

Title (en)
ROTARY HAMMER

Title (de)
BOHRHAMMER

Title (fr)
MARTEAU ROTATIF

Publication
EP 3812098 A1 20210428 (EN)

Application
EP 20202569 A 20201019

Priority
JP 2019192326 A 20191021

Abstract (en)
A rotary hammer (101) includes a spindle, a motor, a first intermediate shaft (41), a striking mechanism (6), a second intermediate shaft (42) and a rotation-transmitting mechanism (7). The motor has a motor shaft (25) extending in parallel to the spindle. The first intermediate shaft (41) extends in parallel to the spindle. The striking mechanism (6) is configured to perform a hammering operation. The second intermediate shaft (42) extends in parallel to the first intermediate shaft (41). The rotation-transmitting mechanism 7 is configured to perform a drilling operation. The first intermediate shaft (41) is configured to transmit power only for performing the hammering operation and not for the drilling operation. The second intermediate shaft (42) is configured to transmit power only for performing the drilling operation and not for the hammering operation.

IPC 8 full level
B25D 16/00 (2006.01)

CPC (source: CN EP)
B25D 16/006 (2013.01 - EP); **B25F 3/00** (2013.01 - CN); **B25F 5/00** (2013.01 - CN); **B25F 5/001** (2013.01 - CN); **B25D 2211/006** (2013.01 - EP); **B25D 2211/061** (2013.01 - EP); **B25D 2216/0015** (2013.01 - EP); **B25D 2216/0023** (2013.01 - EP); **B25D 2216/0038** (2013.01 - EP); **B25D 2250/245** (2013.01 - EP)

Citation (applicant)
• JP 2016000447 A 20160107 - MAKITA CORP
• EP 2700477 A1 20140226 - METABOWERKE GMBH [DE]

Citation (search report)
• [XYI] DE 3241863 A1 19840517 - LICENTIA GMBH [DE]
• [XY] BE 779394 A 19720530 - BELLINGHEN ANDRE J J J VAN
• [YA] EP 2883661 A1 20150617 - BLACK & DECKER INC [US]
• [Y] GB 2160810 A 19860102 - BOSCH GMBH ROBERT

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3812098 A1 20210428; CN 112757232 A 20210507; CN 112757232 B 20240116; JP 2021065959 A 20210430; JP 7360891 B2 20231013; RU 2020134131 A 20220419

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