

Title (en)

HAMMER WITH A CUTTING ATTACHMENT AND A BASE BODY

Title (de)

SCHLEGEL MIT EINEM SCHNEIDEINSATZ UND EINEM GRUNDKÖRPER

Title (fr)

MAILLET COMPORTANT UNE GARNITURE DE COUPE ET UN CORPS DE BASE

Publication

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Application

**EP 11799625 A 20111007**

Priority

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Abstract (en)

[origin: CA2810733A1] The invention relates to a hammer, in particular for comminuting devices, comprising a rotor and/or at least one shaft on which the hammer (1) can be fixed. Said hammer consists of a base body (2) provided with a through hole (B) which is provided to join the hammer (1) to the rotor and/or the shaft, and a cutting attachment (3) which can be detachably/rigidly connected to said base body (2) by at least one positive fit connection (V) and can be detachably/rigidly connected by at least one connection means (4) which exerts a force (P) which connects the cutting attachment (3) to the base body (2) by means of a positive fit connection. The invention is characterised in that a force (P1) resulting from the force (P) guides the cutting attachment (3) into the base body (2) at an inclined angle (a) in relation to an axis (Y) of the hammer (1) and an axis of symmetry (A) by means of the connecting means (3) which is essentially parallel to the axis (Y).

IPC 8 full level

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Citation (opposition)

Opponent : Doppstadt Familienholding GmbH

- DE 3545708 A1 19870625 - DOPPSTADT WERNER
- DE 202007013269 U1 20090212 - DOPPSTADT FAMILIENHOLDING GMBH [DE]
- US 2534301 A 19501219 - SENNHOLTZ CHARLES E
- DE 19534033 A1 19970320 - UMWELTTECHNIKVERTRIEB SIEBERT [DE], et al
- DE 9415108 U1 19941103 - ECO UMWELTTECHNIK VERTRIEBS GM [DE]
- DE 102005023339 A1 20061130 - DOPPSTADT FERDINAND [DE]
- DE 29708025 U1 19970626 - KRONENBERGER ERNST JOSEF DIPL [DE], et al
- US 2007194161 A1 20070823 - DOPPSTADT JOHANN [DE], et al
- US 4871119 A 19891003 - MURATA HIROYUKI [JP], et al

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