

Title (en)

Use of a lubricant for compressors using a hydrofluorocarbon refrigerant containing no chlorine.

Title (de)

Verwendung eines Schmierstoffs für Kompressoren, die ein chlorfreies Fluorkohlenwasserstoff-Kältemittel verwenden.

Title (fr)

Utilisation d'un lubrifiant pour des compresseurs utilisant un réfrigérant hydrofluorocarboné ne contenant pas de chlore.

Publication

**EP 0479338 B1 19970827 (EN)**

Application

**EP 91121101 A 19891017**

Priority

- EP 89119265 A 19891017
- JP 17200289 A 19890705
- JP 17200189 A 19890705
- JP 17200089 A 19890705

Abstract (en)

[origin: EP0406479A1] A lubricant for hydrofluorocarbon refrigerant comprises as a main component an ester obtained by esterifying at least one straight or branched-chain monovalent fatty acid having a particular carbon number with neopentyl glycol or at least one compound of general formula (I) or a polyvalent alcohol of general formula (II) or further at least one polybasic acid having a particular carbon number: <CHEM> This lubricant has a sufficient compatibility with the hydrofluorocarbon refrigerant used as a refrigerant instead of the conventional chlorine-containing compounds.

IPC 1-7

**C10M 105/38**; C10M 105/40; C10M 105/42

IPC 8 full level

**C10M 105/00** (2006.01); **C10M 105/32** (2006.01); **C10M 105/38** (2006.01); **C10M 105/40** (2006.01); **C10M 105/42** (2006.01); **C10M 105/44** (2006.01); **C10M 171/00** (2006.01)

CPC (source: EP KR)

**C10M 105/00** (2013.01 - EP); **C10M 105/32** (2013.01 - EP); **C10M 105/38** (2013.01 - EP KR); **C10M 105/40** (2013.01 - EP); **C10M 105/42** (2013.01 - EP KR); **C10M 105/44** (2013.01 - EP); **C10M 105/52** (2013.01 - EP); **C10M 171/008** (2013.01 - EP); **C10M 2203/003** (2013.01 - EP); **C10M 2207/2805** (2013.01 - EP); **C10M 2207/281** (2013.01 - EP); **C10M 2207/282** (2013.01 - EP); **C10M 2207/283** (2013.01 - EP); **C10M 2207/2835** (2013.01 - EP); **C10M 2207/286** (2013.01 - EP); **C10M 2207/2875** (2013.01 - EP); **C10M 2207/2885** (2013.01 - EP); **C10M 2207/289** (2013.01 - EP); **C10M 2207/2895** (2013.01 - EP); **C10M 2207/301** (2013.01 - EP); **C10M 2207/302** (2013.01 - EP); **C10M 2207/3025** (2013.01 - EP); **C10M 2207/345** (2013.01 - EP); **C10M 2209/109** (2013.01 - EP); **C10M 2209/11** (2013.01 - EP); **C10M 2211/0206** (2013.01 - EP); **C10M 2211/022** (2013.01 - EP); **C10M 2211/0225** (2013.01 - EP); **C10M 2211/0245** (2013.01 - EP); **C10M 2211/06** (2013.01 - EP); **C10N 2040/00** (2013.01 - EP); **C10N 2040/30** (2013.01 - EP); **C10N 2040/32** (2013.01 - EP); **C10N 2040/34** (2013.01 - EP); **C10N 2040/36** (2013.01 - EP); **C10N 2040/38** (2020.05 - EP); **C10N 2040/40** (2020.05 - EP); **C10N 2040/42** (2020.05 - EP); **C10N 2040/44** (2020.05 - EP); **C10N 2040/50** (2020.05 - EP)

Cited by

US5494597A; US5395544A; US5470497A; US7052626B1; US6582621B1; WO9324596A1; WO9324597A1; WO9413764A1; WO9532266A1; KR100254624B1

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