

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ECHANGEUR DE CHALEUR

Publication
EP 1256771 A4 20051109 (EN)

Application
EP 00912901 A 20000329

Priority
• JP 0001935 W 20000329
• JP 20435499 A 19990719

Abstract (en)
[origin: EP1256771A1] In two or more heat exchangers (1), (2) disposed in parallel on the windward and leeward in a ventilating direction, tubes (3) of the heat exchanger (1) disposed on the windward in the ventilating direction have a height (hc) smaller than a height (hr) of tubes (4) of the heat exchanger (2) disposed on the leeward (hc < hr), and the two or more heat exchangers are integrally configured with a common member. And, the respective tubes (3), (4) of the two or more heat exchangers (1), (2) disposed in parallel have substantially the same space between them.
<IMAGE>

IPC 1-7
F28D 1/053; **F28F 1/02**; **F28F 9/00**; **F25B 39/04**; **B60H 1/32**

IPC 8 full level
B60K 11/04 (2006.01); **B60H 1/32** (2006.01); **F25B 39/04** (2006.01); **F28D 1/03** (2006.01); **F28D 1/04** (2006.01); **F28F 1/12** (2006.01); **F28F 3/00** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP)
F28D 1/0435 (2013.01); **F28F 1/128** (2013.01)

Citation (search report)
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• [Y] US 5730213 A 19980324 - KISER CARL E [US], et al
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• [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 11 30 September 1999 (1999-09-30)
• [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 215 (M - 244) 22 September 1983 (1983-09-22)
• See references of WO 0106194A1

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Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1256771 A1 20021113; **EP 1256771 A4 20051109**; **EP 1256771 B1 20081022**; DE 60040620 D1 20081204; JP 2001033193 A 20010209; JP 3625259 B2 20050302; WO 0106194 A1 20010125

DOCDB simple family (application)
EP 00912901 A 20000329; DE 60040620 T 20000329; JP 0001935 W 20000329; JP 20435499 A 19990719