

Title (en)
PERCUSSION HAMMER AND/OR DRILL HAMMER COMPRISING A SAFETY COUPLING

Title (de)
SCHLAG- UND/ODER BOHRHAMMER MIT SICHERHEITSKUPPLUNG

Title (fr)
MARTEAU DE PERCUSSION ET/OU DE PERFORATION A ACCOUPLEMENT DE SECURITE

Publication
EP 1765556 B1 20080702 (DE)

Application
EP 05758900 A 20050713

Priority
• EP 2005007637 W 20050713
• DE 102004034268 A 20040715

Abstract (en)
[origin: WO2006008053A1] Disclosed is a safety coupling in a percussion hammer and/or drill hammer, comprising a basic sleeve (20), a driven toothed wheel (21) that is rotatably mounted on the basic sleeve (20) and can be driven by a drive unit, a closing ring (27) which is fastened to the basic sleeve (20), and a locking ring (28) located between the driven toothed wheel (21) and the closing ring (27). Said locking ring (28) is fixed in a torsion-proof manner relative to the closing ring (27) while being movable relative to the closing ring (27) in an axial direction, counter to the effect of a spring mechanism (29). The locking ring (28) is axially displaced while the driven toothed wheel (21) remains in the axial position thereof when a threshold torque is exceeded.

IPC 8 full level
B25F 5/00 (2006.01); **B25B 23/14** (2006.01); **B25D 17/00** (2006.01)

CPC (source: EP US)
B25D 17/00 (2013.01 - EP US); **B25D 2250/205** (2013.01 - EP US); **B25D 2250/301** (2013.01 - EP US)

Designated contracting state (EPC)
CH DE ES IT LI SE

DOCDB simple family (publication)
DE 102004034268 B3 20051229; CN 100515692 C 20090722; CN 1997489 A 20070711; DE 502005004581 D1 20080814;
EP 1765556 A1 20070328; EP 1765556 B1 20080702; ES 2306173 T3 20081101; JP 2008506539 A 20080306; US 2008302548 A1 20081211;
WO 2006008053 A1 20060126

DOCDB simple family (application)
DE 102004034268 A 20040715; CN 200580023125 A 20050713; DE 502005004581 T 20050713; EP 05758900 A 20050713;
EP 2005007637 W 20050713; ES 05758900 T 20050713; JP 2007520756 A 20050713; US 57212205 A 20050713