

Title (en)

PUMP UNIT FOR CIRCULATING A CORROSIVE FLUID

Title (de)

PUMPENEINHEIT ZUM ZIRKULIEREN EINES KORROSIVEN FLUIDS

Title (fr)

GROUPE MOTOPOMPE DE MISE EN CIRCULATION D'UN FLUIDE CORROSIF

Publication

EP 1552158 A1 20050713 (FR)

Application

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Priority

- FR 0303026 W 20031014
- FR 0212814 A 20021015

Abstract (en)

[origin: FR2845736A1] The magnetic compensator comprises a magnetic cylinder head fixed in the body of the pump and at least one compensating permanent magnet fixed in the magnetic impeller rotor. Internal surface(s) of the volute and an external part of the pump rotor contact the corrosive fluid. Surfaces, including that of the pump body surrounding the pump shaft and an external surface of the magnetic rotor, are made of a material resistant to corrosive fluid. The magnetic compensator comprises a magnetic cylinder head (11) fixed in the body of the pump (3) and at least one compensating permanent magnet (17') fixed in the magnetic impeller rotor. At least one internal surface (20) of the volute (2) and an external part (21) of the pump rotor (4) contact the corrosive fluid. These, and further surfaces, including that (2) of the pump body surrounding the pump shaft (6) and an external surface (23) of the magnetic rotor (5) are made of a material resistant to corrosive fluid.

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