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(54) **Direct joint system for drive shaft-flexible rotor for self-priming pumps**

(57) The rotor (G), made up by an annular central body (C) provided externally with flexible radial blades (R) forming a sole body with said annular body, is characterized in that it includes, as integral part, means for the rotation coupling with the provided shaft end (A) for supporting the rotor (C) ; said means being machined in

the shaft (A) and in the rotor (C); said means being obtained by total press-molding in a sole piece of the annular body and the flexible radial wings of the rotor (C).

According to a simple and economical embodiment said means are made up of a wall or rib (D) that crosses diametrally the rotor hole and that is engaged with a corresponding groove provided on the shaft end.

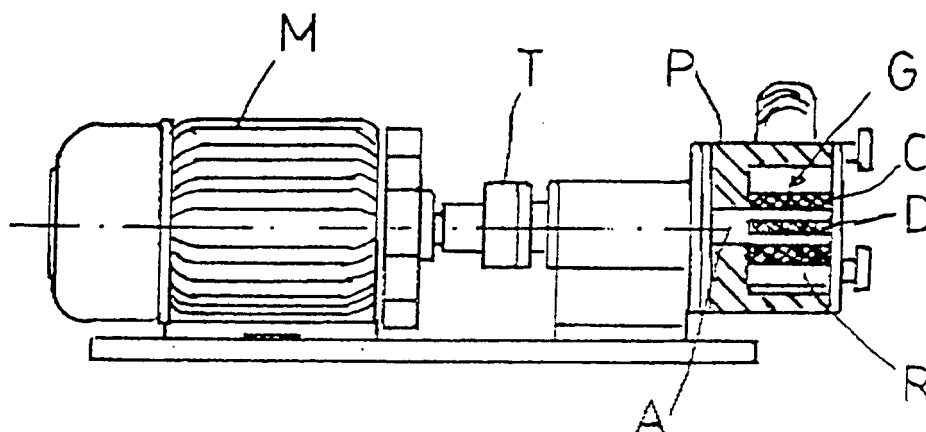


FIG. 1

Figure 1



EUROPEAN SEARCH REPORT

Application Number
EP 08 01 5679

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
			F04C F01C
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 29 June 2011	Examiner Sbresny, Heiko
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 08 01 5679

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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