

Title (en)  
HEAT EXCHANGER

Publication  
**EP 0258253 B1 19910410 (EN)**

Application  
**EP 86903682 A 19860605**

Priority  
SE 8503013 A 19850618

Abstract (en)  
[origin: WO8607628A1] A heat exchanger and a method of making it, said heat exchanger being operated by a first medium and a second medium and comprising a tank (8) having an inlet chamber (9) and an outlet chamber (10) and containing said first medium, as well as a heat transfer pile (2) with tubes (3) for circulating said first medium, said tubes (3) having a U channel with an inlet (5) for connection to said inlet chamber (9) and an outlet (6) for connection to said outlet chamber (10), said heat transfer pile having fin units (4) arranged alternately with said tubes (3) and adapted to guide said second medium past said tubes. Each tube (3) is flat and closed as its one end portion (15) and has a longitudinal partition (7), the inner end of which extends to a point at a distance from the closed tube end (15), thereby to form said U channel. The tank (8) has pairs of connecting pieces and adhesive troughs for securing said tubes (3) to said tank (8), such that flanging of the tubes upon mounting is counteracted. Furthermore, the outer wall of the trough has adhesive passages.

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**F28D 1/03**

IPC 8 full level  
**B23P 15/26** (2006.01); **F28D 1/03** (2006.01); **F28D 1/04** (2006.01); **F28F 1/02** (2006.01)

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