

Title (en)

Turbine rim configuration.

Title (de)

Randkonfiguration einer Turbinenschiebe.

Title (fr)

Configuration de jante de disque de turbine.

Publication

EP 0437977 A1 19910724 (EN)

Application

EP 90314368 A 19901228

Priority

US 46679590 A 19900118

Abstract (en)

A turbine rotor rim construction which provides for individual blade (12,14) installation and removal, blade-to-blade damping through the use of readily installed damper weights (22) located between adjacent blades and which permit blades to slide into position thereover, under blade balance weights (16) which can be readily installed, removed or changed by temporarily removing a blade, and seals (26) which can be readily installed under the platforms of adjacent blades. <IMAGE>

IPC 1-7

F01D 5/02; F01D 5/26; F01D 11/00

IPC 8 full level

F01D 5/02 (2006.01); **F01D 5/10** (2006.01); **F01D 5/22** (2006.01); **F01D 5/26** (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)

F01D 5/027 (2013.01 - EP); **F01D 5/22** (2013.01 - EP); **F01D 11/006** (2013.01 - US); **F01D 11/008** (2013.01 - EP)

Citation (search report)

- [Y] US 4872810 A 19891010 - BROWN WESLEY D [US], et al
- [Y] EP 0314606 A2 19890503 - UNITED TECHNOLOGIES CORP [US]
- [A] GB 2111130 A 19830629 - UNITED TECHNOLOGIES CORP
- [A] DE 2743563 A1 19780406 - GEN ELECTRIC
- [A] US 3037741 A 19620605 - TUFT ROY E
- [A] US 2843356 A 19580715 - HULL JR THOMAS N
- [AD] US 4505642 A 19850319 - HILL EDWARD C [US]
- [AD] US 4422827 A 19831227 - BUXE PAUL M [US], et al

Cited by

EP2157283A1; EP2848770A1; EP1617044A1; US5460489A; FR2970033A1; CN103282604A; DE4300773C1; EP0610668A1; US5425621A; US7121802B2; US10138756B2; US9810075B2; US9810087B2; US10301958B2; US10253642B2; EP3885533A1; WO2012093217A1; WO2010020568A1; WO9412772A1; US10851661B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0437977 A1 19910724; JP H04214901 A 19920805

DOCDB simple family (application)

EP 90314368 A 19901228; JP 1840191 A 19910118