2006.01); **B24D 3/24** (2006.01); **B24D 3/34** (2006.01)

CPC (source: EP)  
**B24D 3/344** (2013.01)

Citation (search report)

- [Y] FR 2385494 A1 19781027 - NORTON CO [US]
- [YD] GB 834351 A 19600504 - ABRASIVE & METAL PRODUCTS COMP
- [A] FR 1330483 A 19630621 - CARBORUNDUM CO
- [AD] DE 2230701 A1 19740110 - WINTER & SOHN ERNST
- [A] GB 1472044 A 19770427 - INST MATERIAL AKAD NAUK UKRAIN
- [A] US 4253850 A 19810303 - RUE CHARLES V, et al

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Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0061035 A2 19820929; EP 0061035 A3 19830727**; AU 8080082 A 19820923; BR 8201393 A 19830201; CA 1188103 A 19850604; DE 61035 T1 19830721; ES 510379 A0 19830816; ES 8308245 A1 19830816; IN 155234 B 19850112; JP S57163067 A 19821007; ZA 821215 B 19830126

DOCDB simple family (application)  
**EP 82101696 A 19820304**; AU 8080082 A 19820225; BR 8201393 A 19820315; CA 396042 A 19820211; DE 82101696 T 19820304; ES 510379 A 19820312; IN 233CA1982 A 19820301; JP 3960782 A 19820315; ZA 821215 A 19820224