

Title (en)
WELLBORE REAMING TOOL

Title (de)
BOHRWERKZEUG

Title (fr)
OUTIL DE FORAGE

Publication
EP 3135854 B1 20211229 (EN)

Application
EP 15460053 A 20150824

Priority
EP 15460053 A 20150824

Abstract (en)
[origin: EP3135854A1] The invention relates to a drilling tool (1) for maintaining a borehole and for cutting rock material, comprising a hollow elongated body (2) in a form of a pipe, provided with a plurality of cutting blades (3) arranged around the body (2) in such a way that they protrude from the external surface of the body (2). The tool is characterised in that the cutting blades (3) are shaped as bands (4), the ends of which are connected to the body (2), and the central part of the cutting blades (3) between the ends protrudes from the body (2), wherein the cutting blades (3) are grouped into sets (5) arranged on the periphery of the body and placed one above the other, and angularly offset relative to each other; each cutting blade (3) in the set (5) is remote from the axis of the body (2) of the drilling tool (1) by a dimension larger than the dimension of the distance from the axis of the body (2) of the cutting blade (3) located directly under it; the body (2) is provided with slots (6) connecting the interior of the body (2) to its external surface and arranged radially under the cutting blades (3), and not connected to the cutting blades (3); under the sets of the cutting blades (4), there is a lateral channel (11) through which the drilling fluid along with the cut rock material flow.

IPC 8 full level
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