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Walz et al.

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(54) **METHOD OF TREATING CERAMICS FOR USE AS TIPS IN SAWS AND OTHER TOOLS OR OTHER STRUCTURES**

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(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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- (52) U.S. Cl. **428/122**; 228/121; 228/124; 228/122.1
- (58) Field of Search 228/121, 122, 228/124, 122.1

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(57) **ABSTRACT**

A method of processing a ceramic body, such as a saw tip so that the ceramic body can be bonded to a substrate, such as a saw blade. The ceramic body is desirably a cermet, and it is first cleaned, preferably using sodium hydroxide. After this, the ceramic body is etched by an acid, after which a metallic coating is applied to the bonding surface either by electrolysis by an electroless process. Then the ceramic body is either brazed or welded to the substrate.

28 Claims, 1 Drawing Sheet

