

Title (en)

Temperature regulation for a microstructure evaporator for cooling liquids

Title (de)

Temperaturregelung für einen Mikrostrukturverdampfer zur Kühlung von Flüssigkeiten

Title (fr)

Réglage de la température pour un évaporateur à microstructure destiné au refroidissement de liquides

Publication

EP 2230476 A3 20140409 (DE)

Application

EP 10001550 A 20100216

Priority

DE 102009010329 A 20090225

Abstract (en)

[origin: EP2230476A2] The control has a manipulation element for manipulating a tempering fluid flow rate at which a microstructure evaporator i.e. counter-current heat exchanger (1), is operated. A temperature detection device is provided before an inlet (11) and an outlet (12) of the heat exchanger. The manipulation element is switchable or regulatable. The detection device has a temperature sensor for measurement or a bimetal element for monitoring of a temperature. The manipulation element has a flow valve for regulating flow resistance and/or a stop valve i.e. solenoid valve (6).

IPC 8 full level

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CPC (source: EP US)

F25B 41/24 (2021.01 - EP US); **F25B 49/02** (2013.01 - EP); **F28F 27/00** (2013.01 - EP US); **F25B 2600/2501** (2013.01 - EP); **F25B 2700/21171** (2013.01 - EP)

Citation (search report)

- [X] DE 10124501 A1 20021128 - KARLSRUHE FORSCHZENT [DE]
- [X] DE 102007063327 A1 20081002 - EUGSTER FRISMAG AG [CH]
- [X] WO 2008086838 A2 20080724 - EUGSTER FRISMAG AG [CH], et al

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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