

Title (en)

Use of a countercurrent heat exchanger

Title (de)

Verwendung eines Gegenstromwärmetauschers

Title (fr)

Utilisation d'un échangeur de chaleur à contre-courant

Publication

EP 0803694 B1 20021016 (DE)

Application

EP 97103065 A 19970226

Priority

DE 29607547 U 19960426

Abstract (en)

[origin: EP0803694A2] The heat exchanger has a panel construction, and the airflow is guided in ducts between the panels, in directions which alternate between successive ducts. The direction of the airflow is diverted by guides (4), in order to choke the flow and to create turbulence. The guides may have surfaces (5) to deflect the airflow transversely, or through a predetermined angle, and these may have contoured sections with raised parts. The guides may be L-shaped, Z-shaped or may have a meandering path, and may have bent separating edges (8) which act as flanges (9) for successive panels to rest on.

IPC 1-7

F28D 9/00

IPC 8 full level

F28D 9/00 (2006.01)

CPC (source: EP)

F28D 9/0037 (2013.01); **F28F 2250/108** (2013.01)

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EP 0803694 A2 19971029; **EP 0803694 A3 19990303**; **EP 0803694 B1 20021016**; AT E226308 T1 20021115; DE 29607547 U1 19960718; DK 0803694 T3 20030217

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