

Title (en)
REFRIGERATION SYSTEM AND METHOD

Title (de)
KÜHLSYSTEM UND -VERFAHREN

Title (fr)
SYSTÈME ET PROCÉDÉ DE RÉFRIGÉRATION

Publication
EP 3396278 A1 20181031 (EN)

Application
EP 17168713 A 20170428

Priority
EP 17168713 A 20170428

Abstract (en)
The present invention provides a refrigeration system (100). The refrigeration system (100) comprises a heat exchanger (15) configured to adjust a predetermined temperature of a gas mixture (30) within a compartment (2), wherein the heat exchanger (15) comprises a plurality of first vibration actuators (11, 12, 13, 14) and wherein the plurality of the first vibration actuators (11, 12, 13, 14) is configured to excite the gas mixture (30) with a first frequency. The compartment (2) comprises a plurality of second vibration actuators (21, 22, 23, 24), wherein the plurality of the second vibration actuators (21, 22, 23, 24) is configured to envelope the said excited gas mixture (30) of the first frequency with a second frequency within the compartment (2). The present invention further provides a corresponding method.

IPC 8 full level
F25D 17/06 (2006.01); **F04D 33/00** (2006.01); **F04F 7/00** (2006.01)

CPC (source: EP)
F04B 35/04 (2013.01); **F04D 33/00** (2013.01); **F04F 7/00** (2013.01); **F25D 17/06** (2013.01)

Citation (applicant)
US 4009591 A 19770301 - HESTER WILLIAM F

Citation (search report)

- [X1] JP S6287700 A 19870422 - MISUZU ERIE KK
- [X1] DE 102011082063 A1 20130307 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [A] JP S59152374 U 19841012

Cited by
CN110530089A

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 3396278 A1 20181031; **EP 3396278 B1 20210818**; TR 201707508 A3 20181221

DOCDB simple family (application)
EP 17168713 A 20170428; TR 201707508 A 20170523