

Title (en)

CUTTING DEVICE FOR A MINING MACHINE

Title (de)

SCHNEIDVORRICHTUNG FÜR EINE BERGBAUMASCHINE

Title (fr)

DISPOSITIF DE COUPE POUR UNE MACHINE D'EXTRACTION MINIÈRE

Publication

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Application

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Abstract (en)

[origin: CA2761529A1] The invention relates to a cutting device for a mining machine, in particular a shearer. Said machine comprises a tool carrier, in particular a shearer drum that is rotatably mounted about a rotational axis and at least one cutting tool (1) that is fixed to the tool carrier. The cutting tool (1) comprises a tool base body (3) and a cutting insert (1) that consists of a diamond composite material, or a harder material, and is fixed in a receiving bore (6) of said body. The cutting tool is oriented on the tool carrier at an incident cutting angle (β) of 45 - 58°, preferably 47 - 54° and especially preferably 49°. The tip (2) of the cutting insert (1) is substantially conical and the nose angle (α) is 60 - 75°.

IPC 8 full level

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CPC (source: EP US)

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