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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: ABRASIVE ARTICLES AND METHOD OF FORMING SAME

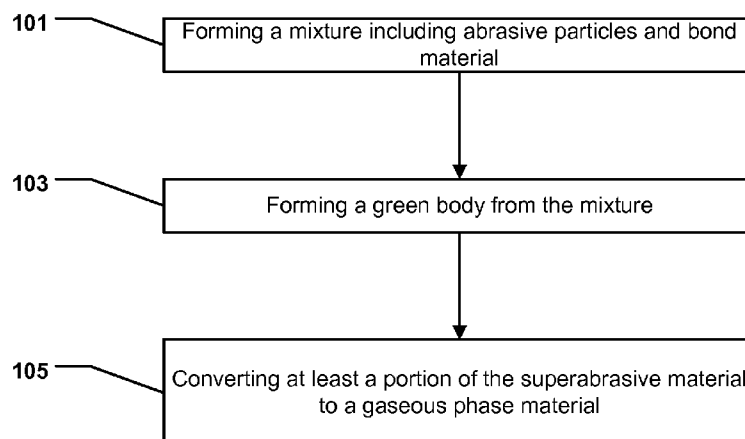


FIG. 1

(57) Abstract: An abrasive article including a bonded abrasive body having a bond material made of a vitrified material, abrasive particles comprising a first type of superabrasive material contained in the bond material, a porosity of at least about 50 vol% of the total volume of the bonded abrasive body, and a Δ CTE of not greater than about 5.5 ppm/ $^{\circ}$ C, wherein Δ CTE is defined as a difference between a CTE of the bond material and a CTE of the abrasive particles.





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