

Title (en)

HEATING TUBE WITH INNER SURFACE GROOVES

Title (de)

HEIZROHR MIT GERILLTER INNERER OBERFLÄCHE

Title (fr)

TUBE CHAUFFANT MUNI DE RAINURES DE LA SURFACE INTERIEURE

Publication

EP 1271087 A1 20030102 (EN)

Application

EP 01917860 A 20010406

Priority

- JP 0103019 W 20010406
- JP 2000105836 A 20000407

Abstract (en)

Disclosed is an inner grooved heat transfer tube (10) having a line groove (11) in which is formed a deformed portion (13). In order to upgrade the performance of heat transmission by securing an action of scattering liquid refrigerant by the deformed portion (13) when used in a condenser, and in order to reduce the loss of pressure when used in an evaporator, conditions (e.g., the ratio of a main groove (12) to the deformed portion (13) of the line groove (11) and the angle and length of the main groove (12) and the deformed portion (13)) are specified so as to fall within predetermined ranges. <IMAGE>

IPC 1-7

F28F 1/40

IPC 8 full level

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CPC (source: EP)

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