

Title (en)  
REFRIGERANT COMPRESSOR SYSTEM

Title (de)  
KÄLTEMITTELVERDICHTERANLAGE

Title (fr)  
SYSTÈME DE COMPRESSEUR FRIGORIFIQUE

Publication  
**EP 3692309 A1 20200812 (DE)**

Application  
**EP 17780712 A 20171004**

Priority  
EP 2017075229 W 20171004

Abstract (en)  
[origin: WO2019068322A1] In order to improve safety in a refrigerant compressor system comprising a refrigerant compressor and an electric drive motor for driving the refrigerant compressor and, arranged in a protected manner in an interior of a control housing, an electronic control system comprising electric components or electronic power components for controlling the electric drive motor, according to the invention, during operation of the refrigerant compressor system with combustible refrigerant, the control housing is provided with a refrigerant diversion, which does not impair at least one protection criterion of the control housing, for discharging refrigerant which enters into the interior due to a refrigerant leakage, said refrigerant diversion causing the refrigerant entering into the interior due to the refrigerant leakage to pass out of the interior into the surroundings of the refrigerant compressor system.

IPC 8 full level  
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CPC (source: EP US)  
**F24F 1/24** (2013.01 - EP); **F24F 11/36** (2017.12 - EP); **F24F 11/88** (2017.12 - EP); **F24F 11/89** (2017.12 - EP); **F24F 13/222** (2013.01 - EP); **F25B 31/02** (2013.01 - US); **F25B 49/02** (2013.01 - US); **F24F 2203/021** (2013.01 - EP); **F25B 2400/12** (2013.01 - US); **F25B 2500/222** (2013.01 - US)

Citation (search report)  
See references of WO 2019068322A1

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DOCDB simple family (application)  
**EP 2017075229 W 20171004**; CN 201780095551 A 20171004; EP 17780712 A 20171004; US 202016833543 A 20200328