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(54) Canned centrifugal pump

(57) The present invention comprises a pump (10, 110) having a casing (14, 114) with at least one first hermetically sealed chamber (19, 119) and at least one second chamber (17, 117) adjacent to said first chamber, defining a passageway (18, 118) for fluids and having an inlet (15, 115) and an outlet (16, 116) for the fluids. The stator (12, 112) is provided in this first chamber (19, 119). In addition, a rotor-turbine assembly (11, 111) is induced by the stator (12, 112) to drive a fluid from the inlet (15, 115) to the outlet (16, 116), the rotor and the turbine being integral and wholly located in the second chamber (17, 117). In a preferred embodiment; a fluid course between the opening of outlet (115) and fluid passage (118), in portion (119a) of first chamber (119), is provided with filtration zone (120) suitable for filtration of a fluid to be impelled by the pump.

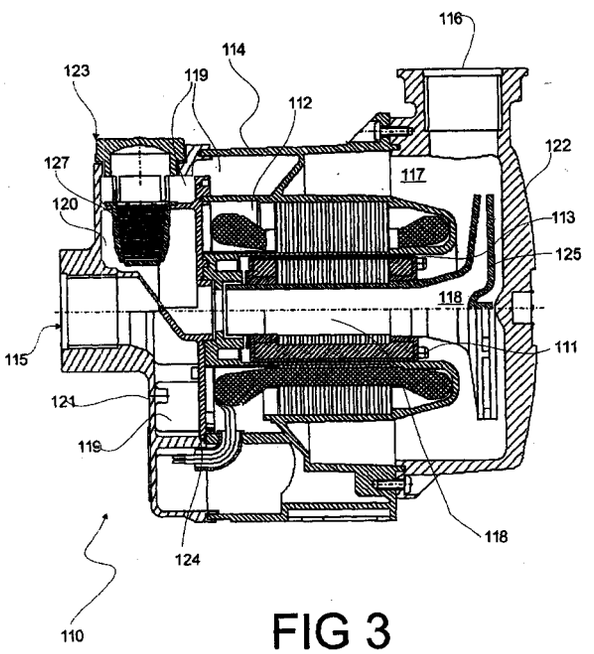


FIG 3

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EUROPEAN SEARCH REPORT

Application Number
EP 03 25 0048

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	13 July 2004	Ingelbrecht, P

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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