

Title (en)
LIQUID SUPPLY SYSTEM WHEREIN LIQUID CIRCULATES VIA CONTINUOUS INNER TUBES

Title (de)
FLÜSSIGKEITSVERSORGUNG MIT ZIRKULATION ÜBER DURCHLAUFENDE INNENROHRE

Title (fr)
ALIMENTATION EN LIQUIDE DOTÉ D'UN SYSTÈME DE CIRCULATION PAR DES TUYAUX INTÉRIEURS CONTINUS

Publication
EP 2606285 B1 20170301 (DE)

Application
EP 11782534 A 20110816

Priority

- DE 102010034455 A 20100816
- DE 102011008721 A 20110117
- DE 2011001594 W 20110816

Abstract (en)
[origin: WO2012025095A2] The invention relates to a liquid supply system wherein liquid, such as for example, a supply of warm water, circulates. Said system consists of thick outer tubes, the inner chamber of said thick outer tubes allowing a liquid to flow through, a thin inner tube is respectively placed inside the outer tube in which the liquid can flow in the direction counter to that in the inner chamber. In the path of at least one outer tube, a first tube branch is introduced enabling the first inner tube to be withdrawn, and in said first branch, at least one functional component, such as a shut-off valve, is introduced into the inner tube and guided to a second tube branch in the path of an outer tube and extends further through said tube branch and then into the inner chamber of the latter outer tube.

IPC 8 full level
F24D 17/00 (2006.01)

CPC (source: EP US)
E03B 7/045 (2013.01 - EP US); **F17D 1/00** (2013.01 - US); **F24D 17/0084** (2013.01 - EP US); **Y10T 137/85954** (2015.04 - EP US); **Y10T 137/85978** (2015.04 - EP US); **Y10T 137/87338** (2015.04 - EP US); **Y10T 137/877** (2015.04 - EP US)

Cited by
DE102018102020A1; WO2019149591A1; US11486524B2

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

DOCDB simple family (publication)
WO 2012025095 A2 20120301; WO 2012025095 A3 20130307; DE 112011104210 A5 20130926; EP 2606285 A2 20130626; EP 2606285 B1 20170301; US 2013167956 A1 20130704; US 9032995 B2 20150519

DOCDB simple family (application)
DE 2011001594 W 20110816; DE 112011104210 T 20110816; EP 11782534 A 20110816; US 201113817080 A 20110816