

Title (en)

Machine assembly with integral heat barrier

Title (de)

Maschinenaggregat mit integrierter Wärmesperre

Title (fr)

Ensemble de machine avec barrière thermique intégrée

Publication

EP 0879967 A3 20000719 (DE)

Application

EP 98107095 A 19980418

Priority

DE 19721196 A 19970521

Abstract (en)

[origin: EP0879967A2] The pumping machine assembly has a hot (1) and a cool (2) section, separated by a heat barrier as a pair of spaced flange plates (5,6) linked together by one or more force transmission metallic units (9). The bonding has a sufficient minimum cross section surface for the force transmission requirements. The two plates (5,6) are bonded together by a tubular body (11), surrounding the shaft (4) or a shaft bush (12), with a narrow gap between them. Ring recesses in one or both plates (5,6) hold force transmission units (9) and/or a thermal insulation material (15).

IPC 1-7

F04D 29/58

IPC 8 full level

F04D 13/02 (2006.01); **F04D 29/58** (2006.01); **F16D 1/02** (2006.01); **F16D 1/033** (2006.01)

CPC (source: EP US)

F04D 29/5893 (2013.01 - EP US)

Citation (search report)

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- [DA] EP 0731280 A1 19960911 - KSB AG [DE]
- [A] US 4239462 A 19801216 - DACH HOLGER [DE], et al
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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0879967 A2 19981125; EP 0879967 A3 20000719; EP 0879967 B1 20030625; DE 19721196 A1 19981126; DE 59808789 D1 20030731; JP 3207391 B2 20010910; JP H10325399 A 19981208; US 6634854 B1 20031021

DOCDB simple family (application)

EP 98107095 A 19980418; DE 19721196 A 19970521; DE 59808789 T 19980418; JP 15515198 A 19980520; US 8176598 A 19980521