

Title (en)
DRILLING CROWN

Title (de)
BOHRKRONE

Title (fr)
COURONNE DE FORAGE

Publication
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Application
EP 16787756 A 20161010

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Abstract (en)
[origin: WO2018068818A1] The invention relates to a drilling crown (11) for the drilling, more particularly the rotary-percussive drilling, of a hole, more particularly of a tap hole of a melting furnace. The drilling crown (11) has a drilling head (10) comprising at least one hard material insert (16) and a base part (12) for connecting to a drive element, wherein the hard material insert (16) is inserted into a receptacle formed in an axial end face (13) of the drill head (10) such that the hard material insert (16) protrudes, at least by a head cutting edge (18), beyond the axial end face (13), the receptacle having a flank portion and a mating flank portion opposed to the flank portion, between which the hard material insert (16) is arranged. The flank portion, opposed to a cutaway formed in the hard material insert (16), is provided with a material connecting portion (35) formed at least in part from a welding material, integrally connected to the drilling head (10) via the welding material and projecting into the cutaway in order to form an interlocking connection with the hard material insert (16).

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