

Title (en)
SUPER HARD ALLOY BASEPLATE OUTER CIRCUMFERENCE CUTTING BLADE AND MANUFACTURING METHOD THEREOF

Title (de)
AUSSENUMFANGSSCHNEIDEKLINGE FÜR EINE BODENPLATTE AUS EINER SUPERHARTEN LEGIERUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
LAME DE COUPE À CIRCONFÉRENCE EXTERNE À PLAQUE DE BASE EN ALLIAGE SUPER-DUR ET SON PROCÉDÉ DE FABRICATION

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Abstract (en)
The disclosed cemented carbide base outer blade cutting wheel comprises a base in the form of an annular thin disc of cemented carbide, and a blade section on the outer periphery of the base. The blade section contains: diamond and/or CBN abrasive grains pre-coated with a magnetic material; a metal or alloy bond formed by electroplating or electroless plating for bonding abrasive grains together and to the base; a resin infiltrated between abrasive grains and between abrasive grains and the base, said resin being a thermoplastic resin having a melting point of up to 350°C or a thermoset resin obtained by curing a liquid thermosetting resin composition having a curing temperature of up to 350°C. The method for manufacturing said outer blade cutting wheel is also disclosed.

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