

Title (en)
Pump with a magnetic drive.

Title (de)
Pumpe mit Spaltrohrantrieb.

Title (fr)
Pompe à entraînement magnétique.

Publication
EP 0291780 A1 19881123 (FR)

Application
EP 88107267 A 19880506

Priority
FR 8706702 A 19870512

Abstract (en)
In the pump according to the invention which in particular comprises a body (20) having two parts (22, 36) forming a tight assembly, two apertures (32, 34) for the admission and outlet of a liquid to be pumped and means of connection (46, 48) to allow pipes (42, 44) to be connected in the vicinity of these apertures, and a rotary device (2), for example a screw, fixed inside this body, to draw the liquid in through one aperture and deliver it through the other, the two assembled parts of the body and the rotating device are made of a ceramic, composed mainly of aluminium (Al₂O₃), zirconium oxide (ZrO₂), silicon nitride (Si₃N₄) or silicon carbide (SiC). Such a pump may be made without any joint and will convey virtually any type of liquid at either high or low temperature. <IMAGE>

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