

Title (en)

Process for optimizing the flow in multistage turbomachines

Title (de)

Verfahren zur Strömungsoptimierung in mehrstufigen Turbomaschinen

Title (fr)

Procédé pour optimiser l'écoulement dans des turbomachines multi-étages

Publication

**EP 1724440 B1 20080806 (DE)**

Application

**EP 05010100 A 20050510**

Priority

EP 05010100 A 20050510

Abstract (en)

[origin: EP1724440A1] The method involves optimizing an inflow of a third of three consecutive blade rings. Appropriate operating parameters are ascertained or predefined to select an operating state of a turbine-type machine. A tolerance angle is determined in the operating state. Positions or geometries of blade profiles of one of the three blade rings, situated at a certain blade height, are modified until the tolerance angle is within a predefined tolerance angle.

IPC 8 full level

**F01D 5/14** (2006.01)

CPC (source: EP US)

**F01D 5/142** (2013.01 - EP US); **F05D 2270/10** (2013.01 - EP US)

Cited by

EP2071127A1; FR2925106A1; US8083476B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 1724440 A1 20061122**; **EP 1724440 B1 20080806**; DE 502005004938 D1 20080918; ES 2310307 T3 20090101; US 2006257238 A1 20061116; US 7758297 B2 20100720

DOCDB simple family (application)

**EP 05010100 A 20050510**; DE 502005004938 T 20050510; ES 05010100 T 20050510; US 43136506 A 20060510