

Title (en)

STRIKING TOOL AND ROTOR FITTED WITH SAME FOR A MACHINE FOR CRUSHING METAL OBJECTS OR ROCKY MATERIALS

Title (de)

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

Title (fr)

OUTIL DE PERCUSSION ET ROTOR ÉQUIPÉ DE CELUI-CI DESTINÉ À UNE MACHINE POUR FRAGMENTER DES OBJETS MÉTALLIQUES OU DES MATÉRIAUX PIERREUX

Publication

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Application

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Abstract (en)

[origin: WO2019201436A1] The invention relates to a striking tool for the crushing of metal objects or rocky materials, produced from an iron-based material and comprising a bearing section (3) in which a bearing opening (4) is formed, said bearing opening being provided for the freely pendular mounting of the striking tool (1) on a metal shaft and having an inner circumferential surface (7) surrounding the bearing opening (4), a striking section (2) that is exposed to a striking impact during use via contact with the material to be crushed. The invention also relates to a rotor for a machine for crushing metal objects or rocky materials, comprising at least one metal shaft on which at least one formed striking tool (1) is mounted via its bearing opening (4), wherein there is metallic frictional contact between the outer circumferential surface of the shaft and the inner circumferential surface (7) of the bearing opening (4) of the striking tool (1). The striking tool according to the invention permits the risk of excessive wear to be easily minimised in the region of its bearing opening, even at high impacts. In addition, the rotor according to the invention easily permits an optimal period of use of the striking tool pendularly mounted on same. This is achieved in that a recess (8a - 8n) is formed at least in a section of the inner circumferential surface (7) of the bearing opening (4), which is provided for receiving metal material of the striking tool (1) laterally adjacent to the recess (8a - 8n) and displaced during use.

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