Title (en)

STEAM TURBINE AND PROCESS FOR COOLING SUCH A STEAM TURBINE

Title (de)

DAMPFTURBINE SOWIE VERFAHREN ZUM KÜHLEN EINER SOLCHEN

Title (fr)

TURBINE À VAPEUR ET PROCÉDÉ POUR REFROIDIR UNE TURBINE À VAPEUR

Publication

**EP 2598724 B1 20140604 (DE)**

Application

**EP 11740595 A 20110718**

Priority

- EP 10171447 A 20100730
- EP 2011062251 W 20110718
- EP 11740595 A 20110718

Abstract (en)

[origin: EP2412937A1] The turbine (1) has a flow duct (4) formed between a stator (2) and a rotor (3). Blades (33) of the rotor and guide vanes (23) of the stator are arranged alternately in the flow duct. A fresh steam feed line (5) feeds fresh steam into an inflow region (41) of the flow duct such that the fresh steam is circulated around the rotor blades and the guide vanes. A cooling steam feed line (6) feeds cooling steam into a region (34) of the rotor. A pressure compensation cross connection (7) is provided between the flow duct and the cooling steam feed line. An independent claim is also included for a method for cooling a steam turbine.

IPC 8 full level

**F01D 3/00** (2006.01); **F01D 25/08** (2006.01); **F01D 25/14** (2006.01)

CPC (source: EP)

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