

Title (en)

Control system for a fluid tube network such as a central heating system

Title (de)

Steuerungssystem für ein Netzwerk aus Flüssigkeitsrohren wie z. B. ein Zentralheizungssystem

Title (fr)

Système de commande pour réseau de tube liquide tel qu' un système de chauffage central

Publication

EP 1862878 A2 20071205 (EN)

Application

EP 07108634 A 20070522

Priority

DK PA200600734 A 20060530

Abstract (en)

A system for controlling the flow of fluid in a tube network, for example a central heating system, the network comprising a fluid forward tube and a fluid return tube, between which there are provided a number of parallel tube strings to constitute parallel fluid circuits, - each string having a flow regulation valve for regulating the flow through the string, - each valve having a flow gauge for measuring the flow through the valve, - the system comprising a number of transmitters, wherein each of the flow gauges is connected to a transmitter and configured for transmission of measurement data from the transmitter, wherein the transmitter is configured for wireless transmission of the measured flow data together with a unique ID to a central computer for relating the received flow measurement to the corresponding valve, - the central computer being configured for receiving the measured flow data from the transmitters through wireless transmission, - wherein the central computer, preferably a handheld device, with a display for displaying data for control of the flow measurements and with a keypad for receiving user commands for the flow adjustment.

IPC 8 full level

F24D 19/10 (2006.01); **F24D 3/02** (2006.01); **G05D 7/06** (2006.01)

CPC (source: EP US)

F24D 19/1015 (2013.01 - EP US)

Citation (applicant)

- DE 10257621 A1 20040715 - SCHLEIFRING UND APPBAU GMBH [DE]
- WO 03001312 A1 20030103 - ABB OY [FI], et al
- WO 0171289 A1 20010927 - BROEN ARMATUR AS [DK], et al
- WO 2005088263 A1 20050922 - TOUR & ANDERSSON AB [SE], et al

Cited by

CN112859938A; CN107559926A; EP2426421A4; DE102021202800A1; EP3200041A1; CN106989278A; RU2669181C2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

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