



(11) **EP 2 233 237 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
02.11.2011 Bulletin 2011/44

(51) Int Cl.:
B23D 59/00 ^(2006.01) **B27B 5/16** ^(2006.01)

(43) Date of publication A2:
29.09.2010 Bulletin 2010/39

(21) Application number: **10157334.3**

(22) Date of filing: **23.03.2010**

(84) Designated Contracting States:
**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**
Designated Extension States:
AL BA ME RS

(30) Priority: **25.03.2009 JP 2009074751**

(71) Applicant: **Makita Corporation**
Anjo-shi, Aichi 446-8502 (JP)

(72) Inventor: **Inai, Masahiko**
Anjo-shi,
Akita 446-8502 (JP)

(74) Representative: **Kramer - Barske - Schmidtchen**
Landsberger Strasse 300
80687 München (DE)

(54) **Mitre Circular Saw With Upper Table**

(57) A mitre circular saw (1) with an upper table (36) comprises: a base (10) for placing a workpiece; a main body (30) having a saw blade (34) and vertically movable relative to the base (10); a safety cover (31A, 31B) rotatably movable for shielding or exposing the saw blade (34) by an upward and downward movements of the main body (30); a blade edge plate (14A, 14B) for defining a slit (15) where the saw blade (34) enters when the main body (30) is lowered; and an upper table (36) disposed

above the main body (30) along which a workpiece is slidable. An inlet for chips (18) is formed in the upper surface of the base (10) forwardly of and partitioned from the slit (15), and chips generated by cutting the workpiece on the upper table (36) at the predetermined lowered position of the main body (30) are guided to pass through an interior of the safety cover (31A, 31B) in the open position and to flow toward the inlet for chips (18).

EP 2 233 237 A3



EUROPEAN SEARCH REPORT

Application Number
EP 10 15 7334

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 813 400 A2 (BLACK & DECKER INC [US]) 1 August 2007 (2007-08-01) * paragraph [0013]; figures 1,2 *	1-13	INV. B23D59/00 B27B5/16
A,D	JP 2005 169742 A (MAKITA CORP) 30 June 2005 (2005-06-30) * the whole document *	1-13	
A	DE 20 2004 019137 U1 (METABOWERKE GMBH [DE]) 4 May 2005 (2005-05-04) * paragraph [0039]; figure 2 *	1-13	
			TECHNICAL FIELDS SEARCHED (IPC)
			B23D B27B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 29 September 2011	Examiner Popma, Ronald
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

2
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 10 15 7334

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-09-2011

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1813400	A2	01-08-2007	AT 453479 T	15-01-2010
			AT 460262 T	15-03-2010
			AT 461797 T	15-04-2010
			AU 2007200238 A1	16-08-2007
			CN 101011759 A	08-08-2007
			CN 101422829 A	06-05-2009
			CN 101422830 A	06-05-2009
			CN 101422831 A	06-05-2009
			CN 101422832 A	06-05-2009
			EP 1946871 A2	23-07-2008
			EP 1930139 A1	11-06-2008
			EP 1932641 A2	18-06-2008
			EP 1944142 A1	16-07-2008
			EP 2085196 A2	05-08-2009
			US 2007221026 A1	27-09-2007

JP 2005169742	A	30-06-2005	NONE	

DE 202004019137	U1	04-05-2005	ES 1059639 U	16-05-2005
