

Title (en)  
STRIKING MECHANISM WITH A VARIABLE ROTATORY DRIVE

Title (de)  
SCHLAGWERK MIT VARIABLEM ROTATORISCHEM ANTRIEB

Title (fr)  
MÉCANISME DE FRAPPE AVEC ENTRAÎNEMENT ROTATIF VARIABLE

Publication  
**EP 2310171 B1 20140312 (DE)**

Application  
**EP 09777496 A 20090728**

Priority

- EP 2009005468 W 20090728
- DE 102008035298 A 20080729

Abstract (en)  
[origin: WO2010012453A1] A percussion mechanism has a motor (1), a drive piston (7) which can be moved to and fro in a guide cylinder (8) by the motor, and a percussion piston (9). A coupling device (5, 6) is active between the drive piston (7) and the percussion piston (9), via which coupling device (5, 6) the movement of the drive piston (7) is transmitted to the percussion piston (9). The motor (1) can be configured as a reluctance motor or as a synchronous motor. The motor can be actuable in such a way that different rotational speeds of the rotor can be generated within a percussion cycle and/or from percussion cycle to percussion cycle.

IPC 8 full level  
**B25D 11/00** (2006.01); **B25D 11/12** (2006.01); **B25D 13/00** (2006.01)

CPC (source: EP US)  
**B25D 11/005** (2013.01 - EP US); **B25D 11/064** (2013.01 - EP US); **B25D 11/125** (2013.01 - EP US); **B25D 2211/003** (2013.01 - EP US); **B25D 2250/021** (2013.01 - EP US); **B25D 2250/221** (2013.01 - EP US); **B25D 2250/281** (2013.01 - EP US)

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 SM TR

DOCDB simple family (publication)  
**DE 102008035298 A1 20100204**; CN 102105271 A 20110622; CN 102105271 B 20131120; EP 2310171 A1 20110420; EP 2310171 B1 20140312; US 2011127055 A1 20110602; US 8534376 B2 20130917; WO 2010012453 A1 20100204

DOCDB simple family (application)  
**DE 102008035298 A 20080729**; CN 200980130633 A 20090728; EP 09777496 A 20090728; EP 2009005468 W 20090728; US 200913056148 A 20090728