

Title (en)
ROTARY DIAMOND DRESSER

Title (de)
ROTATIONS DIAMANTABRICHTUNGSWERKZEUG

Title (fr)
MEULE DIAMANT ROTATIVE

Publication
EP 1779973 A1 20070502 (EN)

Application
EP 05770599 A 20050805

Priority
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Abstract (en)
The present invention provides a rotary diamond dresser 10, with a V-groove 14 circumferentially formed around a heavily abraded high load part 13 of the circumference of a circular dressing body 11. A plurality of octahedral diamond grains 15 are sequentially set along the V-groove 14 of the circular dressing body such that the oriented crystal surfaces (1,1,1) of each diamond grain 15 are bonded to the respective surfaces of the V-groove 14. A plurality of small-sized diamond grains 20, other than the octahedral diamond grains, are secured to the surface of the circumference of the dressing body, other than the high load part. The oriented crystal surfaces (1,1,0) of the octahedral diamond grains and the small-sized diamond grains are formed to make respective contact surfaces 19 and 21 that contact and dress a grinding wheel. Thus, the present invention provides a rotary diamond dresser, which is easily produced, has excellent abrasion resistance, and is low-priced.

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