

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

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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)

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