

Title (en)

An apparatus for supplying refrigerated fluid

Title (de)

Vorrichtung zum Zuführen einer gekühlten Flüssigkeit

Title (fr)

Appareil destiné à alimenter en fluide réfrigéré

Publication

**EP 3054240 A1 20160810 (EN)**

Application

**EP 15153912 A 20150205**

Priority

EP 15153912 A 20150205

Abstract (en)

An apparatus (1) for supplying refrigerated fluid, comprising a compressor (2) for compressing a refrigerant fluid, a condenser (3) for condensing the compressed refrigerant fluid, an expansion valve (4) for expanding the condensed refrigerant fluid, an evaporator (5) that allows the expanded refrigerant fluid to cool a fluid entering through an inlet pipe (IN) for delivering a refrigerated fluid to an outlet pipe (OUT), characterised in that it comprises a branch (6) connected in parallel to the expansion valve (4), the branch (6) comprises a valve (7) in fluid communication with the condenser (3) and a capillary tube (8) in fluid communication with the valve (7), the valve (7) is configured to be set in an open configuration and in a closed configuration, the open configuration allows the flow of refrigerant fluid through the capillary tube (8) to put the evaporator (5) in fluid communication with the capillary tube (8), the closed configuration prevents the flow of refrigerant fluid through the capillary tube (8).

IPC 8 full level

**F25B 49/02** (2006.01); **F25B 41/06** (2006.01)

CPC (source: EP US)

**F25B 41/37** (2021.01 - EP US); **F25B 41/385** (2021.01 - EP US); **F25B 49/02** (2013.01 - EP US); **F25B 2341/062** (2013.01 - EP); **F25B 2341/0683** (2013.01 - EP); **F25B 2400/0411** (2013.01 - EP); **F25B 2600/2501** (2013.01 - EP)

Citation (search report)

- [XYI] EP 1462740 A2 20040929 - SANYO ELECTRIC CO [JP]
- [XYI] WO 2008036079 A2 20080327 - CARRIER CORP [US], et al
- [Y] US 2007151267 A1 20070705 - HATANO KOJI [JP], et al
- [I] CN 1438462 A 20030827 - UNIV SHANGHAI JIAOTONG [CN]
- [A] US 2006162377 A1 20060727 - COLLINGS DOUGLAS A [US]

Cited by

CN114935233A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3054240 A1 20160810**

DOCDB simple family (application)

**EP 15153912 A 20150205**