

Title (en)

A FLOATING EXPANSION CONTROL RING.

Title (de)

SCHWIMMENDER AUSDEHNUNGS-BEGRENZUNGSRING.

Title (fr)

ANNEAU DE COMMANDE D'EXPANSION FLOTTANT.

Publication

EP 0076256 A4 19830809 (EN)

Application

EP 81901830 A 19810410

Priority

US 8100481 W 19810410

Abstract (en)

[origin: WO8203657A1] A floating expansion control ring (20) having a plurality of radially extending positioning lugs (18) is free to move eccentric to the axis of an enclosing engine (24) and within the confines of a spacer ring (14) rigidly mounted within said engine (24). This eccentric movement in a turbine engine permits slight eccentricities of a turbine rotor (11) in a turbine engine. This eccentric movement eliminates the need for abradable shrouds and abradable turbine blades.

IPC 1-7

F01D 11/08

IPC 8 full level

F01D 11/08 (2006.01)

CPC (source: EP)

F01D 11/08 (2013.01)

Citation (search report)

- WO 7901008 A1 19791129 - CATERPILLAR TRACTOR CO [US]
- US 1352276 A 19200907 - OSCAR JUNGREN
- GB 2092242 A 19820811 - ROLLS ROYCE
- US 3062497 A 19621106 - HOWES BENJAMIN T, et al
- GB 2050524 A 19810107 - ROLLS ROYCE
- GB 881528 A 19611101 - BURNARD SCOTT WADE

Cited by

EP2964902A4; WO2014137577A1; US10077672B2; US10584607B2

Designated contracting state (EPC)

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WO 8203657 A1 19821028; BE 892463 A 19820701; CA 1173368 A 19840828; DE 3174911 D1 19860814; EP 0076256 A1 19830413; EP 0076256 A4 19830809; EP 0076256 B1 19860709; JP H0423087 B2 19920421; JP S58500489 A 19830331; MY 8700851 A 19871231

DOCDB simple family (application)

US 8100481 W 19810410; BE 207543 A 19820312; CA 390737 A 19811124; DE 3174911 T 19810410; EP 81901830 A 19810410; JP 50226581 A 19810410; MY 8700851 A 19871231