

Title (en)

Equalizing method for a network of a non compressible fluid

Title (de)

Ausgleichsverfahren eines Netzes für eine nicht-komprimierbare Flüssigkeit

Title (fr)

Procédé d'équilibrage d'un réseau de distribution de fluide non compressible

Publication

EP 0795724 B1 20010905 (FR)

Application

EP 97420041 A 19970313

Priority

FR 9603416 A 19960314

Abstract (en)

[origin: EP0795724A1] The balancing of incompressible fluid flow rates in a two tube (flow and return) network with several diversion branches consists of breaking down the installation into elementary networks. Each of these has a main pressure regulator (2) and a pressure regulator (3) in each branch. Pressure tapplings are located either side the branch regulator and a third pressure tapping is located at a distance from these. Measurement of the flow rate in a particular branch is obtained by measuring the pressure difference either side the pressure regulator. The pressure difference obtained by measuring the third pressure tapping and one of the other two tapplings is also taken. From these pressure difference values the coefficient of hydraulic resistance (Z) of the branch is calculated. Coefficients are calculated for each branch in the same way.

IPC 1-7

F24D 19/10; **F17D 1/14**

IPC 8 full level

F17D 1/14 (2006.01); **F24D 19/10** (2006.01)

CPC (source: EP US)

F17D 1/14 (2013.01 - EP); **F24D 19/1015** (2013.01 - EP US)

Cited by

WO2016156556A1; FR2870927A1; EP2085707A3; CN103221750A; CN107326959A; CN113811719A; FR2903763A1; CN114637269A; FR2931226A1; CH705143A1; CN103842732A; RU2608280C2; EP2395288A1; FR2805622A1; EP2226575A3; CN103556681A; RU2646034C2; US7857233B2; WO2021013406A1; WO2005119129A1; WO2008028110A3; WO2012010127A3; WO2013000785A2; US9766633B2; US11365891B2; US9864383B2; US11047582B2; US11054150B2; WO2013000785A3; WO2016087057A1

Designated contracting state (EPC)

BE DE GB NL SE

DOCDB simple family (publication)

EP 0795724 A1 19970917; **EP 0795724 B1 20010905**; DE 69706458 D1 20011011; DE 69706458 T2 20020411; FR 2746168 A1 19970919; FR 2746168 B1 19980430

DOCDB simple family (application)

EP 97420041 A 19970313; DE 69706458 T 19970313; FR 9603416 A 19960314