

Title (en)

Steam turbine with a single stage high pressure module

Title (de)

Dampfturbine mit einem einstufigen Hochdruckmodul

Title (fr)

Turbine à vapeur comportant un module haute pression à un seul étage d'ailettes

Publication

EP 1473438 A3 20041110 (FR)

Application

EP 04290986 A 20040413

Priority

FR 0304815 A 20030417

Abstract (en)

[origin: EP1473438A2] The turbine has a high pressure body (2) including a single stage of wings (20) mounted on a shaft (21). The shaft is maintained by a bearing block (210), and is directly coupled to a shaft (40) of a speed-reduction gear (4). The wings have a profile with channels converging then diverging from an input towards an output. A ratio of pressure between the input and output ranges from 3 to 20.

IPC 1-7

F01D 1/04; **F01D 15/10**

IPC 8 full level

F01D 1/04 (2006.01); **F01D 15/10** (2006.01)

CPC (source: EP US)

F01D 1/04 (2013.01 - EP US); **F01D 15/10** (2013.01 - EP US); **F05D 2250/323** (2013.01 - EP US); **F05D 2250/324** (2013.01 - EP US)

Citation (search report)

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- [A] US 1494850 A 19240520 - FRANZ LOSEL
- [A] FR 1159936 A 19580703 - WORTHINGTON CORP
- [YA] GB 191360 A 19230517 - RATEAU SOC
- [A] US 4815931 A 19890328 - LINCK KLAUS [DE], et al
- [A] DE 29902285 U1 19990415 - SCHELL OTTO [DE]
- [A] US 1925147 A 19330905 - ALF LYSHOLM

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 04290986 A 20040413; FR 0304815 A 20030417; US 82301604 A 20040413