

Title (en)
In-line integrated heat exchanger

Title (de)
In Reihen integrierte Wärmetauscher

Title (fr)
Echangeurs de chaleur intégrés en ligne

Publication
EP 0869325 A2 19981007 (EN)

Application
EP 98301908 A 19980313

Priority
JP 9824797 A 19970331

Abstract (en)
In order to reduce the extent to which the heat at the individual heat exchangers (2,7) that are provided in line with each other as an integrated unit (1) affects the other to prevent any reduction in the overall performance, in an in-line integrated heat exchanger (1) having a first heat exchanger (2) and a second heat exchanger (7) that are to fulfill different purposes provided in line with each other, at least either the inflow (6a) or the outflow ports (6b) in the two heat exchangers (2,7) are provided at a common position. This achieves almost identical heat distribution variations among the individual portions of the two heat exchangers (2,7). <IMAGE>

IPC 1-7
F28D 1/04

IPC 8 full level
F28F 1/00 (2006.01); **F28D 1/03** (2006.01); **F28D 1/04** (2006.01); **F28D 9/00** (2006.01); **F28F 3/00** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP)
F28D 1/0333 (2013.01); **F28D 1/0435** (2013.01); **F28D 1/05375** (2013.01); **F28D 2021/0082** (2013.01); **F28D 2021/0084** (2013.01); **F28D 2021/0094** (2013.01)

Citation (applicant)
JP H01247990 A 19891003 - CALSONIC CORP

Cited by
US2015129183A1; CN104675508A; FR3095037A1; CN113874672A; US7392837B2; WO2004053411A1; WO2020208119A1

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