

Title (en)
HARD METAL INSERT AND ROCK DRILL

Title (de)
HARTMETALLEINSATZ UND GESTEINSBOHRER

Title (fr)
INSERT EN MÉTAL DUR ET FORET À ROCHE

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Application
EP 16790598 A 20161102

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Abstract (en)
[origin: WO2017076875A1] The invention relates to a hard metal insert (2) for a rock drill (1), which is designed as a spiral drill operating without percussion, comprising a cylindrical drill head (11) and a working end (13) comprising the hard metal insert (2). The hard metal insert (2) comprises two main cutting edges (22) arranged radially opposite one another with respect to a drilling axis of rotation (d) and at an angle to each other to form a centring tip (21), which can each be assigned a peripheral conveying helix (14). In order to realise a drill hole in an easier and simpler manner and without risk of damage, in a workpiece made of rock, glass or similar, it is proposed that the main cutting edges (22) are formed asymmetrically to one another, wherein at least one of the main cutting edges (22) defines a tip (23) projecting in the drilling direction (b) over the radial course of same in a middle region spaced apart from the radial ends thereof.

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