

Title (en)  
LINEAR COMPRESSOR FOR REFRIGERATION APPLIANCE AND REFRIGERATION SYSTEM

Title (de)  
LINEARER KOMPRESSOR FÜR KÜHLGERÄT UND KÜHLANLAGE

Title (fr)  
COMPRESSEUR LINÉAIRE POUR APPAREIL DE RÉFRIGÉRATION ET SYSTÈME DE RÉFRIGÉRATION

Publication  
**EP 4036406 A4 20220831 (EN)**

Application  
**EP 20868244 A 20200924**

Priority  
• US 201916583681 A 20190926  
• CN 2020117284 W 20200924

Abstract (en)  
[origin: US2021095652A1] A sealed system, as provided herein, may include a linear compressor, a shell, and a condenser. The linear compressor may include a casing and a piston. The casing may extend along an axial direction from a first end portion to a second end portion. The casing may include a cylinder assembly defining a chamber proximal to the second end portion. The piston may be slidably received within the chamber of the cylinder assembly. The shell may define an internal volume enclosing the linear compressor and lubrication oil therein. The condenser may be in downstream fluid communication with the linear compressor to receive a compressed refrigerant therefrom.

IPC 8 full level  
**F04B 35/04** (2006.01); **F04B 39/02** (2006.01); **F04B 39/12** (2006.01); **F04B 39/16** (2006.01); **F25B 31/00** (2006.01); **F25B 31/02** (2006.01)

CPC (source: EP US)  
**F04B 35/045** (2013.01 - EP US); **F04B 39/023** (2013.01 - EP); **F04B 39/0261** (2013.01 - EP); **F04B 39/0292** (2013.01 - EP US); **F04B 39/041** (2013.01 - US); **F04B 39/12** (2013.01 - EP); **F04B 39/16** (2013.01 - EP); **F04B 49/065** (2013.01 - US); **F25B 31/004** (2013.01 - US); **F25B 31/023** (2013.01 - EP); **F04B 39/0261** (2013.01 - US); **F04B 39/12** (2013.01 - US); **F25B 31/004** (2013.01 - EP); **F25B 2400/073** (2013.01 - EP)

Citation (search report)  
[A] US 2017211869 A1 20170727 - BARITO THOMAS ROBERT [US], et al

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)  
**US 2021095652 A1 20210401**; CN 114466974 A 20220510; CN 114466974 B 20240322; EP 4036406 A1 20220803; EP 4036406 A4 20220831; EP 4036406 B1 20240529; WO 2021057827 A1 20210401

DOCDB simple family (application)  
**US 201916583681 A 20190926**; CN 2020117284 W 20200924; CN 202080067367 A 20200924; EP 20868244 A 20200924