

Title (en)

PROTECTIVE CAP AND ROTOR FOR A COMMINUTION MACHINE FOR METAL PARTS AND ROCK MATERIAL EQUIPPED THEREWITH

Title (de)

SCHUTZKAPPE UND DAMIT AUSGESTATTETER ROTOR FÜR EINE MASCHINE ZUR ZERKLEINERUNG VON METALLGEGENSTÄNDEN ODER GESTEINSMATERIALIEN

Title (fr)

CAPUCHON PROTECTEUR ET ROTOR POUR UN DISPOSITIF DE BROYAGE POUR PIÈCES MÉTALLIQUES ET MATIÈRES DE PIERRE EN ÉTANT ÉQUIPÉ

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Application

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Abstract (en)

[origin: WO2020057744A1] The invention relates to a protective cap for a rotor for comminuting metal objects or rock materials, comprising a bearing section (2') with a bearing opening (8') into which a bearing axle can be inserted for securing purposes and comprising a rim section (3') that is supported by the bearing section (2') and has an end face (13') with an impact surface (14'), which is exposed to an impacting load during use, two longitudinal sides (9' 10') which are arranged at a distance to each other, said distance corresponding to the rim section (3') width (BF) that is measured parallel to the longitudinal axis (X) of the bearing opening (8'), and which project laterally beyond the bearing section (2'), and two narrow sides (11', 12'), at least one of which extends between the longitudinal sides (9', 10') at one of the narrow ends of the rim section (3'), wherein the narrow sides (11', 12') of the rim section (3') have a respective nominal thickness (DSN) in a new state. In order to provide such a protective cap for an assembly which adjoins a percussive hammer that oscillates during operation with a service life which is adapted to the normal wear cycle of the other protective caps (1') arranged on the rotor, a thickened section (15') which protrudes outwards is formed on the end face (13') of the rim section (3'), said thickened section adjoining one of the longitudinal sides (9', 10') and having a thickness (DVM) which is greater than the nominal thickness (DSN) of the rim section (3').

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