

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER

Title (fr)  
ECHANGEUR DE CHALEUR

Publication  
**EP 0901601 B1 19991215 (DE)**

Application  
**EP 97925886 A 19970523**

Priority  
• DE 9701091 W 19970523  
• DE 19623245 A 19960530

Abstract (en)  
[origin: DE19623245A1] The invention relates to a heat exchanger with a tube register through which a fluid to be cooled or heated is conveyed. The tube register is sprayed, in the same direction as the fluid, with water, and air flows therethrough in the opposite direction to the fluid. The tube register comprises parallel capillary tubes (1) which are folded in layers. The spaces between the capillary tubes are filled with foam (2), thereby producing a large heat exchange surface. Said heat exchanger is preferably used in cooling towers.

IPC 1-7  
**F28D 5/02**

IPC 8 full level  
**F28D 5/00** (2006.01); **F28D 5/02** (2006.01)

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Cited by  
DE102008034122A1; DE102008034122B4; CZ307896B6; DE102011112200A1

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