

Title (en)

POLYALKYLENE GLYCOLS AS LUBRICANTS FOR CO 2?-BASED REFRIGERATING MACHINES

Title (de)

POLYALKYLENLGLYKOLE ALS SCHMIERMITTEL FÜR CO 2-KÄLTEMASCHINEN

Title (fr)

POLYALKYLENE GLYCOLS COMME LUBRIFIANT DE MACHINES FRIGORIFIQUES AU CO 2

Publication

EP 0980416 B1 20030709 (DE)

Application

EP 98932037 A 19980429

Priority

- DE 9801196 W 19980429
- DE 19719132 A 19970507
- DE 19719430 A 19970512

Abstract (en)

[origin: WO9850499A2] Disclosed are fuel compounds containing lubricant based on polyalkylene-glycols, which are suitable for lubricating refrigerating machines, heat pumps and related equipment, for which the fuel required is carbon dioxide.

IPC 1-7

C10M 107/34; C10M 111/04; C10M 171/00

IPC 8 full level

C10M 105/38 (2006.01); **C10M 107/34** (2006.01); **C10M 111/04** (2006.01); **C10M 171/00** (2006.01)

CPC (source: EP)

C10M 105/38 (2013.01); **C10M 107/34** (2013.01); **C10M 111/04** (2013.01); **C10M 171/008** (2013.01); **C10M 2207/281** (2013.01);
C10M 2207/282 (2013.01); **C10M 2207/283** (2013.01); **C10M 2207/2835** (2013.01); **C10M 2207/286** (2013.01); **C10M 2209/1033** (2013.01);
C10M 2209/1045 (2013.01); **C10M 2209/1055** (2013.01); **C10M 2209/1065** (2013.01); **C10M 2209/107** (2013.01); **C10M 2209/1075** (2013.01);
C10M 2209/1085 (2013.01); **C10M 2209/109** (2013.01); **C10M 2209/1095** (2013.01); **C10N 2020/01** (2020.05); **C10N 2040/00** (2013.01);
C10N 2040/30 (2013.01); **C10N 2040/32** (2013.01); **C10N 2040/34** (2013.01); **C10N 2040/36** (2013.01); **C10N 2040/38** (2020.05);
C10N 2040/40 (2020.05); **C10N 2040/42** (2020.05); **C10N 2040/44** (2020.05); **C10N 2040/50** (2020.05)

Citation (examination)

- EP 0861883 A2 19980902 - IDEMITSU KOSAN CO [JP]
- WO 9808912 A1 19980305 - ICI PLC [GB], et al
- WO 9749787 A1 19971231 - IDEMITSU KOSAN CO [JP]
- WO 9703153 A1 19970130 - IDEMITSU KOSAN CO [JP], et al
- WO 9823710 A1 19980604 - IDEMITSU KOSAN CO [JP], et al

Designated contracting state (EPC)

DE DK FR GB IT

DOCDB simple family (publication)

WO 9850499 A2 19981112; WO 9850499 A3 19990204; AR 012666 A1 20001108; AU 8208998 A 19981127; DE 19880588 D2 20000413;
DE 59808991 D1 20030814; DK 0980416 T3 20031020; DK 0980416 T4 20091012; EP 0980416 A2 20000223; EP 0980416 B1 20030709;
EP 0980416 B2 20090610

DOCDB simple family (application)

DE 9801196 W 19980429; AR P980102105 A 19980506; AU 8208998 A 19980429; DE 19880588 T 19980429; DE 59808991 T 19980429;
DK 98932037 T 19980429; EP 98932037 A 19980429