

Title (en)

HEAT DISSIPATION ASSEMBLY FOR LINEAR COMPRESSOR

Title (de)

WÄRMEABLEITUNGSANORDNUNG FÜR LINEARVERDICHTER

Title (fr)

ENSEMBLE DE DISSIPATION DE CHALEUR POUR COMPRESSEUR LINÉAIRE

Publication

EP 4206466 A4 20240103 (EN)

Application

EP 21876954 A 20210927

Priority

- US 202017064725 A 20201007
- CN 2021121000 W 20210927

Abstract (en)

[origin: US2022106953A1] A linear compressor includes a housing defining a sump for collecting a lubricant and a pump for circulating the lubricant within the housing. A heat dissipation assembly includes a distribution conduit that is fluidly coupled to a hot oil collection point and defines a plurality of discharge ports for distributing the lubricant along the housing and back into the sump. A flow restricting member may be positioned under or wrapped around the distribution conduit to restrict the flow of lubricant.

IPC 8 full level

F04B 35/04 (2006.01); **F04B 39/02** (2006.01); **F04B 39/06** (2006.01); **F25B 31/00** (2006.01)

CPC (source: EP KR US)

F04B 35/045 (2013.01 - EP KR); **F04B 39/0223** (2013.01 - US); **F04B 39/023** (2013.01 - EP KR); **F04B 39/0261** (2013.01 - EP); **F04B 39/0269** (2013.01 - US); **F04B 39/06** (2013.01 - EP KR US); **F25B 31/006** (2013.01 - KR); **F25D 23/003** (2013.01 - KR US); **F25B 31/006** (2013.01 - EP)

Citation (search report)

- [I] US 4569639 A 19860211 - HANNIBAL BILLY B [US], et al
- [A] US 3454213 A 19690708 - VALBJORN KNUD VAGN
- [A] FR 1156042 A 19580512
- See references of WO 2022073436A1

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)

US 2022106953 A1 20220407; CN 116324163 A 20230623; EP 4206466 A1 20230705; EP 4206466 A4 20240103; KR 20230058719 A 20230503; WO 2022073436 A1 20220414

DOCDB simple family (application)

US 202017064725 A 20201007; CN 2021121000 W 20210927; CN 202180068479 A 20210927; EP 21876954 A 20210927; KR 20237011720 A 20210927