

Title (en)

PROCESS FOR VENTING HEAT EXCHANGERS IN A FULLY AUTOMATIC MANNER

Title (de)

VERFAHREN ZUR VOLLAUTOMATISCHEN ENTLÜFTUNG VON WÄRMEAUSTAUSCHERN

Title (fr)

PROCEDE DE PURGE DE L'AIR ENTIEREMENT AUTOMATIQUE D'ECHANGEURS THERMIQUES

Publication

EP 0865602 B2 20061227 (DE)

Application

EP 96943099 A 19961212

Priority

- DE 19546276 A 19951212
- EP 9605565 W 19961212

Abstract (en)

[origin: WO9721972A1] A device is disclosed for ensuring the reliable operation of heat exchangers with several parallel elements through which flows a liquid for transferring heat between liquid and liquid/gaseous media. In order to vent in a fully automatic manner elements with vertical projections through which flows a liquid, in particular in counterflow-operated hydraulic circuits, the elements through which flows a liquid are designed in such a way that the flow differential pressure is higher by a factor of preferably ≥ 1.0 than the sum of the static pressures from the gas/liquid columns generated by the vertical projections in each path of flow, while respecting the process-dependent liquid mass flow.

IPC 8 full level

F28F 27/00 (2006.01)

CPC (source: EP)

F28F 27/00 (2013.01); **F28F 2265/18** (2013.01)

Cited by

DE202019103830U1; WO2021004763A1; DE102019124291B4

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 9721972 A1 19970619; AT E209771 T1 20011215; AU 1193697 A 19970703; BR 9611938 A 19991228; CA 2240134 A1 19970619; DE 19546276 A1 19970619; DE 59608330 D1 20020110; EP 0865602 A1 19980923; EP 0865602 B1 20011128; EP 0865602 B2 20061227; JP 2000502173 A 20000222

DOCDB simple family (application)

EP 9605565 W 19961212; AT 96943099 T 19961212; AU 1193697 A 19961212; BR 9611938 A 19961212; CA 2240134 A 19961212; DE 19546276 A 19951212; DE 59608330 T 19961212; EP 96943099 A 19961212; JP 52174397 A 19961212