

Title (en)
COMPACT PUMP DRIVEN BY AN ELECTRIC MOTOR

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EP 0027077 B1 19840201 (FR)

Application
EP 80401383 A 19800930

Priority
FR 7924711 A 19791004

Abstract (en)
[origin: EP0027077A1] 1. A compact pump driven by an electric motor, comprising a first chamber (13) having liquid inlet means (14) and liquid outlet means (15), feed means, e.g. an impeller (20) or the like adapted to force said liquid from said inlet means towards said outlet means, and a second chamber (16) encapsulating an electric motor (17), said feed means being mechanically coupled to the shaft (18) of said electric motor, said first and second chambers being adjacent to one another and being essentially separated by seal means (19) made from elastically compressible material, said seal means having a static seal portion (35) extending essentially in peripheral direction as well as an essentially central dynamic seal portion (36) defining a shaft opening (37), said shaft of said motor extending therethrough, the first chamber (13) being defined by a first part (11) of said housing and the second chamber (16) being at least partially defined by a second part (12) of said housing being formed with motor receiving means (29, 31), said two parts of the housing being mutually assembled to form said compact pump, characterized in that the two parts (11, 12) of the housing are mutually assembled by means of snap connections (28) and in that spring means (32) are interposed between said seal means (19) and said motor (17) being compressed upon assembly of the pump, said spring means forming the only pumpside fixing means of the motor to position the latter in the interior of the second chamber (16) between an axial end zone (31) of said chamber and said spring means.

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CPC (source: EP)
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Cited by
US5833441A; FR2555258A1; EP0442798A1; FR2658567A1; EP0287984A3; WO9111350A3; WO9748907A1

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