

Title (en)

Safety design for a steam turbine

Title (de)

Sicherheitskonzept für eine Dampfturbine

Title (fr)

Concept de sécurité pour une turbine à vapeur

Publication

EP 2067933 A3 20110105 (DE)

Application

EP 07017132 A 20070831

Priority

EP 07017132 A 20070831

Abstract (en)

[origin: EP2067933A2] The steam turbine (1) is cooled through an external coolant vapor channel (14). A lateral channel (21) with a valve (23) is between the coolant channel and the fresh steam feed (10). The valve opens on an abrupt pressure loss, for the coolant to flow with a high pressure into an inflow zone.

IPC 8 full level

F01D 25/12 (2006.01); **F01K 13/00** (2006.01)

CPC (source: EP)

F01D 25/12 (2013.01); **F01D 25/26** (2013.01); **F01K 13/006** (2013.01); **F05D 2220/31** (2013.01); **F05D 2260/2322** (2013.01)

Citation (search report)

- [X] EP 1674669 A1 20060628 - SIEMENS AG [DE]
- [A] DE 1034193 B 19580717 - ESCHER WYSS GMBH
- [A] US 4498301 A 19850212 - TSUBOUCHI KUNIYOSHI [JP]

Cited by

EP2412937A1; JP2015148232A; JP2013531182A; WO2012013531A1; CN114508393A; CN109826675A; CN106194284A; EP2518277A4; EP2565401A1; CN103764956A; CN103052768A; WO2013034377A1; US9416684B2

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2067933 A2 20090610; EP 2067933 A3 20110105; EP 2067933 B1 20111116; AT E533922 T1 20111215

DOCDB simple family (application)

EP 07017132 A 20070831; AT 07017132 T 20070831