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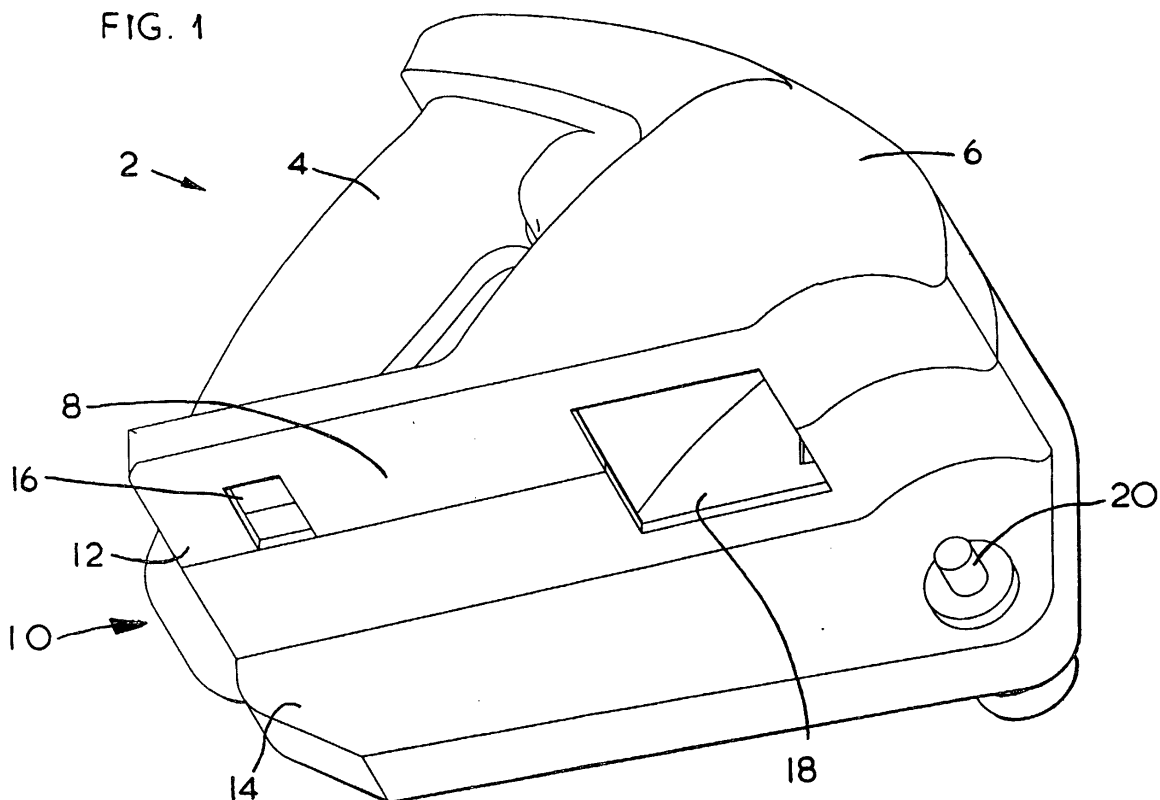
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(54) **Power tool**

(57) A power tool is disclosed which is suitable for both belt sanding and planing. The tool includes a motor (42) within a housing (6) which provides drive to an out-

put shaft (20). A plurality of cartridges (22, 36) may each be coupled with the housing (6) and the drive shaft (20) to enable either belt sanding or planing to be achieved.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 99 30 8945

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	DE 36 21 240 A (FESTO KG) 7 January 1988 (1988-01-07) * column 5, line 33-40; claims 7,10,13; figure *	1-4	B27C1/10 B24B23/06 B27C9/02
A	--- US 4 566 511 A (ROBINSON JAMES L) 28 January 1986 (1986-01-28) * column 5, line 11-55; figures 1,5-8 *	1-4	
A	--- US 4 201 254 A (FEHRIC MUSTAFA) 6 May 1980 (1980-05-06) * column 3, line 28 - column 4, line 30; figures 3-6 *	1-4	
A,D	--- EP 0 698 449 A (BLACK & DECKER INC) 28 February 1996 (1996-02-28) * abstract *	1	
A,D	--- GB 1 515 390 A (BLACK & DECKER MFG CO) 21 June 1978 (1978-06-21) * figures *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B27C B24B
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 17 February 2004	Examiner Meritano, L
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			

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

EP 99 30 8945

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
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17-02-2004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 3621240	A	07-01-1988	DE 3621240 A1	07-01-1988
US 4566511	A	28-01-1986	NONE	
US 4201254	A	06-05-1980	CA 1078709 A1	03-06-1980
EP 0698449	A	28-02-1996	DE 69530892 D1	03-07-2003
			EP 0698449 A2	28-02-1996
			ES 2194044 T3	16-11-2003
			JP 8052669 A	27-02-1996
			US 5624000 A	29-04-1997
GB 1515390	A	21-06-1978	US 3973179 A	03-08-1976
			US 3952239 A	20-04-1976
			AU 500892 B2	07-06-1979
			AU 8362875 A	10-02-1977
			CA 1032341 A1	06-06-1978
			CA 1034360 A2	11-07-1978
			CA 1034361 A2	11-07-1978
			CA 1034362 A2	11-07-1978
			DE 7521237 U	13-11-1975
			FR 2282324 A1	19-03-1976
			IT 1046589 B	31-07-1980
			ZA 7503691 A	26-05-1976
			CA 1018340 A1	04-10-1977
			CA 1024730 A2	24-01-1978
			IT 1040241 B	20-12-1979
			JP 1265362 C	27-05-1985
			JP 51045388 A	17-04-1976
			JP 59029394 B	20-07-1984
			US 4050003 A	20-09-1977
			ZA 7503690 A	26-05-1976