

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  $\geq 1.0$  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)

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**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

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