

Title (en)

Method and apparatus for warming up a steam turbine

Title (de)

Verfahren und Vorrichtung zum Aufwärmen einer Dampfturbine

Title (fr)

Procédé et dispositif pour le préchauffage d'une turbine à vapeur

Publication

**EP 1674667 A1 20060628 (DE)**

Application

**EP 04030351 A 20041221**

Priority

EP 04030351 A 20041221

Abstract (en)

The method involves transmitting fluid into a steam turbine via a steam pipeline. An inner surface and an outer surface of an outer housing (3) of the turbine are synchronously heated by a heating unit (6) such that a predetermined temperature gradient between an outer temperature of the outer surface and an inner temperature of the inner surface does not exceed a preset value. An alarm is activated when the gradient exceeds the value. Independent claims are also included for the following: (A) a control system for controlling the temperature behavior in a cylindrical component (B) an application of a control system in a steam turbine.

IPC 8 full level

**F01D 17/08** (2006.01); **F01D 19/02** (2006.01); **F01D 25/10** (2006.01); **F01D 25/14** (2006.01)

CPC (source: EP)

**F01D 17/085** (2013.01); **F01D 19/02** (2013.01); **F01D 25/10** (2013.01); **F01D 25/145** (2013.01)

Citation (search report)

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