

ABSTRACT

SUPER HARD ALLOY BASEPLATE OUTER CIRCUMFERENCE CUTTING BLADE AND
MANUFACTURING METHOD THEREOF

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.