

Title (en)
A RECEIVER DRIER

Title (de)
SAMMLERTROCKNER

Title (fr)
SÉCHOIR DE RÉCEPTEUR

Publication
EP 3816541 A1 20210505 (EN)

Application
EP 19461598 A 20191030

Priority
EP 19461598 A 20191030

Abstract (en)
The receiver drier includes a tubular casing, a plug body, a filter body, a tubular element, an end cap and a disc. The tubular casing includes first and second open ends, first and second apertures. The plug body forms removable engagement with either one of first and second open ends. The filter body is connected to the plug body. The tubular element is connected to the filter body at a proximal end thereof and is eccentrically received within the tubular casing. The end cap closes open end opposite to either of the first and the second open ends closed by plug body. The disc is disposed at a distal end of the tubular element to define a first and a remaining section. The first section receives refrigerant through the tubular element. A portion of the tubular casing upstream of the end cap in the fluid flow direction grips the disc.

IPC 8 full level
F25B 39/04 (2006.01); **F25B 43/00** (2006.01); **F28D 1/053** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP)
F25B 39/04 (2013.01); **F25B 43/003** (2013.01); **F28D 1/05375** (2013.01); **F25B 2339/0441** (2013.01); **F25B 2500/01** (2013.01); **F28D 2021/0084** (2013.01); **F28F 9/02** (2013.01)

Citation (search report)
• [XAI] US 2006185385 A1 20060824 - FELDHAUS GEORG [DE], et al
• [A] DE 10338526 A1 20040311 - BEHR GMBH & CO KG [DE]
• [A] US 2006060327 A1 20060323 - YU WEN F [US], et al

Cited by
EP4317882A1; WO2024028052A1

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 3816541 A1 20210505; EP 3816541 B1 20230104

DOCDB simple family (application)
EP 19461598 A 20191030