Title (en)

PERCUSSION TOOL

Title (de)

SCHLAGWERKZEUG

Title (fr)

OUTIL À PERCUSSION

Publication

EP 2085190 A4 20110216 (EN)

Application

EP 07832324 A 20071121

Priority

- JP 2007072594 W 20071121
- JP 2006316087 A 20061122

Abstract (en)

[origin: EP2085190A1] An object of the invention is to improve the durability and machinability of a tool holder for holding a tool bit in an impact tool. The object is achieved by a representative impact tool that includes a tool holder. A tool bit is inserted into the bit holding hole and held to be movable in an axial direction. The tool holder has a bit holding region with a first holding region, a second holding region and a third holding region arranged in this order in the bit holding hole from the bit insertion opening toward the far side from the opening. The first holding region is provided as a region for holding the tool bit inserted into the bit holding hole. The second holding region is provided as a region to dispose a removal preventing member. The third holding region is provided as a region for holding an inserted end of the tool bit inserted into the bit holding hole. The hardness of the first holding region or the hardnesses of the first and third holding regions are higher than that of the second holding region.

IPC 8 full level

B25D 17/08 (2006.01)

CPC (source: EP)

B25D 17/088 (2013.01); B25D 2217/0042 (2013.01); B25D 2222/42 (2013.01)

Citation (search report)

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- [X] EP 0737550 A1 19961016 - HYUP SUNG HEAVY IND CO LTD [KR] & JP H08281570 A 19961029 - KYOSEI JUKOGYO KK
- [A] JP S62150077 U 19870922
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- [A] US 4332300 A 19820601 - SCARTON HENRY A, et al
- See also references of WO 2008062851A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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