

Title (en)
REVERSIBLE TIP CUTTER FOR ROTARY MILLING

Title (de)
WENDESCHNEIDEPLATTE ZUM DREHSCHÄLEN

Title (fr)
PLAQUETTE AMOVIBLE POUR ECROUTAGE

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Application
EP 06704746 A 20060313

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Abstract (en)
[origin: WO2006099640A1] The invention relates to a tip cutter for rotary milling comprising a polygonal form when viewed from above. Said cutter comprises at least one primary cutting edge and a secondary cutting edge that is situated at an obtuse angle to the latter. The aim of the invention is to achieve an increased machining performance without causing chatter marks on the round bar that is being machined and a quiet milling operation. To achieve this, the invention discloses tip cutters (1) with a polygonal form when viewed from above, comprising at least one primary cutting edge (2) and a secondary cutting edge (3) that is situated at an obtuse angle to the latter. The connecting region (4) between the primary cutting edge (2) and the secondary cutting edge (3) is rounded, with the proviso that the local radius of curvature (R4) of the rounded section is greater than 15 mm, but less than 35 mm.

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Citation (search report)
See references of WO 2006099640A1

Cited by
CN104708034A; EP4331748A1

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