



(51) International Patent Classification:
B24B 1/00 (2006.01) **B24D 3/02** (2006.01)
B24D 5/02 (2006.01)

(21) International Application Number:
PCT/US2011/047870

(22) International Filing Date:
16 August 2011 (16.08.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/374,176 16 August 2010 (16.08.2010) US

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(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, 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, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

[Continued on next page]

(54) Title: METHODS OF GRINDING WORKPIECES COMPRISING SUPERABRASIVE MATERIALS

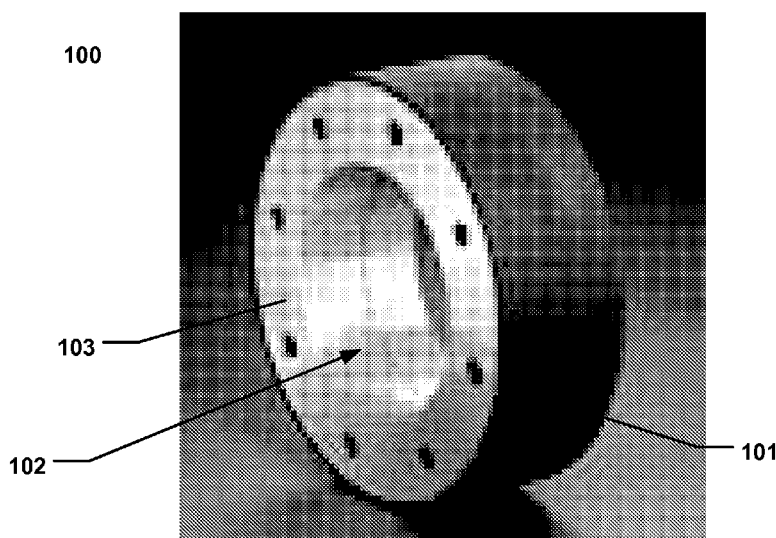


FIG. 1

(57) Abstract: A method of grinding a superabrasive workpiece includes placing a bonded abrasive article in contact with a superabrasive workpiece, wherein the bonded abrasive article comprises a body including abrasive grains contained within a bond material, and the superabrasive workpiece has an average Vickers hardness of at least about 1 GPa, and removing material from the superabrasive workpiece at an average specific grinding energy (SGE) of not greater than about 350 J/mm³, at an average material removal (MRR) rate of at least about 8 mm³/sec for a centerless grinding operation.



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