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A BRAZED DIAMOND CUTTING AND ABRASIVE TOOL



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MEGA-TREND

- **Factory of the Future: SMART and GREEN**

TECHNOLOGY READINESS LEVEL (TRL)

- **TRL 3**

PATENT/ GRANTED NUMBER

- **MY-168628-A**

▶ TECHNOLOGY OVERVIEW

The present invention relates to a brazed diamond tool comprising a plurality of layers, characterized by: a plurality of diamond particles coated with a transition metal; at least two porous metal foam layers sandwiching the plurality of diamond particles; a filler alloy layered on the porous metal foam layer; a metal substrate layered on the filler alloy; and said plurality of layers being heated under vacuum to form the brazed diamond tool. Disclosed herein also is a method of producing said brazed diamond tool.

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