

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 A1 20230705 (EN)**

Application

**EP 21876954 A 20210927**

Priority

- US 202017064725 A 20201007
- CN 2021121000 W 20210927

Abstract (en)

A linear compressor (100) and a heat dissipation assembly (230) therefore. The linear compressor (100) includes a housing (102) defining a sump for collecting a lubricant and a pump (206) for circulating the lubricant within the housing. The liner compressor further comprises a heat dissipation assembly (230) , wherein the heat dissipation assembly (230) is arranged in a cavity (108) and is conducive to promoting the discharge of thermal energy from the cavity (108) to the exterior of the housing (102) The heat dissipation assembly (230) includes a distribution conduit (240) and a flow limitation member (270) . The distribution conduit (240) is fluidly coupled to a hot oil collection point (232) and defines a plurality of discharge ports for distributing the lubricant (204) along the housing (102) and back into the sump (202) . A flow restricting member (240) may be positioned under or wrapped around the distribution conduit (240) to restrict the flow of lubricant (204) .

IPC 8 full level

**F04B 35/04** (2006.01); **F04B 39/06** (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)

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