

Title (en)
Evaporator for a compressor-refrigerator

Title (de)
Verdampfer für ein Kompressor-Kühlgerät

Title (fr)
Evaporateur pour un appareil frigorifique à compresseur

Publication
EP 0520309 B1 19960110 (DE)

Application
EP 92110195 A 19920617

Priority
DE 4120651 A 19910622

Abstract (en)
[origin: US5269158A] The characterizing features of the invention are that a guide tube is provided which is disposed at least partially outside the evaporator plate and partially in the suction tube, is directly or indirectly retained on the evaporator and has a somewhat larger internal diameter than the external diameter of the throttle/capillary tube and a substantially smaller external diameter than that of the internal diameter of the suction tube; the throttle/capillary tube is inserted in the guide tube from outside and the compressor side end zone of the internal generated surface of the guide tube is connected pressure-tight inside a first longitudinal portion of the coolant supply line disposed in the guide tube to the associated zone of the external generated surface of the throttle/capillary tube and terminates in the guide tube; and the guide tube forms a second longitudinal portion of the coolant supply line having a cross-section widened in comparison with the capillary flow cross-section, and the inside space of the guide tube determined by the widened second longitudinal portion is connected to the inlet zone of the coolant duct.

IPC 1-7
F25B 39/02; **F25B 41/06**

IPC 8 full level
F25B 39/02 (2006.01); **F25B 41/06** (2006.01); **F25B 40/00** (2006.01)

CPC (source: EP US)
F25B 39/024 (2013.01 - EP US); **F25B 41/37** (2021.01 - EP US); **F25B 40/00** (2013.01 - EP US); **F25B 2400/052** (2013.01 - EP US); **F25B 2400/054** (2013.01 - EP US); **F25B 2500/01** (2013.01 - EP US)

Cited by
US2023160614A1

Designated contracting state (EPC)
CH DE DK ES FR IT LI SE

DOCDB simple family (publication)
US 5269158 A 19931214; BR 9202354 A 19930126; CA 2071761 A1 19921223; DE 4120651 A1 19930114; DE 59204980 D1 19960222; DE 59208763 D1 19970904; DE 9116265 U1 19920903; DK 0520309 T3 19960610; DK 0629824 T3 19980223; EP 0520309 A1 19921230; EP 0520309 B1 19960110; EP 0629824 A1 19941221; EP 0629824 B1 19970730; ES 2084875 T3 19960516; ES 2105444 T3 19971016; FI 922881 A0 19920618; FI 922881 A 19921223; JP H05180535 A 19930723; NO 176456 B 19941227; NO 176456 C 19950405; NO 922427 D0 19920619; NO 922427 L 19921223; TR 26063 A 19941215

DOCDB simple family (application)
US 90014692 A 19920617; BR 9202354 A 19920622; CA 2071761 A 19920622; DE 4120651 A 19910622; DE 59204980 T 19920617; DE 59208763 T 19920617; DE 9116265 U 19910622; DK 92110195 T 19920617; DK 94113040 T 19920617; EP 92110195 A 19920617; EP 94113040 A 19920617; ES 92110195 T 19920617; ES 94113040 T 19920617; FI 922881 A 19920618; JP 16296792 A 19920622; NO 922427 A 19920619; TR 56792 A 19920622