

Title (en)
SUBMERSIBLE PROPELLER PUMP

Publication
EP 0121456 B1 19861001 (FR)

Application
EP 84400392 A 19840228

Priority
FR 8303319 A 19830301

Abstract (en)
[origin: EP0121456A1] 1. A submerged propeller pump of the type comprising a motor having a shaft which is guided in two bearings and onto which is keyed a propeller, the said motor being housed in a body including a first chamber (28) filled with oil and provided with a first flange (25) connected to a corresponding second flange (23) on a pump body (15), the said pump body (15) exhibiting a casing (20) extending from the first flange up to the propeller coaxially with the shaft (3) and a perforated wall connected to a ring (17) circumscribing the propeller and integral with a third flange (16) in order to be connected to a delivery pipe, characterized in that one of the bearings (5) to the motor (1) is offset longitudinally in order to be arranged in the pump body and is supported by a support (35) integral with the first flange (25), the first chamber (28) of the body (2) being in communication with a second chamber (70) arranged in the support (35) and opening onto the bearing (5), a turbine being keyed onto the shaft in the second chamber (70) and a return circuit (46, 47, 48, 50) towards the first chamber (28) being provided so as to create a continuous lubrication circulation through the bearing and an overpressure.

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F04D 29/04

IPC 8 full level
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F04D 29/0462 (2013.01); **F04D 29/049** (2013.01)

Cited by
EP2792883A1; DE102006061504B3; GB2271397A; GB2271397B; DE102014010290A1; DE102014010290B4; EP1936204A2

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