

Title (en)  
PORTABLE POWER TOOL WITH PROTECTIVE COVER

Title (de)  
HANDWERKZEUGMASCHINE MIT SCHUTZHAUBE

Title (fr)  
MACHINE-OUTIL PORTATIVE A CAPUCHON PROTECTEUR

Publication  
**EP 1663575 A1 20060607 (DE)**

Application  
**EP 04762465 A 20040722**

Priority  
• DE 2004001615 W 20040722  
• DE 10343060 A 20030916

Abstract (en)  
[origin: DE10343060A1] A protective cowl (43) for a hand power tool, e.g. for an angle grinder is fitted around the output drive shaft (16) via a ratchet collar (45) which has a number of ratchet grip holes (48). A ratchet lever (30) is fitted to the motor housing to pivot about an axis orthogonal to the drive shaft and spring loaded (36) to press ratchet grips (32) into the ratchet collar. The user releases the ratchet grip simply by finger pressure on the tab end (38) of the ratchet lever. This enable the user to adjust the cowl setting without releasing grip on the tool. The ratchet lever is secured to the housing by one of the screw fasteners (18) which secure the end housing of the angle grinder.

IPC 1-7  
**B24B 23/02**; **B24B 55/05**

IPC 8 full level  
**B24B 23/02** (2006.01); **B24B 55/05** (2006.01)

CPC (source: EP US)  
**B24B 23/02** (2013.01 - EP US); **B24B 55/052** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005035190A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**DE 10343060 A1 20050407**; CN 100515677 C 20090722; CN 1852785 A 20061025; DE 502004005855 D1 20080214; EP 1663575 A1 20060607; EP 1663575 B1 20080102; US 2005215186 A1 20050929; US 7063606 B2 20060620; WO 2005035190 A1 20050421

DOCDB simple family (application)  
**DE 10343060 A 20030916**; CN 200480026778 A 20040722; DE 2004001615 W 20040722; DE 502004005855 T 20040722; EP 04762465 A 20040722; US 52297504 A 20040722