

Title (en)

ADJUSTING A BIASING PRESSURE IN A DISTRICT THERMAL ENERGY GRID

Title (de)

EINSTELLUNG EINES VORSPANNDRUCKS IN EINEM FERNWÄRMENETZ

Title (fr)

RÉGLAGE DE LA PRESSION DE POLARISATION DANS UN RÉSEAU D'ÉNERGIE THERMIQUE URBAIN

Publication

**EP 4012271 A1 20220615 (EN)**

Application

**EP 20213728 A 20201214**

Priority

EP 20213728 A 20201214

Abstract (en)

A method (1000) for adjusting a biasing pressure in a district thermal energy grid (100) comprising a plurality of distribution pumps (110, 112, 106a, 106b, 106c), the method (1000) comprising: Determining (1002), for each distribution pump (110, 112, 106a, 106b, 106c), an Available Net Positive Suction Head,  $NPSH_{A}$ , for the respective distribution pump (110, 112, 106a, 106b, 106c); Identifying (1004) a risk distribution pump ( $110_{R}$ ,  $112_{R}$ ,  $106a_{R}$ ,  $106b_{R}$ ,  $106c_{R}$ ) among the plurality of distribution pumps (110, 112, 106a, 106b, 106c).

IPC 8 full level

**F24D 10/00** (2022.01); **F04D 13/14** (2006.01); **F04D 15/00** (2006.01); **F04D 15/02** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)

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Citation (applicant)

WO 2017076868 A1 20170511 - E ON SVERIGE AB [SE]

Citation (search report)

- [Y] CH 714273 A1 20190430 - HOCHSCHULE LUZERN TECHNIK & ARCHITEKTUR INST FUER GEBAEUDETECHNIK UND ENERGIE IGE [CH]
- [Y] US 5213477 A 19930525 - WATANABE MICHIO [JP], et al

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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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