Title (en)

MACHINING TOOL WITH ADJUSTABLY FIXED CUTTING INSERT

Title (de)

ZERSPANUNGSWERKZEUG MIT EINSTELLBAR FIXIERTEM SCHNEIDEINSATZ

Title (fr)

OUTIL D'USINAGE PAR ENLÈVEMENT DE COPEAUX AVEC UN INSERT DE COUPE FIXÉ DE MANIÈRE AJUSTABLE.

Publication

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Application

EP 20719418 A 20200415

Priority

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Abstract (en)

[origin: WO2020212412A1] The invention relates to a cutting tool, in particular a rotatable tool, comprising a tool support body (26) which has an axis (12) and which forms at least one plate seat (40) either directly or in a cartridge in order to receive a cutting plate (30). By means of a head screw (60), which passes through the cutting plate, the base of the cutting plate can be pressed against a base support surface (44), and two plate edges (54, 56), which form an angle (WP) with each other, can be pressed against a respective corresponding edge support surface (70, 72) of the plate seat (40). The aim of the invention is to maintain production dimensions with a low degree of tolerance and to protect the tool from excessive wear to a sufficient degree even when cutting plates are mounted in a very compact space. This is achieved in that both edge support surfaces (70, 72) are made of support bodies (50, 52) which are movably guided in the tool support body and which can be driven by a corresponding adjustment device (50, 70, 74, 78, 80, 82 and 52,90, 92, 94) in order to finely adjust the cutting plate (30) in a radial and axial direction, respectively.

IPC 8 full level

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CPC (source: EP US)

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