

Title (en)

Rotor blade of a first phase of a vapor turbine with a fork foot and covering belt

Title (de)

Rotorblatt einer ersten Phase einer Dampfturbine mit Gabelfuß und Abdeckriemen

Title (fr)

Pale de rotor d'une première phase d'un moteur à vapeur avec pied en forme de fourchette et ceinture de recouvrement

Publication

EP 1862642 A3 20090325 (EN)

Application

EP 07108516 A 20070521

Priority

IT MI20061064 A 20060531

Abstract (en)

[origin: EP1862642A2] A rotor for traction engines, in particular of a first phase of a vapor turbine, comprising a series of blades (12) arranged circumferentially on the rotor by the interposition of a base portion (18) formed in a single piece with the blades (12), on the opposite portion of the blades (12) with respect to the base portion (18), one or more covering belts (24) also being envisaged which group the blades (12) of the rotor in packs. The blades (12) and the covering belts (24) are coupled by the riveting of pins (26) integrated with the blades (12), and the coupling between the base portion or foot (18) of the blades (12) and the main body or disk (22) of the rotor is effected by fork insertion in the radial direction of the rotor.

IPC 8 full level

F01D 5/22 (2006.01); **F01D 5/30** (2006.01)

CPC (source: EP KR US)

F01D 5/22 (2013.01 - KR); **F01D 5/225** (2013.01 - EP US); **F01D 5/28** (2013.01 - KR); **F01D 5/30** (2013.01 - KR); **F01D 5/3053** (2013.01 - EP US); **F05D 2220/31** (2013.01 - EP US); **F05D 2260/36** (2013.01 - EP US)

Citation (search report)

- [X] EP 1331362 A2 20030730 - TOSHIBA KK [JP]
- [X] US 5299915 A 19940405 - DINH CUONG V [US], et al

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US8974187B2; WO2010000228A3

Designated contracting state (EPC)

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