

Title (en)

Method and device for controlling the condensator coolant water of a vapour stream vacuum pump

Title (de)

Verfahren und Vorrichtung zur Regelung des Kondensatorkühlwassers einer Dampfstrahlvakuumpumpe

Title (fr)

Procédé et dispositif de réglage de l'eau de refroidissement du condensateur d'une pompe à vide à jet de vapeur

Publication

EP 2295799 A3 20130821 (DE)

Application

EP 10006265 A 20100617

Priority

AT 13542009 A 20090828

Abstract (en)

[origin: EP2295799A2] The method involves measuring cooling water level of a condenser (1) in a measuring pot (9), where the measuring pot is mounted outside the condenser. The measured level is used as a measured variable for adjusting a delivery volume of a speed-controlled cooling water pump (8), where the speed-controlled cooling water pump conveys the cooling water through a return line (14) for treating the cooling water in a settling tank. The measuring pot comprises a pressure equalization line for ensuring interior pressure in the condenser. An independent claim is also included for a condenser cooling water pump controlling device comprising a measuring pot.

IPC 8 full level

F04B 23/14 (2006.01); **F04B 49/20** (2006.01); **F04D 13/12** (2006.01); **F04D 15/00** (2006.01); **F04F 5/52** (2006.01)

CPC (source: EP US)

F04B 23/14 (2013.01 - EP US); **F04B 49/20** (2013.01 - EP US); **F04F 5/52** (2013.01 - EP US)

Citation (search report)

- [Y] US 5611673 A 19970318 - AGATA AKIHIKO [JP]
- [Y] DE 102008008637 A1 20090813 - MAN TURBO AG [DE]
- [A] US 2140306 A 19381213 - BEALS ALBERT E
- [A] CN 2761897 Y 20060301 - GONGYI CHENGUANG VACUUM EQUIPM [CN]
- [A] GB 113524 A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 10006265 A 20100617; AT 13542009 A 20090828; CN 201010266143 A 20100826; JP 2010190347 A 20100827; US 87144210 A 20100830