

Title (en)

Steam turbine stationary blade and corresponding steam turbine

Title (de)

Leitschaufel einer Dampfturbine und zugehörige Dampfturbine

Title (fr)

Aube directrice de turbine à vapeur et turbine à vapeur associée

Publication

EP 2692990 B1 20181107 (EN)

Application

EP 13178438 A 20130730

Priority

JP 2012167902 A 20120730

Abstract (en)

[origin: EP2692990A2] The present invention is a steam turbine comprising a turbine stage having a stationary blade (1) and a moving blade (2) provided on the downstream side of the stationary blade in a working fluid flow direction, wherein the stationary blade (1) is formed in a hollow blade shape by deformation processing a metal plate, and wherein a slit (24) to guide liquid droplets deposited on a blade wall surface to the inside of the blade is formed in the blade wall by overlaying an airfoil suction-side metal plate (20) and an airfoil pressure-side metal plate (21) with a gap therebetween in a blade tail part (8) of the stationary blade (1).

IPC 8 full level

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CPC (source: EP US)

F01D 5/28 (2013.01 - US); **F01D 25/32** (2013.01 - EP US); **F01D 5/147** (2013.01 - EP US); **F05D 2240/122** (2013.01 - EP US)

Cited by

US10145248B2; US10794196B2; US11203941B2; EP3591175A1; US11352908B1; US2022154586A1; US2022381157A1; US11719132B2; US11773753B2; EP2876264A1; US2015139812A1; EP3800331A1

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DOCDB simple family (publication)

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