

Title (en)

One-pipe heat supply system with flow regulation

Title (de)

Einrohriges Wärmezufuhrsystem mit Durchflussregulierung

Title (fr)

Système d'apport de chaleur à un seul tuyau avec régulation de débit

Publication

EP 2423607 A2 20120229 (EN)

Application

EP 11004694 A 20110609

Priority

DK PA201000504 A 20100610

Abstract (en)

System introducing the means to control the flow rate and of a heat exchanging fluid medium to a riser in a one-pipe system being a typical pipe set up in for example building cooperatives for supplying heat to the radiators of the flats. The control method being to regulate the temperature of the supplied heat exchanging fluid medium in response to changes in external parameters (temperature) and the flow rate in response to the temperature of the heat exchanging fluid medium in an return line.

IPC 8 full level

F24D 19/00 (2006.01); **F24D 19/10** (2006.01); **F24H 9/12** (2006.01)

CPC (source: EP US)

F24D 19/0007 (2013.01 - EP); **F24D 19/1009** (2013.01 - EP US)

Citation (applicant)

DE 10323981 B3 20050421 - DANFOSS AS [DK]

Cited by

US11391480B2; US11624524B2; US11092354B2; EP3263996A1; RU2667851C1; US11149976B2; US11644215B2

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)

WO 2011154003 A2 20111215; **WO 2011154003 A3 20120816**; CN 103154618 A 20130612; CN 103154618 B 20160907; EP 2423607 A2 20120229; EP 2423607 A3 20120704; RU 2011122941 A 20121220; RU 2480678 C2 20130427

DOCDB simple family (application)

DK 2011000057 W 20110608; CN 201180039335 A 20110608; EP 11004694 A 20110609; RU 2011122941 A 20110608