

Title (en)  
Abrasive tool

Title (de)  
Schleifwerkzeug

Title (fr)  
Outil abrasif

Publication  
**EP 1122030 A2 20010808 (EN)**

Application  
**EP 01101689 A 20010130**

Priority  
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Abstract (en)  
In the electrodeposited abrasive wheel 20 of the abrasive tool according to the present invention, plural mound parts 21, which are upheaved at the central domain of base metal 19 in almost columnar shape, are arranged mostly in the shape of lattice. <??>An abrasive grain layer 22 is formed on a base metal 19, and plural ultra abrasive grains 14 are adhered only to each mound parts 21 by electrodeposited metal phase 25, and referred as the small abrasive-grain-layer parts 24, respectively. <??>Ultra abrasive grains are laid out at corner R part 21a and top 21b of the mound parts 21 at the small abrasive-grain-layer parts 24. <??>Ultra abrasive grains at each small abrasive-grain-layer parts are set as 11-500 pieces, and the rate which ultra abrasive grains occupy to the whole area of abrasive grain layer accounted by plane projection is set as 20% - 80% of the range. <??>At the time of grinding, only ultra abrasive grains contact to grinding work piece, then high abutment pressure is maintained, and sharpness and the discharge performance of ground wastes are good. <IMAGE>

IPC 1-7  
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IPC 8 full level  
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