

Title (en)  
In-line integrated heat exchanger

Title (de)  
In Reihen integrierte Wärmetauscher

Title (fr)  
Echangeurs de chaleur intégrés en ligne

Publication  
**EP 0869325 A3 19990609 (EN)**

Application  
**EP 98301908 A 19980313**

Priority  
JP 9824797 A 19970331

Abstract (en)  
[origin: EP0869325A2] 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 (search report)

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- [E] EP 0881450 A1 19981202 - ZEXEL CORP [JP]
- [E] EP 0857935 A2 19980812 - CALSONIC CORP [JP]
- [A] EP 0367078 A1 19900509 - SANDEN CORP [JP]
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