

Title (en)
High-pressure turbine of a turbomachine

Title (de)
Hochdruckturbine eines Turbinentriebwerks

Title (fr)
Turbine haute-pression d'une turbomachine

Publication
EP 1965027 A2 20080903 (FR)

Application
EP 08151865 A 20080225

Priority
FR 0701427 A 20070228

Abstract (en)
The turbine (10) has an impeller (18) rotatively mounted downstream of a distributor (16). Ring sectors (20) are circumferentially arranged in an end to end manner, and suspended to an outer casing (22) by an annular support (24). The distributor has an inner radial end including a fixation unit fixed on an inner casing. The distributor has an outer radial end that is in axial support on an annular plate (90), where the plate is suspended to the outer casing irrespective of the annular support of the ring sectors.

Abstract (fr)
Turbine haute-pression (10) d'une turbomachine, comprenant au moins un distributeur (16) et une roue (18) montée rotative à l'intérieur de secteurs d'anneau (20) fixés à un support annulaire (24) qui est suspendu à un carter externe (22), le distributeur comprenant à son extrémité radialement interne des moyens de fixation sur un carter interne et à son extrémité radialement externe des moyens (102, 104) d'appui axial sur un élément fixe (90) de la turbine qui est suspendu au carter externe indépendamment du support annulaire de fixation des secteurs d'anneau.

IPC 8 full level
F01D 9/04 (2006.01); **F01D 11/12** (2006.01); **F01D 25/24** (2006.01)

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

Citation (applicant)
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• US 3314648 A 19670418 - ERNST HOWALD WERNER

Cited by
EP2481988A3; DE102010036071A1; FR2944554A1; FR3041028A1; FR3041029A1; US9540953B2; US8752395B2

Designated contracting state (EPC)
DE FR GB

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1965027 A2 20080903; **EP 1965027 A3 20110126**; **EP 1965027 A8 20081029**; **EP 1965027 B1 20120125**; CA 2622116 A1 20080828; CA 2622116 C 20150811; FR 2913050 A1 20080829; FR 2913050 B1 20110617; US 2008267768 A1 20081030; US 8133018 B2 20120313

DOCDB simple family (application)
EP 08151865 A 20080225; CA 2622116 A 20080227; FR 0701427 A 20070228; US 3860408 A 20080227