

Title (en)
CUTTING TOOLS WITH TWO-SLOPE PROFILE

Title (de)
SCHNEIDWERKZEUG MIT DOPPELT GENEIGTEM PROFIL

Title (fr)
OUTILS DE COUPE A DOUBLE PROFIL D'INCLINAISON

Publication
EP 1527251 B1 20080123 (EN)

Application
EP 03764305 A 20030612

Priority

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- US 39518202 P 20020710

Abstract (en)
[origin: WO2004007901A1] An abrasive tool insert with diminished residual stresses. In one embodiment, the tool insert is formed from a substrate (312) having an inner face (316) that has a center (318), and annular face which annular face (320) has a periphery (322), with the inner face slopes outwardly and downwardly from the center. In another embodiment, the tool insert is form from a substrate (10) with a support face with an inner support face/table (12), and outer shoulder with a width (14), and a downwardly sloping interface (16) from the support table to the shoulder, which interface has a slope angle. A continuous abrasive layer (8), having a center having a height, a diameter, a periphery having a height, which abrasive layer being in contact with the inner face of the substrate and which periphery forms a cutting edge.

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Cited by
US9138872B2; US11111728B2; WO2017114678A1

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