

Title (en)
Wire-and-tube condenser for refrigeration appliances

Title (de)
Draht-auf-Rohr-Verflüssiger für Kältegeräte

Title (fr)
Condenseur à tubes et fils métalliques pour appareils frigorifiques

Publication
EP 1460357 A3 20041006 (EN)

Application
EP 04002532 A 20040301

Priority
IT PN20030022 A 20030317

Abstract (en)
[origin: EP1460357A2] Wire-and-tube condenser, which is exposed to vibrations coming from the compressor, comprises a tubular coil (10) defining a plurality of rectilinear tubular sections (12) that extend parallel to each other, are fluidly joined to each other by curved portions (14) and are connected to each other by means of a plurality of rigid metal wires (16), which are welded in an orthogonal direction to both sides of said rectilinear tubular sections. <??>At least a portion of the tube coil (10) is provided with a further curved section (24), which is inserted, and held securely in place by press-fitting, between the wires (16) welded to the rectilinear tubular sections (12). <IMAGE>

IPC 1-7
F25B 39/04; **F28F 1/12**

IPC 8 full level
F25B 39/04 (2006.01); **F28D 1/047** (2006.01); **F28F 1/12** (2006.01)

CPC (source: EP)
F25B 39/04 (2013.01); **F28D 1/0477** (2013.01); **F28F 1/122** (2013.01); **F25B 2500/13** (2013.01); **F28D 2021/007** (2013.01)

Citation (search report)
• [DA] US 2667762 A 19540202 - HORNADAY JAMES R
• [A] GB 1175161 A 19691223 - DANFOSS AS [DK]
• [A] GB 270148 A 19270505 - RICHARD GODFREY CRITTALL, et al
• [A] GB 886234 A 19620103 - ENGLISH ELECTRIC CO LTD

Cited by
CN103017421A; CN102138047A; DE102007023672A1; DE102007023696A1; DE102007023696B4; CN103673407A; WO2010089214A2; DE102011079762A1; WO2013013997A1; WO2008028788A1; WO2010089214A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1460357 A2 20040922; **EP 1460357 A3 20041006**; **EP 1460357 B1 20060524**; AT E327484 T1 20060615; DE 602004000934 D1 20060629; IT PN20030022 A1 20040918; PL 1460357 T3 20060929

DOCDB simple family (application)
EP 04002532 A 20040301; AT 04002532 T 20040301; DE 602004000934 T 20040301; IT PN20030022 A 20030317; PL 04002532 T 20040301