

Title (en)
GUIDE VANE ROW FOR A TURBOMACHINE

Title (de)
LEITSCHAUFELKRANZ FÜR EINE STRÖMUNGSMASCHINE

Title (fr)
GRILLE D'AUBES DIRECTRICES POUR UNE TURBOMACHINE

Publication
EP 2696038 A1 20140212 (DE)

Application
EP 12179455 A 20120807

Priority
EP 12179455 A 20120807

Abstract (en)
The guide vane ring (1) has several rotatable guide vanes (2) with an inner ring (4) for radial inner stabilization of the guide vanes having a seal carrier (6). The seal carrier is arranged radially and inwardly with respect to the inner ring. A spring-like sealing element (58) with an annular C-shaped section, is arranged between an inner ring portion and a seal support portion, so that the inner ring and the seal carrier are clamped to each other. An independent claim is included for turbomachine.

Abstract (de)
Offenbart ist ein Leitschaufelkranz für eine Strömungsmaschine, dessen Innenring und Dichtungsträger mittels eines federartigen Dichtelementes gegenseitig verspannt sind, sowie eine Strömungsmaschine mit einem derartigen Leitschaufelkranz.

IPC 8 full level
F01D 11/00 (2006.01); **F01D 17/16** (2006.01); **F04D 29/10** (2006.01); **F04D 29/56** (2006.01)

CPC (source: EP)
F01D 11/001 (2013.01); **F01D 17/162** (2013.01); **F04D 29/083** (2013.01); **F04D 29/563** (2013.01); **F01D 11/005** (2013.01); **F05D 2250/75** (2013.01)

Citation (search report)

- [XA] FR 2824593 A1 20021115 - SNECMA MOTEURS [FR]
- [X] DE 102008032661 A1 20100114 - MTU AERO ENGINES GMBH [DE]
- [X] DE 102007015669 A1 20081002 - MTU AERO ENGINES GMBH [DE]
- [A] EP 1441108 A2 20040728 - UNITED TECHNOLOGIES CORP [US]

Cited by
EP3192975A1; CN108533333A; RU2687474C2; EP4001596A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

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