Title (en)

METHOD OF GRINDING AN INDEXABLE INSERT AND GRINDING WHEEL FOR CARRYING OUT THE GRINDING METHOD

Title (de)

VERFAHREN ZUM SCHLEIFEN EINER WENDESCHNEIDPLATTE UND SCHLEIFSCHEIBE ZUR DURCHFÜHRUNG DES SCHLEIFVERFAHRENS

Title (fr)

PROCÉDÉ POUR MEULER UNE PLAQUE DE COUPE AMOVIBLE ET PLAQUE DE COUPE POUR METTRE EN UVRE LE PROCÉDÉ DE MEULAGE

Publication

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Application

EP 07787913 A 20070725

Priority

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Abstract (en)

[origin: US2010062690A1] In an indexable insert having wide sides, inclined narrow sides are to be ground, that is to say the grinding allowance 38 is to be removed. To this end, the indexable insert is set in rotation about a driven axis of rotation between a clamping insert and a thrust bolt. Serving for the grinding is a grinding wheel which rotates about rotation axis and which has a circumferential surface 18a contoured in a circular shape and having a largest diameter and is composed of a leading region and a trailing region. The grinding wheel is guided relative to the indexable insert along the geometrical defining line which is formed by the generating line of the finished narrow side in the feed direction. The leading region tapering forwards effects preliminary grinding of the narrow side by longitudinal grinding, whereas the trailing region effects finish grinding by linear contact with the narrow side. The grinding wheel is held with the clamping flanges on a grinding spindle. The grinding operation is effected with controlled movement of the driven axis of rotation, a first displacement axis, a second displacement axis and a pivoting movement of the grinding wheel relative to the indexable insert according to double arrow.

IPC 8 full level

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CPC (source: EP KR US)

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