

Title (en)

Blade to blade connection in a turbomachine

Title (de)

Laufschaufelbindung einer Turbomaschine

Title (fr)

Dispositif de connexion pour les aubes de rotor d'une turbomachine

Publication

**EP 1515001 A3 20120704 (DE)**

Application

**EP 04104236 A 20040902**

Priority

DE 10342207 A 20030912

Abstract (en)

[origin: EP1515001A2] A method for fitting turbine blades has the blades secured into support blocks (2) arranged around the turbine and linked by thrust faces (4). A thrust element (8) is fitted into one end of each block and presents a flat thrust surface (13) to the adjacent block. Each thrust element has a spherical profile fitted into a correspondingly spherical recess to provide automatic tilt adjustment. The adjacent block can be fitted with a fixed flat thrust surface, either as an inlay or as a fixed thrust element secured into a conical recess.

IPC 8 full level

**F01D 5/22** (2006.01)

CPC (source: EP US)

**F01D 5/22** (2013.01 - US); **F01D 5/225** (2013.01 - EP); **F05D 2250/232** (2013.01 - EP US); **F05D 2250/241** (2013.01 - EP US); **F05D 2260/96** (2013.01 - EP US)

Citation (search report)

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- [X] JP H01152003 U 19891019
- [I] US 4257743 A 19810324 - FUJII MICHINOBU
- [I] DE 3211073 A1 19831006 - KRAFTWERK UNION AG [DE]
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- [Y] EP 0202531 A1 19861126 - GUTEHOFFNUNGSHUETTE MAN [DE]
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- [A] JP S6149103 A 19860311 - TOSHIBA CORP

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EP2116693A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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**EP 04104236 A 20040902**; CN 200410075230 A 20040913; DE 10342207 A 20030912; JP 2004261398 A 20040908; US 93657504 A 20040909; ZA 200407296 A 20040910