Title (en)

DEVICE FOR MODIFYING THE TEMPERATURE OF A FLUID

Title (de)

EINRICHTUNG ZUR ÄNDERUNG DER TEMPERATUR EINES MEDIUMS

Title (fr)

DISPOSITIF POUR MODIFIER LA TEMPERATURE D'UN FLUIDE

Publication

EP 0968393 A1 20000105 (FR)

Application

EP 98912551 A 19980226

Priority

- FR 9800375 W 19980226
- FR 9702285 A 19970226

Abstract (en)

[origin: FR2760078A1] A used fluid passes through an exchange path (1), located in a fluid flow transfer (2), before returning for use (13) at a required temperature (TU2). In the transfer path (2) the exchange path (1) is set between the evaporator (6) and the condenser (8) of a refrigerating circuit (4). The refrigerating circuit (4) is actuated only when the temperature (TA1) of the transfer fluid, consisting for example of ambient air, is unsuitable for properly modifying the used fluid temperature by means of the exchange path (1). The used fluid can be heated by simply reversing the direction of the flow in the transfer path (2). The invention is useful for rearranging exchange paths (1, 6, 8) into a single transfer path (2), for example in a single bundle of tubes arranged in several tube layers of suitably connected tubes.

IPC 1-7

F25B 29/00; F28D 1/04; F28F 27/00

IPC 8 full level

B01D 3/00 (2006.01); **F25B 29/00** (2006.01); **F28B 1/06** (2006.01); **F28F 27/00** (2006.01)

CPC (source: EP US)

B01D 3/007 (2013.01 - EP US); **F25B 29/003** (2013.01 - EP US); **F28B 1/06** (2013.01 - EP US); **F28D 7/0083** (2013.01 - EP US); **F28F 27/00** (2013.01 - EP US); F28D 7/16 (2013.01 - EP US); F28D 2021/0031 (2013.01 - EP US); F28D 2021/0077 (2013.01 - EP US); F28F 1/32 (2013.01 - EP US)

Citation (search report)

See references of WO 9838464A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

FR 2760078 A1 19980828; **FR 2760078 B1 19990514**; AU 6734498 A 19980918; EP 0968393 A1 20000105; US 6205811 B1 20010327; WO 9838464 A1 19980903

DOCDB simple family (application)

FR 9702285 A 19970226; AU 6734498 A 19980226; EP 98912551 A 19980226; FR 9800375 W 19980226; US 38018099 A 19990826