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#### AUXILIARY REQUEST EB2

1. A coated abrasive article (500) comprising a plurality of shaped abrasive particles (300, 505) overlying a backing (501), characterized in that each of the shaped abrasive particles (300, 505) of the plurality of shaped abrasive particles (300, 505) includes a body (301) consisting essentially of a polycrystalline material, the shaped abrasive particles consisting essentially of alpha alumina crystallites having an average crystallite size within a range including at least 0.5 microns and not greater than 1 micron, the coated abrasive article having a plain-carbon steel lifespan grinding efficiency of not greater than  $8.08 \text{ J/mm}^3$  ( $3.0 \text{ hp min/in}^3$ ) per  $236 \text{ g/mm}$  ( $6000 \text{ g/in}$ ) of initial material removed.
2. The coated abrasive article (500) of claim 1, wherein the coated abrasive article comprises a plain-carbon steel G-ratio (MR/MW) of at least 90 for a plain-carbon steel grinding lifespan of at least  $236 \text{ g/mm}$  ( $6000 \text{ g/in}$ ).
3. The coated abrasive article (500) of claim 1, wherein each shaped abrasive particle (300, 505) of the plurality of shaped abrasive particles (300, 505) comprises a body having a length (l), a width (w), and a height (h), wherein the width  $\geq$  length, the length  $\geq$  height, and the width  $\geq$  height.
4. The coated abrasive article (500) of claim 3, wherein the body (301) comprises a percent flashing of between 1% and 40%.
5. The coated abrasive article (500) of claim 3, wherein the body (301) comprises a two-dimensional polygonal shape as viewed in a plane defined by a length and a width of the body, wherein the body (301) comprises a shape selected from the group consisting of triangular, quadrilateral, rectangular, trapezoidal, pentagonal, hexagonal, heptagonal, octagonal, and a combination thereof.
6. The coated abrasive article (500) of claim 3, wherein the body (301) is essentially free of an organic material.
7. The coated abrasive article (500) of claim 3, wherein the body (301) comprises an additive comprising a rare-earth element.
8. The coated abrasive article of claim 1, wherein the plurality of shaped abrasive particles (300, 505) define a first portion of a batch of abrasive particles.