

Title (en)

Heat exchanger equipped with deflectors for optimised heat exchange

Title (de)

Wärmetauscher mit Ablenkplatten zur Optimierung des Wärmeaustauschs

Title (fr)

Echangeur de chaleur muni de déflecteurs pour optimiser l'échange de chaleur

Publication

EP 0897095 A3 19990519 (EN)

Application

EP 98202694 A 19980811

Priority

IT MI971942 A 19970814

Abstract (en)

[origin: EP0897095A2] Finned-tube heat exchanger, particularly for combined cycle power plants and the like, comprising a plurality of finned tubes (1) arranged in rows and flow deflectors (3) positioned between successive rows of said finned tubes (1), adjacent to said tubes, the distinctive feature of which consists in the fact that at least certain of said deflectors (3) comprise a plurality of vortex-generating elements (4) laid out on the surface of said deflectors (3), designed to generate vortexes with axes that are substantially parallel to the direction of flow of a fluid conveyed externally to pass over said finned tubes (1). <IMAGE>

IPC 1-7

F28F 13/06; **F28F 1/24**

IPC 8 full level

F28F 1/24 (2006.01); **F28F 13/06** (2006.01)

CPC (source: EP)

F28F 1/24 (2013.01); **F28F 13/06** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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