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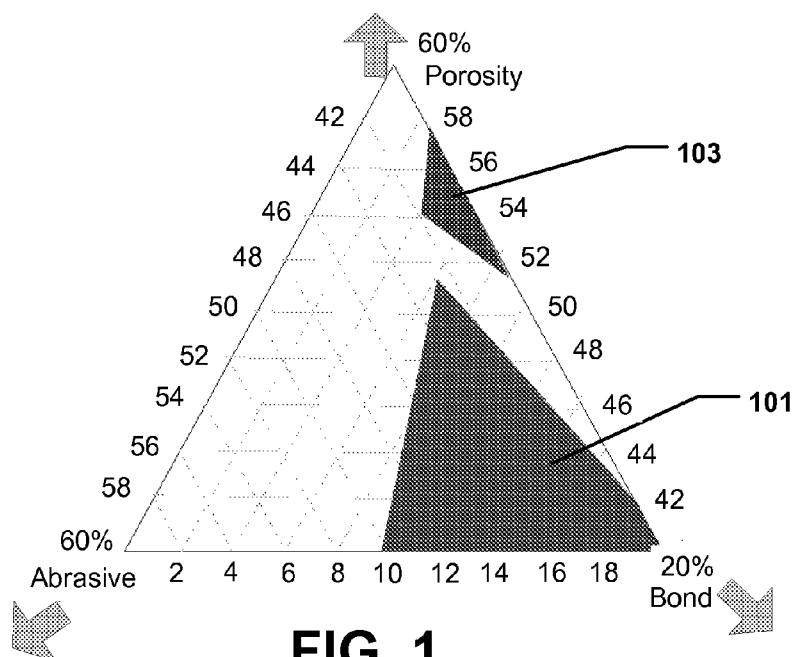
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[Continued on next page]

(54) Title: ABRASIVE ARTICLE FOR HIGH-SPEED GRINDING OPERATIONS



(57) **Abstract**: An abrasive article can include a bonded abrasive body having abrasive particles comprising microcrystalline alumina (MCA) contained within a bond material. In an embodiment, the bonded abrasive body has a porosity of at least about 42 vol% of the total volume of the bonded abrasive body. Additionally, in an embodiment, the bonded abrasive body is capable of grinding a workpiece comprising metal at a speed of at least about 60 m/s at a material removal rate of at least about 0.4 in³/min/in (258 mm³/min/mm).



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).

— with information concerning authorization of rectification of an obvious mistake under Rule 91.3 (b) (Rule 48.2(i))

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