

Title (en)  
Canned centrifugal pump

Title (de)  
Spaltröhrpumpe

Title (fr)  
Pompe à tube d'entrefer

Publication  
**EP 1398508 A2 20040317 (EN)**

Application  
**EP 03250048 A 20030103**

Priority  
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Abstract (en)  
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. <IMAGE>

IPC 1-7  
**F04D 13/06**; F04D 29/04

IPC 8 full level  
**F04D 13/02** (2006.01); **F04D 13/06** (2006.01); **F04D 29/02** (2006.01); **F04D 29/043** (2006.01); **F04D 29/22** (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01); **F04D 29/58** (2006.01); **F04D 29/70** (2006.01)

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