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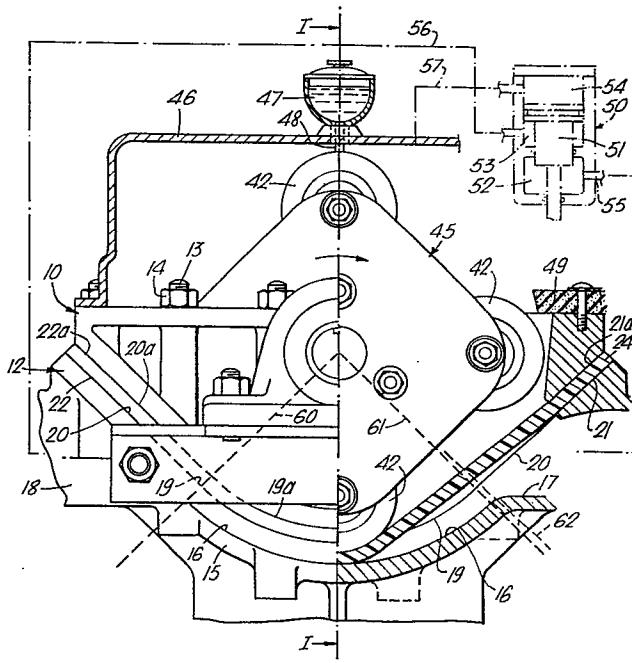
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(54) **Pump or motor with a flexible diaphragm.**

(57) A material handling device such as a pump or motor including a substantially longitudinally inextensible diaphragm (24) clamped around its periphery between upper and lower housing parts, the lower housing part (12) having an internal surface (16) forming, together with the diaphragm (24) the chamber of the device. A deflector assembly (45) including at least three rollers (42) is mounted in bearings which in turn are mounted, preferably pivotally, on the lower housing part (12) so as to be readily releasable to enable the diaphragm (24) to be changed. The upper housing part (10) may be provided with a casing (46) which can be pressurized to a pressure intermediate the inlet and outlet pressures of the device.





DOCUMENTS CONSIDERED TO BE RELEVANT			EP 83301570.4
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
P, A	<u>EP - A1 - 0 052 679</u> (SUMNER) * Page 12, lines 19-28; claim 1; fig. 1-3 *	1,5,14,15	F 04 B 43/14 F 01 B 19/02
A	<u>GB - A - 612 604</u> (FORD) * Page 1, lines 61-71; fig. 3,4 *	1,6-8,16	
A	<u>DE - A - 2 257 618</u> (SCHWING) * Page 5, lines 15-21; claims 8,9; fig. 1,2 *	1,9,10,14,15	
A	<u>GB - A - 744 413</u> (FORD) * Fig. 1,2 *	14-16	
D, A	<u>DE - C - 6 243</u> (SCHÜSSLER) --		TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
D, A	<u>US - A - 2 794 400</u> (BODINE) -----		F 01 B F 01 C F 04 B F 04 C
The present search report has been drawn up for all claims			
Place of search VIENNA	Date of completion of the search 22-12-1983	Examiner WITTMANN	
CATEGORY OF CITED DOCUMENTS		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	
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			