(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 1 584 412 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
07.06.2006 Bulletin 2006/23

(43) Date of publication A2:
12.10.2005 Bulletin 2005/41

(21) Application number: **05007263.6**

(22) Date of filing: **04.04.2005**

(51) Int Cl.:
B24B 23/03 *(2006.01)*

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR LV MK YU

(30) Priority: **06.04.2004 US 819248**
30.08.2004 US 929195

(71) Applicant: **Black & Decker Inc.**
Newark, Delaware 19711 (US)

(72) Inventors:
- **Cooper, Vincent P.**
  Baltimore
  MD 21209 (US)
- **Van Wambeke, Weston J.**
  Timonium
  MD 21093 (US)

(74) Representative: **Clark, Charles Robert et al**
Black & Decker
Patent Department
210 Bath Road
Slough,
Berkshire SL1 3YD (GB)

(54) Sander with vertical handle

(57) An orbital sander (10) having a housing defining an axis (13). A motor (14) and output with a sanding element are aligned on said axis (13). The housing (12) includes a power source (28) as well as an activating member (30) to energize and de-energize the sander (10). A handle (26) is spaced from the housing (12) and is substantially parallel to the axis (13). Further, additional gripping members (22,24) may be positioned on the housing (12) to provide multiple gripping surfaces.

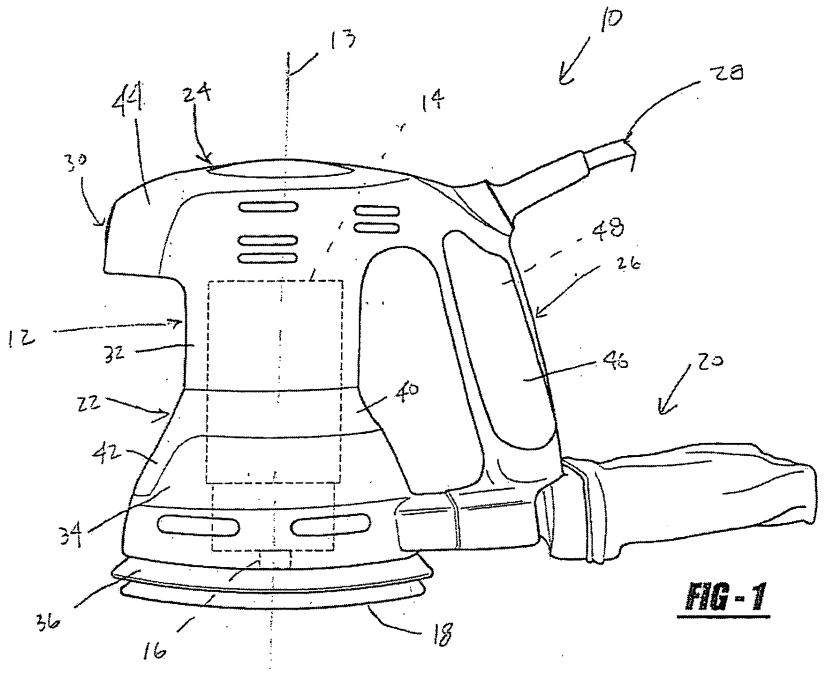


FIG - 1

EP 1 584 412 A3

European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 00 7263

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	GB 2 378 642 A (* SHINN FU CORPORATION) 19 February 2003 (2003-02-19) * figures *	1-19	INV. B24B23/03
A	US 2 466 584 A (DUFF GEORGE L) 5 April 1949 (1949-04-05) * figures *	1-19	
A	US 1 545 631 A (BARRY JAMES J ET AL) 14 July 1925 (1925-07-14) * figures *	1-19	
A	FR 1 085 718 A (PEUGEOT & COMPAGNIE) 7 February 1955 (1955-02-07) * figures *	1-19	
A	US 2002/131834 A1 (LUI TAT NIN ET AL) 19 September 2002 (2002-09-19) * figures *	1-19	
			TECHNICAL FIELDS SEARCHED (IPC) B24B B25F

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	20 April 2006	Eschbach, D

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

EPO FORM 1503 03.82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 05 00 7263

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.

20-04-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2378642 A	19-02-2003	DE 20114754 U1	14-03-2002
		FR 2829085 A3	07-03-2003
		NL 1018806 C1	25-02-2003
US 2466584 A	05-04-1949	NONE	
US 1545631 A	14-07-1925	NONE	
FR 1085718 A	07-02-1955	NONE	
US 2002131834 A1	19-09-2002	CN 2541093 Y	26-03-2003
		GB 2374309 A	16-10-2002

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82