

Title (en)
Heat transfer enhancing device.

Title (de)
Vorrichtung zur Erhöhung der Wärmeübertragung.

Title (fr)
Dispositif pour l'accroissement du transfert de chaleur.

Publication
EP 0275813 A1 19880727 (EN)

Application
EP 87630278 A 19871223

Priority
US 94734986 A 19861229

Abstract (en)
In a heat exchanger, a convoluted plate (106) disposed in a fluid stream flowing in an axial direction generates adjacent counterrotating, large scale axial vortices downstream thereof adjacent a wall (100) over which the fluid flows. The convoluted plate (106) is constructed to produce minimum pressure losses, while the vortices increase the heat transfer rate between the fluid and the wall (100).

IPC 1-7
F28F 13/12; **F28F 1/32**; **F28F 3/02**

IPC 8 full level
F28F 1/32 (2006.01); **F28F 3/02** (2006.01); **F28F 13/02** (2006.01); **F28F 13/12** (2006.01)

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F28F 1/32 (2013.01 - KR); **F28F 1/325** (2013.01 - EP); **F28F 3/02** (2013.01 - EP); **F28F 13/02** (2013.01 - EP); **F28F 13/12** (2013.01 - EP KR)

Citation (search report)
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