

Title (en)

Tip cover of a steam turbine for the drainage of water droplets

Title (de)

Deckband einer Dampfturbine zur Drainage von Wassertropfen

Title (fr)

Virole d'une turbine à vapeur pour le drainage des gouttelettes d'eau

Publication

EP 2617951 A2 20130724 (EN)

Application

EP 13151786 A 20130118

Priority

JP 2012008849 A 20120119

Abstract (en)

A steam turbine includes: a turbine rotor shaft; a plurality of blades that are provided on the turbine rotor shaft and are rotated by a steam flow; tip covers that are attached to tip ends of the respective blades and are connected to and in contact with one another; at least one water drip fin that is provided along a circumferential direction at the tip cover, and outwardly extends in a radial direction of each of the blades; and a diaphragm outer ring that is disposed at an outer circumferential side from each of the blades, and has a drain catcher opposed to a tip end portion of the water drip fin, wherein the tip cover is provided with a leading edge that is formed at a downstream side in an axial direction from a leading edge of the blade or at a position in the axial direction corresponding to the leading edge of the blade in the axial direction.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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Designated extension state (EPC)

BA ME

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