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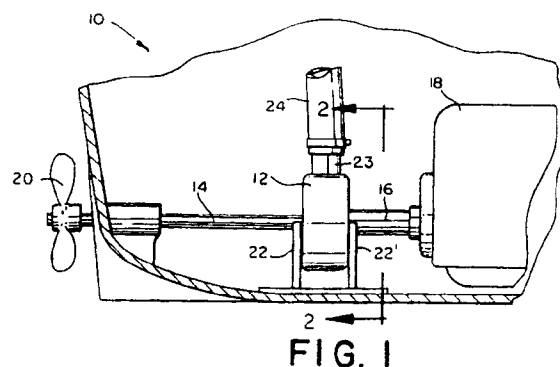
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(54) **Pump.**

(57) A centrifugal pump having an impeller (38) which is associated with a motor and a drive shaft (16,14) and that is enclosed within a housing (28). The housing (28) is mounted in surrounding, spaced and non-contacting relationship, with respect to the impeller (38) and drive shaft (14) contains fluid inlet (26,26') through which fluids are directed by the impeller (28) to an outlet from the housing (28). Also provided is a pump which operates from remote locations.





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EUROPEAN SEARCH REPORT

Application Number

EP 92 85 0211

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.5)
A,D	US-A-4 688 987 (ERICSON) * Entire document *	1-5	F 04 D 1/00 F 04 D 29/20 F 04 D 17/16 F 04 D 29/26
A	US-A-3 411 013 (VOGELSANG) * Entire document *	1,5	
A	US-A-2 215 559 (MORGAN) * Entire document *	1-4	
A	GB-A-1 226 229 (CRISAFULLI) * Page 1, line 46 - page 2, line 125; figures 1-4 *	1-4	
A	DE-C- 422 200 (HARIVEAU) * Entire document *	1,3,6	
A	US-A-5 051 071 (HAENTJENS) * Column 2, line 11 - column 3, line 62; figures 1-8 *	1,5	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F 04 D B 63 J B 63 B
<p>The present search report has been drawn up for all claims</p>			
Place of search THE HAGUE		Date of completion of the search 03-12-1992	Examiner TEERLING J H
<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 & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.82 (P0401)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

See sheet -B-

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.

namely claims: 1-6



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EP 92 85 0211 -B-

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-6 : A self priming centrifugal apparatus.
The impeller is formed by the coupling
which couples the motor to drive shaft.
2. Claims 7-11 : An immersible pump comprising a
hydraulic motor