

Title (en)

CUTTING HEAD FOR A MACHINERY SUITABLE FOR CARRYING OUT MACHINING BY CHIP REMOVAL ON MATERIALS

Title (de)

SCHNEIDKOPF FÜR EINE MASCHINE ZUR SPANABHEBENDEN BEARBEITUNG VON MATERIALIEN

Title (fr)

TÊTE DE COUPE POUR UNE MACHINE APTE À RÉALISER UN USINAGE PAR ENLÈVEMENT DE COPEAUX SUR DES MATÉRIAUX

Publication

EP 4082734 A1 20221102 (EN)

Application

EP 22170218 A 20220427

Priority

IT 202100010565 A 20210427

Abstract (en)

A cutting head (1) for machinery suitable for carrying out machining by chip removal on materials comprises a main body in which one or more housing cavities (10) are obtained, each suitable for housing a respective cutter (11) and a clamping block (12). The cutter (11) is clamped between the clamping block (12) and a reference wall (4) of said housing cavity (10) and they have a geometry such as to provide a mechanical interference fit. Elastic means are provided in the housing, comprising an elastically deformable sheet element (21) with a cantilevered support portion located underneath the cutter (11) so that when said cutter (11) is in working position abutting on the reference wall (4) the elastically deformable sheet element (21) is bent downwards and thus exerts an action tending to push said cutter (11) radially outwards, in order to facilitate its extraction from the housing cavity (10). Further constructive expedient measures further facilitate and speed up the cutter (11) replacement operations.

IPC 8 full level

B27G 13/04 (2006.01); **B27G 13/10** (2006.01); **B27G 13/12** (2006.01)

CPC (source: EP)

B27G 13/04 (2013.01); **B27G 13/10** (2013.01); **B27G 13/12** (2013.01)

Citation (applicant)

- EP 1574307 A2 20050914 - STARK SPA [IT]
- US 2017291322 A1 20171012 - SCHLOSSER ROBERT [AT], et al

Citation (search report)

- [XAYI] EP 3305489 A1 20180411 - OERTLI WERKZEUGE AG [CH]
- [YA] DE 1174045 B 19640716 - PAUL KIRSTEN DR ING
- [AD] US 2017291322 A1 20171012 - SCHLOSSER ROBERT [AT], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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