

Title (en)

Oil recovery device

Title (de)

Ölrückgewinnungsvorrichtung

Title (fr)

Dispositif de récupération d'huile

Publication

EP 2090764 A1 20090819 (FR)

Application

EP 09152349 A 20090209

Priority

FR 0850899 A 20080213

Abstract (en)

The device has upstream and downstream bearing supports (19, 23) mounted on an inter-turbine casing (25), and bearings (2, 4) mounted on the bearing supports, respectively. A low-pressure turbine journal (20) is rotated with respect to the inter-turbine casing. A fixed ferrule (48) and an oil passage (44) are provided in the low-pressure turbine journal to discharge the oil inside the fixed ferrule. The ferrule is widened from an end at which the oil is discharged.

Abstract (fr)

Il comprend deux supports de paliers (19) et (23) montés sur un carter inter-turbine (25), un premier et un second palier (2, 4) montés sur ces supports de palier, un tourillon de turbine basse pression (20) monté tournant par rapport au carter inter-turbine (25), une virole fixe (48) et un passage d'huile (44) prévu dans le tourillon de turbine à basse pression (20) permettant de délivrer l'huile à l'intérieur de la virole fixe (48). La virole s'évase de préférence en partant de l'extrémité à laquelle l'huile est délivrée.

IPC 8 full level

F02C 7/06 (2006.01); **F01D 25/18** (2006.01)

CPC (source: EP US)

F01D 25/16 (2013.01 - EP US); **F01D 25/18** (2013.01 - EP US); **F05D 2260/602** (2013.01 - EP US)

Citation (applicant)

EP 1316676 A1 20030604 - GEN ELECTRIC [US]

Citation (search report)

- [A] EP 1316676 A1 20030604 - GEN ELECTRIC [US]
- [A] EP 1653045 A2 20060503 - GEN ELECTRIC [US]
- [A] EP 0852286 A2 19980708 - GEN ELECTRIC [US]

Cited by

WO2024003507A1; CN109707515A; FR3053728A1; FR2992679A1; FR2992680A1; CN104379880A; FR3008738A1; RU2665607C2; FR3137407A1; FR2985766A1; FR3007069A1; CN105308271A; RU2657105C2; WO2014199083A1; WO2014001681A1; US9551236B2; US10113480B2; US10294820B2; WO2015007980A1

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2090764 A1 20090819; EP 2090764 B1 20110413; CA 2652810 A1 20090813; CA 2652810 C 20160119; DE 602009001007 D1 20110526; FR 2927366 A1 20090814; FR 2927366 B1 20130705; RU 2009104918 A 20100820; RU 2480599 C2 20130427; US 2009199534 A1 20090813; US 8312702 B2 20121120

DOCDB simple family (application)

EP 09152349 A 20090209; CA 2652810 A 20090203; DE 602009001007 T 20090209; FR 0850899 A 20080213; RU 2009104918 A 20090212; US 36405309 A 20090202