

Title (en)  
HAMMER DRILL

Title (de)  
BOHRHAMMER

Title (fr)  
MARTEAU PERFORATEUR

Publication  
**EP 2960019 B1 20170301 (EN)**

Application  
**EP 15173303 A 20150623**

Priority  
KR 20140079809 A 20140627

Abstract (en)  
[origin: EP2960019A1] A hammer drill (1) includes a shaft (110) with a main clutch gear (120), the shaft (110) being rotatable by a driving force of a driving motor, and having a mode conversion among a hammer mode for hitting a bit (60) as a rotary motion of the shaft (110) is converted into a linear reciprocation, a drill mode for rotating the bit by rotation of the shaft (110), and a hammer drill mode for rotating and hitting the bit (60). A hammer moving gear (160) and a drill moving gear (130) are formed in the same shape. A drill side restoration spring (140) is installed between a drill driving unit (150) engaged with the drill moving gear (130), and the drill moving gear (130). And a hammer side restoration spring (170) is installed between a hammer driving unit (180) engaged with the hammer moving gear (160), and the hammer moving gear (160). With such a configuration, the gears (120, 130, 160) can be easily engaged with each other by restoration forces of the springs (140, 170).

IPC 8 full level  
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