

Title (en)  
OIL CONTROL FOR CLIMATE-CONTROL SYSTEM

Title (de)  
ÖLSTEUERUNG FÜR KLIMAREGELUNGSSYSTEM

Title (fr)  
COMMANDE D'HUILE POUR SYSTÈME DE RÉGULATION DU CLIMAT

Publication  
**EP 3899384 A4 20220928 (EN)**

Application  
**EP 19899943 A 20191219**

Priority  

- US 201862782014 P 20181219
- US 201816719347 A 20181219
- US 201916719491 A 20191218
- US 2019067652 W 20191219

Abstract (en)  
[origin: WO2020132352A1] Systems and methods for providing lubricant from a first compressor to a second compressor are provided. A control module receives a start command for a climate-control system having the first and second compressors, allows lubricant from the first compressor to flow into an inlet of the second compressor, turns the second compressor to an ON-mode, and prevents lubricant from the first compressor from flowing into the inlet of the second compressor after the second compressor has been in the ON-mode for a predetermined time period.

IPC 8 full level  
**F25B 49/02** (2006.01); **F25B 1/10** (2006.01); **F25B 5/02** (2006.01); **F25B 31/00** (2006.01); **F25B 31/02** (2006.01); **F25B 41/20** (2021.01); **F25B 41/30** (2021.01); **F25B 41/42** (2021.01); **F25B 43/02** (2006.01)

CPC (source: EP US)  
**F25B 1/10** (2013.01 - EP); **F25B 5/02** (2013.01 - EP); **F25B 31/004** (2013.01 - EP); **F25B 31/02** (2013.01 - EP); **F25B 41/20** (2021.01 - EP US); **F25B 41/30** (2021.01 - EP US); **F25B 41/42** (2021.01 - EP US); **F25B 43/02** (2013.01 - EP); **F25B 49/02** (2013.01 - EP); **F25B 2400/0751** (2013.01 - EP); **F25B 2500/16** (2013.01 - EP); **F25B 2600/0251** (2013.01 - EP); **F25B 2600/0261** (2013.01 - EP); **F25B 2600/23** (2013.01 - EP); **F25B 2600/2501** (2013.01 - EP); **F25B 2600/2513** (2013.01 - EP)

Citation (search report)  

- [Y] US 2008283133 A1 20081120 - SHAW DAVID N [US]
- [Y] US 6082132 A 20000704 - NUMOTO HIRONAO [JP], et al
- [A] US 2017284706 A1 20171005 - OZU MASAO [CN], et al
- See references of WO 2020132352A1

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)  
**WO 2020132352 A1 20200625**; CN 113316701 A 20210827; EP 3899384 A1 20211027; EP 3899384 A4 20220928

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**US 2019067652 W 20191219**; CN 201980089564 A 20191219; EP 19899943 A 20191219