

Title (en)

Steam turbine with an improved exhaust casing

Title (de)

Dampfturbine mit verbessertem Abdampfgehäuse

Title (fr)

Turbine à vapeur comportant un carter d'échappement amélioré

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2957729A1] The present invention relates to a steam turbine (100) with an improved exhaust casing (112). In one embodiment, the steam turbine (100) comprises a rotor (102) fitted with moving blades (104). The steam turbine (100) comprises an exhaust casing (112) enclosing a portion of the rotor (102) and stationary blades (108A) which form one or more blade stages (110A) with one or more of the moving blades (104) fitted on the portion of the rotor (102). The exhaust casing (112) comprises a first chamber (114) in communication with hot portion of blade stages (122), and a second chamber (116) connected to cold portion of blade stages (124) that is in direction of steam flow (120) and arranged after the hot portion of blade stages (122). The exhaust casing (112) is provided with an insulation means (118) for thermally insulating the first chamber (114) from the second chamber (116).

IPC 8 full level

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CPC (source: EP)

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