

Title (en)

SEALING ARRANGEMENT FOR A TURBO PUMP

Publication

EP 0222262 B1 19900718 (FR)

Application

EP 86115043 A 19861029

Priority

FR 8516595 A 19851108

Abstract (en)

[origin: US4744721A] A turbopump sealing device is mounted in a case concentric with the rotary shaft between the turbine and the pump, the case defining a cavity for pressurizing gas, defined on the turbine side by a bearing ring which is integral therewith, in contact with a first floating ring secured against rotation and, on the pump side, by an applied shell one face of which is in contact with a second floating ring secured against rotation, itself bearing on a friction ring integral with the shaft, such rings being mounted on a socket concentric with the shaft, the shell being further connected to the cavity by a bellows.

IPC 1-7

F04D 29/12

IPC 8 full level

F16J 15/34 (2006.01); **F02K 9/48** (2006.01); **F04D 13/04** (2006.01); **F04D 29/12** (2006.01)

CPC (source: EP US)

F04D 29/128 (2013.01 - EP US)

Cited by

CN112145471A; FR3005687A1; US10190592B2; WO2014188109A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0222262 A1 19870520; **EP 0222262 B1 19900718**; DE 3672750 D1 19900823; FR 2589955 A1 19870515; FR 2589955 B1 19891208; JP S62182499 A 19870810; US 4744721 A 19880517

DOCDB simple family (application)

EP 86115043 A 19861029; DE 3672750 T 19861029; FR 8516595 A 19851108; JP 26485886 A 19861106; US 92456386 A 19861028