

Title (en)

LINEAR COMPRESSOR AND INTERNAL COLLISION BUFFERING

Title (de)

LINEARVERDICHTER UND INTERNE KOLLISIONSPUFFERUNG

Title (fr)

COMPRESSEUR LINÉAIRE ET AMORTISSEMENT DE COLLISION INTERNE

Publication

EP 4230867 A4 20240221 (EN)

Application

EP 21893976 A 20211118

Priority

- US 202016952706 A 20201119
- CN 2021131455 W 20211118

Abstract (en)

[origin: US2022154714A1] A linear compressor or method of operation may provide for driving a motor of the linear compressor to a reference current and detecting a sampled current during driving the motor. The linear compressor or method may also provide for calculating a variance in current using the sampled current, determining the calculated variance exceeds a variance threshold, and restricting the reference current based on determining the calculated variance exceeds the variance threshold.

IPC 8 full level

F04B 35/04 (2006.01); **F04B 49/06** (2006.01); **F04B 49/10** (2006.01)

CPC (source: EP US)

F04B 35/045 (2013.01 - EP); **F04B 49/06** (2013.01 - US); **F04B 49/065** (2013.01 - EP US); **F04B 49/10** (2013.01 - EP US); **F04B 49/12** (2013.01 - US); **F04B 53/16** (2013.01 - US); **F04B 35/045** (2013.01 - US); **F04B 2203/0401** (2013.01 - EP US)

Citation (search report)

[X1] JP 2004100640 A 20040402 - FUJI ELECTRIC SYSTEMS CO LTD

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

DOCDB simple family (publication)

US 2022154714 A1 20220519; CN 116490784 A 20230725; EP 4230867 A1 20230823; EP 4230867 A4 20240221; WO 2022105829 A1 20220527

DOCDB simple family (application)

US 202016952706 A 20201119; CN 2021131455 W 20211118; CN 202180077374 A 20211118; EP 21893976 A 20211118