

Title (en)  
Hand tool with a slip clutch

Title (de)  
Handwerkzeugmaschine mit Rutschkupplung

Title (fr)  
Machine-outil manuelle dotée d'un dispositif d'accouplement à patinage

Publication  
**EP 1862265 A3 20130102 (DE)**

Application  
**EP 07108136 A 20070514**

Priority  
DE 102006000252 A 20060530

Abstract (en)  
[origin: EP1862265A2] The tool (4) has a drive sleeve (11) connected and positively driven with a control sleeve (14) by a ball (18) in a form-fit manner, where the control sleeve is coaxial to the drive sleeve. The ball is partly engaged in two oppositely arranged control contours (19a, 19b) of the drive sleeve and the control sleeve. The drive sleeve is axially displaced and twisted towards the control sleeve and is axially pre-stressed by a spring (13) during exceedance of marginal torsional moment.

IPC 8 full level  
**B25D 16/00** (2006.01)

CPC (source: EP US)  
**B25B 21/02** (2013.01 - EP US); **B25B 21/026** (2013.01 - EP US); **B25D 16/003** (2013.01 - EP US); **B25D 2211/003** (2013.01 - EP US); **B25D 2211/068** (2013.01 - EP US); **B25D 2216/0023** (2013.01 - EP US); **B25D 2217/0019** (2013.01 - EP US); **B25D 2250/045** (2013.01 - EP US); **B25D 2250/165** (2013.01 - EP US); **B25D 2250/321** (2013.01 - EP US)

Citation (search report)

- [A] DE 4304899 A1 19940818 - HITACHI KOKI KK [JP]
- [A] US 2006024141 A1 20060202 - SCHAD HANSPETER [CH]
- [A] DE 19505068 A1 19950907 - HITACHI KOKI KK [JP]
- [A] DE 102004047470 A1 20060406 - BOSCH GMBH ROBERT [DE]

Cited by  
DE102010062014B3; WO2009109246A1; EP2457694A2; US8950508B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1862265 A2 20071205; EP 1862265 A3 20130102**; DE 102006000252 A1 20071206; US 2007289759 A1 20071220; US 7861797 B2 20110104

DOCDB simple family (application)  
**EP 07108136 A 20070514**; DE 102006000252 A 20060530; US 80767707 A 20070529