

Title (en)

Method of lubricating a rotary screw compressor

Title (de)

Verfahren zum Schmieren eines Drehschraubenverdichters

Title (fr)

Procédé de lubrification d'un compresseur à vis rotative

Publication

EP 3056557 A1 20160817 (EN)

Application

EP 15154625 A 20150211

Priority

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Abstract (en)

An ester-based lubricating oil for use in a rotary screw compressor utilizing a chlorine-free hydrofluorocarbon (HFC) refrigerant such as R-134a contains a product obtained from a reaction of tripentaerythritol and a mixed C5-C10 monocarboxylic acid, or a product obtained from a reaction of dipentaerythritol and a mixed C5-C 10 monocarboxylic acid, and optionally a product obtained from a reaction of dipentaerythritol and a C5 monocarboxylic acid.

IPC 8 full level

C10M 171/00 (2006.01); **C10N 20/02** (2006.01); **C10N 30/10** (2006.01); **C10N 40/30** (2006.01)

CPC (source: EP)

C10M 171/008 (2013.01); **C10M 2207/2835** (2013.01); **C10N 2020/011** (2020.05); **C10N 2020/017** (2020.05); **C10N 2020/02** (2013.01); **C10N 2020/101** (2020.05); **C10N 2030/10** (2013.01); **C10N 2030/66** (2020.05); **C10N 2030/70** (2020.05); **C10N 2040/30** (2013.01)

Citation (search report)

- [X] US 2013207022 A1 20130815 - HESSELL EDWARD T [US], et al
- [X] US 2011240910 A1 20111006 - CARR DALE [US], et al
- [X] JP 5466772 B2 20140409
- [A] EP 1281701 A1 20030205 - HATCO CORP [US]

Cited by

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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

DOCDB simple family (publication)

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