

Title (en)
Centrifugal pump with magnetic coupling

Title (de)
Kreiselpumpe mit Magnetkupplung

Title (fr)
Pompe centrifuge à accouplement magnétique

Publication
EP 1158174 B1 20070314 (DE)

Application
EP 01108334 A 20010403

Priority
DE 10024953 A 20000522

Abstract (en)
[origin: US2001043865A1] A pump has a housing plate having a front face and a back face, a housing can fixed to the plate and defining a chamber on the back face thereof, a bearing sleeve in the can fixed to the plate and extending rearward from the back face thereof along an axis, and a rotor shaft extending axially through the sleeve and having a front end and a rear end. Bearings support the rotor shaft in the sleeve for rotation therein about the axis. The shaft has an outer surface spaced a predetermined inner radial distance from an inside surface of the bearing sleeve. An impeller is carried on the rotor-shaft front end in a pump chamber at the front face of the housing plate. A rotor body fixed to the shaft rear end extends axially forward in the can around the bearing sleeve. The rotor body has an outer surface spaced a predetermined outer radial distance from an inside surface of the can. The inner radial dimension is substantially smaller than the outer radial dimension.

IPC 8 full level
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