

Title (en)

Cooled steam turbine rotor with inner tube

Title (de)

Gekühlter Dampfturbinenrotor mit Innenrohr

Title (fr)

Rotor de turbine à vapeur refroidi avec tube intérieur

Publication

**EP 1892376 B1 20130619 (DE)**

Application

**EP 06017819 A 20060825**

Priority

EP 06017819 A 20060825

Abstract (en)

[origin: EP1892376A1] The steam turbine (1) has a housing (2) and a rotatably supported rotor (3). The rotor has a delivery pipe (7) after a delivery layer (41), where the delivery pipe is provided for delivering the flow medium into an interior (8) of the rotor. A set of layers (4) is provided in a flow channel (5). The rotor is designed such that the rotor allows the flow medium to flow upstream (12) within the rotor to a turning point (11), and flow downstream after the turning point, and flow into the flow channel over an exhausting pipe (14).

IPC 8 full level

**F01D 5/08** (2006.01)

CPC (source: EP)

**F01D 5/085** (2013.01); **F05D 2220/31** (2013.01); **F05D 2260/2322** (2013.01)

Cited by

EP2573317A1; US8888436B2; US8899909B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1892376 A1 20080227**; **EP 1892376 B1 20130619**; PL 1892376 T3 20131129

DOCDB simple family (application)

**EP 06017819 A 20060825**; PL 06017819 T 20060825