

Title (en)  
GUIDE VANE ARRANGEMENT OF A TURBO-MACHINE

Title (de)  
LEITSCHAUFEL-ANORDNUNG EINER STRÖMUNGSMASCHINE

Title (fr)  
DISPOSITIF D'AUBE DIRECTRICE D'UNE TURBOMACHINE

Publication  
**EP 1917419 A2 20080507 (DE)**

Application  
**EP 06792762 A 20060809**

Priority  
• EP 2006065188 W 20060809  
• CH 13482005 A 20050817

Abstract (en)  
[origin: WO2007020217A2] The invention relates to a guide-vane arrangement (1) of a turbo-machine (4), in particular, a gas turbine. Said device comprises at least one guide vane support (2) which is secured to the housing (5) of a turbo-machine (4), several guide vanes (3) which are secured to the guide vane support (2) and are arranged adjacent to each other in the direction of the periphery. Each guide vane (3) comprises a platform (6) which comprises a first locking section (8) and a second locking section (9) which is arranged at an axial distance therefrom. The vane guide support (2) comprises a first support section (12) and the second support section (13) is arranged at an axial distance therefrom. Each locking section (8, 9) and the respective support section (12, 13) are embodied in such a manner that they provide an axially insertable and radial positive fit connection between the guide vane support (2) and the respective guide vane (3). At least one securing element (14) is secured to the guide vane support (2) and is embodied in such a manner that it forms an axial fixation for at least one of the guide vanes (3).

IPC 8 full level  
**F01D 9/04** (2006.01); **F01D 5/18** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)  
**F01D 5/18** (2013.01 - EP US); **F01D 9/042** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007020217A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007020217 A2 20070222; WO 2007020217 A3 20070412**; AT E430874 T1 20090515; BR PI0614795 A2 20110412; BR PI0614795 A8 20170321; BR PI0614795 A8 20170725; CA 2617826 A1 20070222; CA 2617826 C 20140401; DE 502006003679 D1 20090618; EP 1917419 A2 20080507; EP 1917419 B1 20090506; MX 2008002013 A 20080327; SI 1917419 T1 20091031; TW 200712309 A 20070401; TW I324217 B 20100501; US 2008199312 A1 20080821; US 7677867 B2 20100316

DOCDB simple family (application)  
**EP 2006065188 W 20060809**; AT 06792762 T 20060809; BR PI0614795 A 20060809; CA 2617826 A 20060809; DE 502006003679 T 20060809; EP 06792762 A 20060809; MX 2008002013 A 20060809; SI 200630367 T 20060809; TW 95130301 A 20060817; US 3309408 A 20080219