

Title (en)

METHOD FOR CONTROLLING THE POWER CONSUMPTION IN A DISTRICT HEATING SYSTEM

Title (de)

VERFAHREN ZUR STEUERUNG DES ENERGIEVERBRAUCHS IN EINEM FERNWÄRMESYSTEM

Title (fr)

PROCÉDÉ PERMETTANT DE CONTRÔLER LA CONSOMMATION D'ÉNERGIE DANS UN RÉSEAU DE CHAUFFAGE URBAIN

Publication

EP 2649379 A4 20161207 (EN)

Application

EP 11845259 A 20111130

Priority

- SE 1051260 A 20101130
- SE 2011051455 W 20111130

Abstract (en)

[origin: WO2012074478A1] Method for controlling the power in a district heating network to which several properties (2) are connected, and is characterized in that the method comprises the steps a) to establish a certain group (6) of said properties (2), which properties comprise at least one sensor (38) for indoors temperature each and are associated with a respective lower temperature limit for the indoors temperature; b) for each of the properties in the certain group (6), to measure the indoors temperature in the property in question using said sensor (38) for indoors temperature and to establish a certain time value, constituting the expected time until the indoors temperature of the respective property reaches the respective lower temperature limit at a certain decreased heating power, which decreased power is lower than a certain respective normal power level; c) to calculate an expected total power in the district heating network during a future time period; and d) in case the said expected total power exceeds a predetermined value, during said time period only to distribute the respective decreased heating power to one or several of the properties in said group (6) for which the respective time value is larger than the length of the future time period, so that the total power no longer exceeds the predetermined value.

IPC 8 full level

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CPC (source: EP SE US)

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Citation (search report)

- [A] WO 2007136344 A1 20071129 - NODAIS AB [SE], et al
- [A] DE 19604189 A1 19970807 - GROSS MAREK DIPL ING [DE]
- [A] DE 19810320 A1 19981015 - TROUVAY & CAUVIN ETS [FR]
- See references of WO 2012074478A1

Cited by

EP3650762A1; FR3088414A1

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

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