

Title (en)

Liquid compositions containing carboxylic esters.

Title (de)

Carbonsäureester enthaltende flüssige Zusammensetzungen.

Title (fr)

Compositions liquides contenant des esters carboxyliques.

Publication

EP 0571091 A1 19931124 (EN)

Application

EP 93303329 A 19930428

Priority

US 87494692 A 19920429

Abstract (en)

This invention relates to a liquid composition comprising (A) at least one fluorine-containing hydrocarbon containing one to three carbon atoms, and a lubricant comprising (B) at least one ester lubricant selected from the group consisting of (i) an ester of a polyhydroxy compound and a monocarboxylic acylating agent having from about 4 to about 15 carbon atoms, and (ii) an ester of polyhydroxy compound and a combination of a dicarboxylic acylating agent and a monocarboxylic acylating agent having about 7 to about 15 carbon atoms, and (C) at least one additive selected from the group consisting of an alkyl phosphite, an alkyl phosphonic acid ester, a nitrogen-containing heterocycle, and a mixture thereof. Liquid compositions also are described wherein the fluorine-containing hydrocarbons also contain other halogens such as chlorine. Methods of lubricating refrigeration systems are also described. The liquid compositions are useful particularly as refrigeration liquids in refrigerators and air-conditioners including automotive, home, commercial and industrial air-conditioners.

IPC 1-7

C10M 105/38; C10M 105/42; C10M 169/04; C10M 171/00

IPC 8 full level

C09K 5/04 (2006.01); **C10M 105/38** (2006.01); **C10M 105/42** (2006.01); **C10M 159/12** (2006.01); **C10M 169/04** (2006.01); **C10M 171/00** (2006.01); C10N 40/30 (2006.01)

CPC (source: EP KR)

C10M 105/38 (2013.01 - EP KR); **C10M 105/42** (2013.01 - EP KR); **C10M 133/44** (2013.01 - EP); **C10M 137/02** (2013.01 - EP); **C10M 137/12** (2013.01 - EP); **C10M 169/04** (2013.01 - EP KR); **C10M 171/008** (2013.01 - EP KR); **C10M 2207/281** (2013.01 - EP KR); **C10M 2207/282** (2013.01 - EP KR); **C10M 2207/283** (2013.01 - EP); **C10M 2207/2835** (2013.01 - EP); **C10M 2207/286** (2013.01 - EP); **C10M 2207/301** (2013.01 - EP KR); **C10M 2207/302** (2013.01 - EP); **C10M 2207/304** (2013.01 - EP); **C10M 2211/022** (2013.01 - EP KR); **C10M 2211/06** (2013.01 - EP); **C10M 2215/08** (2013.01 - EP); **C10M 2215/082** (2013.01 - EP KR); **C10M 2215/22** (2013.01 - EP); **C10M 2215/221** (2013.01 - EP); **C10M 2215/222** (2013.01 - EP); **C10M 2215/223** (2013.01 - EP); **C10M 2215/225** (2013.01 - EP); **C10M 2215/226** (2013.01 - EP KR); **C10M 2215/28** (2013.01 - EP); **C10M 2215/30** (2013.01 - EP); **C10M 2223/02** (2013.01 - EP KR); **C10M 2223/04** (2013.01 - EP); **C10M 2223/042** (2013.01 - EP); **C10M 2223/049** (2013.01 - EP); **C10M 2223/06** (2013.01 - EP); **C10M 2223/061** (2013.01 - EP); **C10M 2223/065** (2013.01 - EP); **C10M 2223/10** (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)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0571091 A1 19931124; AU 3711893 A 19931104; BR 9301005 A 19931103; CA 2094857 A1 19931029; CN 1077984 A 19931103; JP H06108081 A 19940419; KR 940005782 A 19940322; MX 9302437 A 19940630

DOCDB simple family (application)

EP 93303329 A 19930428; AU 3711893 A 19930426; BR 9301005 A 19930423; CA 2094857 A 19930426; CN 93104790 A 19930427; JP 10330893 A 19930428; KR 930007121 A 19930427; MX 9302437 A 19930427