

Title (en)

RADIAL-TYPE CENTRIFUGAL MACHINE WITH A DISC DIFFUSOR

Publication

**EP 0280850 A3 19890802 (DE)**

Application

**EP 88100577 A 19880116**

Priority

DE 3707103 A 19870305

Abstract (en)

[origin: US4824323A] A turbo-operation machine has a rotor disk (2) that rotates in a housing (1) and is surrounded by a disk diffusor. The radial length of the diffusor channel differs locally such that the static pressure at the circumference of the disk diffusor is as uniform as possible.

IPC 1-7

**F04D 29/44**; **F04D 29/46**

IPC 8 full level

**F04D 29/44** (2006.01); **F04D 29/46** (2006.01)

CPC (source: EP US)

**F04D 29/441** (2013.01 - EP US); **F04D 29/46** (2013.01 - EP US); **F05D 2250/52** (2013.01 - EP US)

Citation (search report)

- [X] US 3073512 A 19630115 - LAZO LUIS R, et al
- [Y] DE 1451895 A1 19690710 - CATERPILLAR TRACTOR CO
- [X] GB 768799 A 19570220 - CLEAVER BROOKES COMPANY
- [A] CH 451711 A 19680515 - EMILE EGGER & CIE S A [CH]

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**US 4824323 A 19890425**; AT E59439 T1 19910115; DE 3707103 C1 19880128; DE 3861390 D1 19910207; EP 0280850 A2 19880907; EP 0280850 A3 19890802; EP 0280850 B1 19901227; ES 2019408 B3 19910616; GR 3001250 T3 19920730; JP S63253197 A 19881020

DOCDB simple family (application)

**US 16410288 A 19880304**; AT 88100577 T 19880116; DE 3707103 A 19870305; DE 3861390 T 19880116; EP 88100577 A 19880116; ES 88100577 T 19880116; GR 900401055 T 19901228; JP 4946888 A 19880302