

Title (en)

Device for optimizing the flow of refrigerant fluid fed to an evaporator of a refrigeration circuit and acting as an expansion noise level reducer

Title (de)

Als Entspannungsgeräuschpegeldämpfer wirkende Vorrichtung zur Optimierung des einem Kältekreislaufverdampfer zugeführten Kältemittelstromes

Title (fr)

Dispositif permettant d'optimiser l'écoulement de fluide frigorigène fourni à un évaporateur d'un circuit frigorifique et agissant comme réducteur de niveau de bruit d'expansion

Publication

**EP 0943879 B1 20040728 (EN)**

Application

**EP 99103641 A 19990225**

Priority

IT MI980200 U 19980320

Abstract (en)

[origin: EP0943879A2] A device for optimizing, within a refrigeration circuit, the flow of refrigerant fluid fed to an evaporator via an expansion member (1) and for reducing the expansion noise level comprises a body (10) constructed of porous material and positioned in correspondence with a free end (5) of said expansion member (1) along the refrigerant fluid path towards the evaporator within a containing tube (3) for said member (1) positioned at the entry to said evaporator, said body (10) containing at least a portion (7) of said free end (5) and being fixed within said tube (3).  
<IMAGE>

IPC 1-7

**F25B 41/06**

IPC 8 full level

**F25B 41/06** (2006.01)

CPC (source: EP US)

**F25B 41/37** (2021.01 - EP US); **F25B 2500/12** (2013.01 - EP)

Cited by

EP4141356A1; DE202006007921U1; EP1241418A1; EP1291593A3; FR2812076A1; WO2015050514A1; WO2014198555A1; WO0208677A1

Designated contracting state (EPC)

DE ES FR GB IT PT

DOCDB simple family (publication)

**EP 0943879 A2 19990922; EP 0943879 A3 20000322; EP 0943879 B1 20040728**; DE 69918885 D1 20040902; DE 69918885 T2 20050728; ES 2224472 T3 20050301; IT 243877 Y1 20020306; IT MI980200 U1 19990920; PT 943879 E 20041130

DOCDB simple family (application)

**EP 99103641 A 19990225**; DE 69918885 T 19990225; ES 99103641 T 19990225; IT MI980200 U 19980320; PT 99103641 T 19990225