

Title (en)

Flow working machine with ring canal wall fitting

Title (de)

Strömungsarbeitsmaschine mit Ringkanalwandausnehmung

Title (fr)

Machine de traitement des écoulements dotée d'un creux de paroi de canal de ceinture

Publication

EP 2025945 A3 20140625 (DE)

Application

EP 08013782 A 20080731

Priority

DE 102007037924 A 20070810

Abstract (en)

[origin: EP2025945A2] The machine has an annular recess (5) arranged in a ring channel wall of a housing and/or a shaft (2). A limiting point of the recess comprises a distance from a front blade tip point, and all distances parallel to lines connecting the front blade tip point and a rear blade tip point are measured. Other two points define characteristics of the wall of the recess at a distance of 0.75 lengths and 0.25 lengths from the front blade tip point. A connection line with another connection line encloses an angle of minus 15 degrees to 30 degrees.

IPC 8 full level

F04D 27/02 (2006.01); **F04D 29/16** (2006.01); **F04D 29/52** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)

F04D 29/526 (2013.01 - EP US); **F04D 29/685** (2013.01 - EP US)

Citation (search report)

- [XDY] DE 10330084 A1 20040304 - MTU AERO ENGINES GMBH [DE]
- [YA] DE 3521798 A1 19920827 - ROLLS ROYCE PLC [GB]
- [YA] GB 2408546 A 20050601 - ROLLS ROYCE PLC [GB]
- [YA] DE 69402843 T2 19970904 - CENTRAL INST OF AVIAT MOTORS C [RU]

Cited by

FR2989744A1; CN104220759A; RU2616695C2; FR2989742A1; CN104220758A; RU2626874C2; US8845269B2; US10024336B2; WO2013156725A3; WO2010072638A1; WO2013156726A3; US9638213B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2025945 A2 20090218; EP 2025945 A3 20140625; EP 2025945 B1 20160420; DE 102007037924 A1 20090212; US 2009041576 A1 20090212; US 8419355 B2 20130416

DOCDB simple family (application)

EP 08013782 A 20080731; DE 102007037924 A 20070810; US 22253208 A 20080811