

Title (en)

Method and device for controlling a liquid temperature

Title (de)

Verfahren und Anlage zur Regelung der Temperatur einer Flüssigkeit

Title (fr)

Méthode et dispositif pour contrôler une température de liquide

Publication

EP 0660049 B1 19990428 (EN)

Application

EP 94203768 A 19941227

Priority

NL 9302263 A 19931224

Abstract (en)

[origin: EP0660049A1] The invention relates to a method for controlling the temperature of a liquid supplied to a take-off point by a non-controllable heating appliance (2) by measuring the temperature of the liquid prior to the take-off point, admixing to the liquid flow from the heating appliance a second, colder liquid flow when the measured temperature exceeds a determined target value, wherein the quantity for admixing is continuously adapted. The liquid flows can be brought into mutual heat-transferring contact prior to mixing. The invention also relates to a device for performing the method provided with a first inlet conduit (3) for connecting to the heating appliance, a second inlet conduit (4) for connecting to a source (7) of colder liquid and having controllable shut-off means, a mixing chamber connected to the first and second inlet conduit, an outlet conduit connected to the mixing chamber and provided with means for measuring the temperature of the liquid flowing therethrough, and control means connected for transmitting signals to the shut-off means, wherein the temperature measuring means are connected for transmitting signals to the control means. The first (3) and second (4) inlet conduit of the control device can be mutually connected for heat transfer over a part of their length, in that a storage container (10) is arranged in one of the inlet conduits, the content of which container is greater than that of the associated inlet conduit, and the other inlet conduit is carried through the storage container. <IMAGE>

IPC 1-7

F24D 19/10; F24D 17/00; F24J 2/40

IPC 8 full level

F24D 17/00 (2006.01); **F24D 19/10** (2006.01)

CPC (source: EP US)

F24D 17/00 (2013.01 - EP); **F24D 19/1051** (2013.01 - EP US)

Cited by

EP2138774A3

Designated contracting state (EPC)

DE GR NL

DOCDB simple family (publication)

EP 0660049 A1 19950628; **EP 0660049 B1 19990428**; DE 69418166 D1 19990602; DE 69418166 T2 19990819; GR 3030138 T3 19990831; NL 9302263 A 19950717

DOCDB simple family (application)

EP 94203768 A 19941227; DE 69418166 T 19941227; GR 990401222 T 19990506; NL 9302263 A 19931224