

Title (en)
Turbomachine and production method for a stator assembly

Title (de)
Strömungsmaschine und Verfahren zum Herstellen eines Leitgitters

Title (fr)
Turbomachine et méthode de fabrication pour un anneau de guidage

Publication
EP 1528225 B1 20060816 (DE)

Application
EP 03024662 A 20031027

Priority
EP 03024662 A 20031027

Abstract (en)
[origin: EP1528225A1] The turbo machine has a guide vane cascade with a blade support ring (6) with a number of adjustable blades (7) arranged around the turbine rotor (4) and forming an axial boundary of a blade housing (13). A bolt or pin (16) is constructed as a spacer and is fitted by one end between the blade support ring and a component (15,29) provided in the turbine casing (2), and by the other end is fixed for the axial spacing of the blade support ring by means of a connecting material (30) which is applied in a molten state but is then temperature resistant. An independent claim is included for a method for the manufacture of a guide vane cascade for a turbo machine.

IPC 8 full level
F01D 17/16 (2006.01); **F02B 37/24** (2006.01)

CPC (source: EP US)
F01D 17/165 (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US)

Cited by
EP1676980A1; DE102009007663A1; EP1707755A1; EP1734231A1; DE102005001864B3; EP4239164A3; US7507067B2; US7431560B2; US7918023B2; US8418460B2; US8764389B2; WO2007093406A1; WO2009000436A3; WO2010040643A1; DE102012211417A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 1528225 A1 20050504; EP 1528225 B1 20060816; DE 50304673 D1 20060928; JP 2005127321 A 20050519; US 2005169748 A1 20050804; US 7303370 B2 20071204

DOCDB simple family (application)
EP 03024662 A 20031027; DE 50304673 T 20031027; JP 2004281195 A 20040928; US 97432104 A 20041027