11 Publication number:

0 209 373

A3

(12)

EUROPEAN PATENT APPLICATION

21 Application number: 86305468.0

(51) Int. Cl.3: B 25 D 9/16

22 Date of filing: 16.07.86

30 Priority: 19.07.85 GB 8518265

(43) Date of publication of application: 21.01.87 Bulletin 87/4

BB Date of deferred publication of search report: 16.08.89

Designated Contracting States:
 AT BE CH DE FR GB IT LI LU NL SE

(1) Applicant: Allan, David Thomson 9 Broomhill Drive Rutherglen Glasgow G73 3QH(GB) 71) Applicant: John Macdonald & Company (Pneumatic Tools) Limited Peel Park Place College Milton South East Kilbride Glasgow G74 5LS(GB)

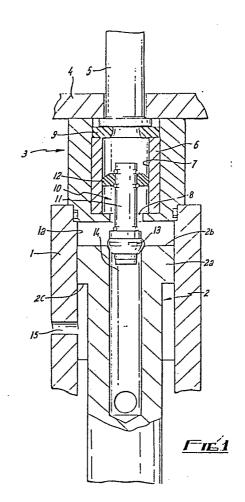
(2) Inventor: Allan, David Thomson 9 Broom Hill Drive Rutherglen, Glasgow G733QH(GB)

Representative: Murgitroyd, lan G. et al, Murgitroyd and Company Mitchell House 333 Bath Street Glasgow G2 4ER(GB)

54 Air tool with double acting valve.

(1a) An air tool comprises a casing (1) having an internal bore (1a) and a piston (2) slidably mounted for reciprocal movement therein. The piston (2) is driven in the bore (1a) by a fluid supply (5) controlled by valve means (3).

The valve means (3) is movable between a first position in which a drive portion (2b) of the piston (2) is in communication with the fluid supply (5) and is closed to the fluid exhaust means (14), and a second position, in which the drive portion (2b) of the piston (2) is closed to the fluid supply (5) and in communication with the fluid exhaust means (14).





EUROPEAN SEARCH REPORT

Application Number

EP 86 30 5468

	Citation of document with ind	ERED TO BE RELEVAN	Relevant	CLASSIFICATION OF THE
Category	of relevant pass		to claim	APPLICATION (Int. Cl.4)
Х	US-A-3 307 639 (WIL * Column 1, line 14 5 - column 4, line 18	column 3, line 32	1-4	B 25 D 9/16
X	US-A-3 946 819 (HIP * Column 4, line 60 *		1-4	
χ	US-A-2 813 516 (DUL * Column 3, lines 48		1-4	
Y	GB-A- 814 240 (AB * Page 1, line 28 -	INDUSTRIKOMPANIET) page 2, line 11 *	1,5,7,8	
Y	US-A-1 904 694 (NEL * Page 2, lines 20-5		1,5,7,8	
A	US-A-4 467 699 (Le * Abstract *	BLANC)	1,7	
A	US-A-1 898 665 (HUL * Abstract *	SHIZER)	1	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
				B 25 D E 21 C E 21 B E 02 D F 01 B F 01 L B 21 J
-			-	-
	The present search report has b	een drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
		24-05-1989	SOG	NO M.G.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another		NTS T: theory or prin E: earlier patent after the filin other D: document cit L: document cit	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	