

Title (en)
TOOL AND METHOD FOR PRODUCING A THREADED HOLE, THE TOOL HAVING CHIP DIVIDERS

Title (de)
WERKZEUG UND VERFAHREN ZUM ERZEUGEN EINES GEWINDELOCHS MIT SPANTEILERN

Title (fr)
OUTIL ET PROCÉDÉ PERMETTANT DE PRODUIRE UN TROU FILETÉ AVEC DES BRISE-COPEAUX

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Application
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Abstract (en)
[origin: WO2020160793A1] The invention relates to a tool (2) for producing a threaded hole (5), wherein: a) in a working motion, the tool (2) can be rotated in a rotational motion with a specified direction of rotation about a tool axis (A) running through the tool (2) and at the same time can be moved axially with respect to the tool axis (A) in an axial forward direction; b) the tool (2) comprises at least one screw-thread-producing region (4) and at least one drilling region (3), which are rigidly coupled to one another with respect to motion; c) the drilling region (3) is provided for producing a core hole and is arranged at an offset to the screw-thread-producing region (4) axially with respect to the tool axis (A) and/or is arranged in a region of the tool (2) lying further ahead in the forward direction, in particular at a front or free end, relative to the screw-thread-producing region (4); d) the screw-thread-producing region (4) protrudes further outward radially with respect to the tool axis (A) than the drilling region (3); e) the screw-thread-producing region (4) runs along a helical line or screw thread helix with a specified screw thread pitch angle and with a specified turn direction of the screw thread to be produced and has an effective profile corresponding to the screw thread profile of the screw thread to be produced; f) the drilling region (3) has at least one drilling cutting edge (31, 32); g) at least one chip divider (11, 12) being arranged on the drilling cutting edge (31, 32), the chip divider forming an interruption of the drilling cutting edge (31, 32).

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