

Title (en)

Heat barrier for a centrifugal pump assembly

Title (de)

Wärmesperre für ein Kreispumpenaggregat

Title (fr)

Barrière thermique pour un ensemble de pompe centrifuge

Publication

EP 0731280 B1 19990616 (DE)

Application

EP 96102056 A 19960213

Priority

DE 19508321 A 19950309

Abstract (en)

[origin: EP0731280A1] The pump assembly has a rectilinear force flow (6) between the pump part (1) and motor part (2). A force-transferring insulating single or multi-part ceramic element is mounted in the force flow in the heat barrier (3). The ceramic element can be ring shaped. A space (12.1) filled with ceramic insulating material (12) is located between the ceramic element (5) and a shaft (9) connecting the pump and motor parts. Between the space and shaft the heat barrier can be provided with a thin-walled pressure-resistant gas-tight shaft passage (10).

IPC 1-7

F04D 29/58; F04D 7/06

IPC 8 full level

F04D 7/06 (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP US)

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Cited by

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EP 0731280 A1 19960911; **EP 0731280 B1 19990616**; AT E181403 T1 19990715; DE 19508321 A1 19960912; DE 59602211 D1 19990722; IN 189392 B 20030215; US 5626460 A 19970506

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