

Title (en)  
Hammer drill

Title (de)  
Bohrhammer

Title (fr)  
Perceuse à percussion

Publication  
**EP 2116333 B1 20140813 (DE)**

Application  
**EP 09158888 A 20090428**

Priority  
DE 102008022454 A 20080508

Abstract (en)  
[origin: EP2116333A1] The drill (1) has a pressure piston (16) mounted in a tool spindle (5), and a retaining ring (23) axially supported at a side turned towards a riveting set (17) over a non-return disk (28) at a ring stage (30) of the spindle. The retaining ring is axially supported at a side turned towards a hammering body over a retaining disk (29) at a locking ring (31). The locking ring is inserted in an annular groove (32) formed at the spindle. The retaining ring, the retaining disk and the non-return disk are mirror-symmetrical with respect to a center plane running perpendicular to a spindle axis (9).

IPC 8 full level  
**B25D 17/06** (2006.01); **B25D 11/00** (2006.01); **B25D 11/12** (2006.01); **B25D 17/24** (2006.01)

CPC (source: EP US)  
**B25D 11/005** (2013.01 - EP US); **B25D 11/125** (2013.01 - EP US); **B25D 17/06** (2013.01 - EP US); **B25D 17/24** (2013.01 - EP US); **B25D 2211/003** (2013.01 - EP US); **B25D 2216/0023** (2013.01 - EP US); **B25D 2222/21** (2013.01 - EP US); **B25D 2222/57** (2013.01 - EP US); **B25D 2250/065** (2013.01 - EP US); **B25D 2250/191** (2013.01 - EP US)

Cited by  
WO2012084316A1

Designated contracting state (EPC)  
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 SE SI SK TR

DOCDB simple family (publication)  
**EP 2116333 A1 20091111**; **EP 2116333 B1 20140813**; CN 101574803 A 20091111; CN 101574803 B 20131127; DE 102008022454 A1 20091112; DE 102008022454 B4 20140626; US 2009277659 A1 20091112

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