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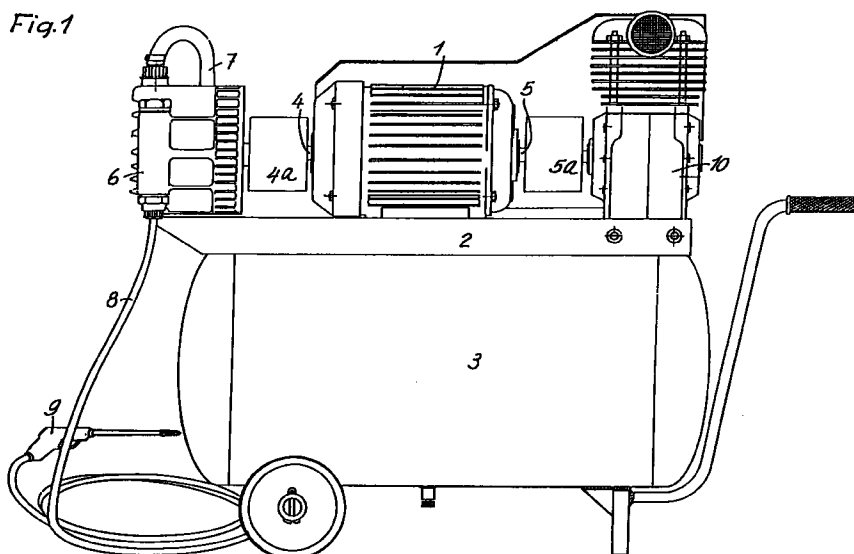
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(54) Combined two-function air compressor and jet washer device

(57) A combined two-function air compressor and jet washer device, comprising an electric motor (1) the shaft of which is provided with means for its selective connection to the air compression unit and to the jet washer pump, the electric motor being of the type having two directions of rotation, the means for selectively

connecting the shaft (4, 5) to the air compression unit (10) and to the jet washer pump (6) being two free wheels (41 and 51) mounted such that they have opposite dragging directions.

Fig.1



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EUROPEAN SEARCH REPORT

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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.6)
Y	PATENT ABSTRACTS OF JAPAN vol. 006, no. 181 (M-156), 17 September 1982 & JP 57 088278 A (GENERAL MACH KK), 2 June 1982 * abstract *	1-3	F04B23/06 F04B41/02
Y	US 5 395 216 A (LIN YI-HSIEN) 7 March 1995 * column 2, line 66 - column 4, line 51; figure 2 *	1-3	
A	DE 25 42 030 A (FLEISSNER WILHELM) 24 March 1977 * column 5, line 28 - column 7, line 23; figure 1 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			F04B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 April 1999	Examiner Ingelbrecht, P
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.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5395216 A	07-03-1995	DE 4305474 A	25-08-1994
DE 2542030 A	24-03-1977	NONE	