

Title (en)

HOUSEHOLD APPLIANCE WITH A COMPRESSOR CONTAINING A REED VALVE

Title (de)

HAUSHALTSGERÄT MIT EINEM KOMPRESSOR MIT MEMBRANVENTIL

Title (fr)

APPAREIL DOMESTIQUE DOTÉ D'UN COMPRESSEUR CONTENANT UNE SOUPAPE À LAMES

Publication

EP 4098171 A3 20230104 (EN)

Application

EP 22168862 A 20220419

Priority

EP 21382446 A 20210514

Abstract (en)

The invention relates to a household appliance with a compressor 1 containing a reed valve 4,19, wherein the reed valve 4,19 is a serrated reed valve 4 and/or a valve seat 17 comprises a turbulence reducing structure selected from the group consisting of a porous material, a protuberance or a valve seat serration.

IPC 8 full level

A47L 15/00 (2006.01); **D06F 58/00** (2020.01); **F04B 39/10** (2006.01); **F04C 18/32** (2006.01); **F04C 29/12** (2006.01)

CPC (source: CN EP)

F04B 39/10 (2013.01 - CN); **F04B 39/1073** (2013.01 - CN EP); **F04B 39/1086** (2013.01 - CN); **F04C 18/322** (2013.01 - EP); **F04C 18/3441** (2013.01 - CN); **F04C 29/06** (2013.01 - CN); **F04C 29/128** (2013.01 - EP); **A47L 15/4291** (2013.01 - EP); **D06F 25/00** (2013.01 - EP); **D06F 58/206** (2013.01 - EP)

Citation (search report)

- [XA] US 2004035468 A1 20040226 - SHIM JAE-SUL [KR]
- [XA] US 5857839 A 19990112 - FISHER IAN ARTHUR [US], et al
- [A] US 5074768 A 19911224 - KAWAMURA HISATO [JP], 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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4098171 A2 20221207; **EP 4098171 A3 20230104**; CN 115342046 A 20221115

DOCDB simple family (application)

EP 22168862 A 20220419; CN 202210510781 A 20220511