

Title (en)

CERAMIC DRILL FOR HIGH-PERFORMANCE DRILLING OF CAST-IRON MATERIALS

Title (de)

KERAMIKBOHRER ZUM HOCHLEISTUNGSBOHREN VON EISEN-GUSSWERKSTOFFEN

Title (fr)

FORET EN CÉRAMIQUE POUR LE PERÇAGE À HAUTE PERFORMANCE DU FER ET DE LA FONTE

Publication

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Application

EP 12720072 A 20120410

Priority

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Abstract (en)

[origin: WO2012142641A1] The invention relates to a tool (1) for machining workpieces, in particular for drilling cast-iron materials, comprising a main body (2) of a first material and a cutting insert (3) of a second material, which has a greater hardness than the first material, wherein the cutting insert (3) is attached to the main body (2) by a material bond. In order to achieve high cutting speeds and long service lives, it is provided according to the invention that the cutting insert (3) has a v-shaped end (4) and the main body (2) has a region (5) corresponding thereto and that the cutting insert (3) is attached by the end (4) to the corresponding region (5) of the main body (2) by a material bond.

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Citation (search report)

See references of WO 2012142641A1

Citation (examination)

- DE 202005020931 U1 20061207 - MAPAL FAB PRAEZISION [DE]
- DE 10114882 A1 20021024 - BACH FRIEDRICH-WILHELM [DE], et al

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