

Title (en)  
HEAT-EXCHANGING FLAT TUBE

Title (de)  
FLACHROHRWÄRMETAUSCHER

Title (fr)  
TUBE APLATI POUR ÉCHANGEUR DE CHALEUR

Publication  
**EP 2485006 A1 20120808 (EN)**

Application  
**EP 10820633 A 20100930**

Priority  
• JP 2009228473 A 20090930  
• JP 2009297914 A 20091228  
• JP 2010067068 W 20100930

Abstract (en)  
To provide a flat tube for heat exchange that can ensure a target pressure-resisting strength and in which thinning is achieved. A flat tube (1) for heat exchange is a flat tube (1) for heat exchange in which plural through holes (3) with circular cross-sections through which refrigerant passes are arranged in one row. If  $t_1/R$  is a value in which a thickness  $t_1$  of partition portions (4) partitioning adjacent two of the through holes (3) has been made dimensionless by a radius  $R$  of the through holes (3) and  $t_2/R$  is a value in which an outer peripheral thickness  $t_2$  that is a thickness from a flat surface of an outer periphery of the flat tube (1) to the through holes (3) has been made dimensionless by the radius  $R$ , in a case where the internal pressure of the through holes (3) is 10.0 to 90.0 MPa, the relationship of  $0.28 < (t_2/R)/(t_1/R) < 0.42$  holds true.

IPC 8 full level  
**F28F 1/02** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP US)  
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Cited by  
EP3009779A1

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