

Title (en)  
Multi-tube heat exchanger

Title (de)  
Multiröhren-Wärmetauscher

Title (fr)  
Echangeur de chaleur multitubulaire

Publication  
**EP 0805331 A3 19980708 (EN)**

Application  
**EP 97302896 A 19970428**

Priority  
JP 13260096 A 19960430

Abstract (en)  
[origin: EP0805331A2] A multi-tube heat exchanger (100) includes a pair of tanks (1, 2) and a plurality of heat transfer tubes (3) fluidly interconnected between the tanks (1, 2), wherein each heat transfer tube (3) has a radially expanded portion (6) at least at one end portion engaging a tank wall (4 or 5) of a tank (1 or 2). Since a diameter contracted portion is not formed at a tube end portion, increase of pressure loss at a connecting portion of the tube end portion and a tank wall (4 or 5) can be prevented, thereby suppressing the pressure loss small as the whole of the heat exchanger (100) and ensuring a high performance of the heat exchanger (100). <IMAGE>

IPC 1-7  
**F28F 9/18**; **F28D 1/053**

IPC 8 full level  
**F28D 1/053** (2006.01); **F28F 9/18** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)  
**F28D 1/05341** (2013.01); **F28F 9/182** (2013.01)

Citation (search report)

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