



- (51) International Patent Classification:
B24D 3/02 (2006.01) *B24D 3/14* (2006.01)
B24D 3/04 (2006.01)
- (21) International Application Number:
PCT/US2015/063265
- (22) International Filing Date:
1 December 2015 (01.12.2015)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
62/086,112 1 December 2014 (01.12.2014) US
- (71) Applicants: SAINT-GOBAIN ABRASIVES, INC.
[US/US]; One New Bond Street, Worcester, Massachusetts
01615 (US). SAINT-GOBAIN ABRASIFS [FR/FR]; Rue
de l'Ambassadeur, 78700 Conflans-Sainte-Honorine (FR).

- (72) Inventors: SARANGI, Nilanjan; 17 Birch Lane, Shrews-
bury, Massachusetts 01545 (US). RUKMANI, Sandhya
Jayaraman; 293 Turnpike Road, Apt 119, Worcester,
Massachusetts 01604 (US). FOX, Stephen E.; 215 May
Street, Worcester, Massachusetts 01602 (US). KRAUSE,
Russell L.; 418 Grafton Street, Shrewsbury, Massachusetts
01545 (US).
- (74) Agents: ABEL LAW GROUP, LLP et al.; 8911 N. Capit-
al of Texas Hwy, Bldg 4, Suite 4200, Austin, Texas 78759
(US).
- (81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG,
MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC,
SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ,

[Continued on next page]

(54) Title: ABRASIVE ARTICLE INCLUDING AGGLOMERATES HAVING SILICON CARBIDE AND AN INORGANIC BOND MATERIAL

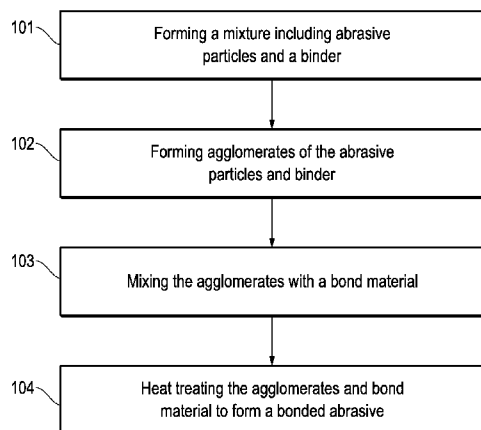


FIG. 1

(57) Abstract: An abrasive article including a body includ-
ing a bond material having an inorganic material including a
ceramic, abrasive agglomerates including silicon carbide
contained within the bond material, and a permeability of at
least 60.



TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

— *with international search report (Art. 21(3))*

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*