

Title (en)  
A METHOD FOR LUBRICATING REFRIGERATING MACHINES

Publication  
**EP 0384724 B1 19931013 (EN)**

Application  
**EP 90301844 A 19900221**

Priority  
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• JP 29106589 A 19891110

Abstract (en)  
[origin: EP0384724A1] Lubricating oil compositions comprising a base oil and a halogen containing ester of phosphoric acid having a specified structure in an amount in the range of from 0.01 to 5 parts by weight relative to 100 parts by weight of the base oil, and lubricating oil compositions further comprising an epoxy compound in an amount in the range of from 0.1 to 5 parts by weight relative to 100 parts by weight of the base oil.

IPC 1-7  
**C10M 137/04**; **C10M 141/10**; **C10M 169/04**

IPC 8 full level  
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CPC (source: EP)  
**C10M 101/02** (2013.01); **C10M 105/06** (2013.01); **C10M 107/02** (2013.01); **C10M 107/34** (2013.01); **C10M 129/18** (2013.01); **C10M 137/04** (2013.01); **C10M 141/10** (2013.01); **C10M 169/04** (2013.01); **C10M 171/008** (2013.01); **C10M 2203/06** (2013.01); **C10M 2203/065** (2013.01); **C10M 2203/1006** (2013.01); **C10M 2203/1025** (2013.01); **C10M 2203/1045** (2013.01); **C10M 2203/1065** (2013.01); **C10M 2203/1085** (2013.01); **C10M 2205/0206** (2013.01); **C10M 2207/042** (2013.01); **C10M 2207/124** (2013.01); **C10M 2207/28** (2013.01); **C10M 2209/1033** (2013.01); **C10M 2209/104** (2013.01); **C10M 2209/1045** (2013.01); **C10M 2209/105** (2013.01); **C10M 2209/1055** (2013.01); **C10M 2209/106** (2013.01); **C10M 2209/1065** (2013.01); **C10M 2209/107** (2013.01); **C10M 2209/1075** (2013.01); **C10M 2209/1085** (2013.01); **C10M 2209/1095** (2013.01); **C10M 2211/022** (2013.01); **C10M 2211/06** (2013.01); **C10M 2223/04** (2013.01); **C10M 2223/041** (2013.01); **C10M 2223/042** (2013.01); **C10N 2020/01** (2020.05); **C10N 2040/00** (2013.01); **C10N 2040/02** (2013.01); **C10N 2040/04** (2013.01); **C10N 2040/042** (2020.05); **C10N 2040/044** (2020.05); **C10N 2040/046** (2020.05); **C10N 2040/06** (2013.01); **C10N 2040/22** (2013.01); **C10N 2040/24** (2013.01); **C10N 2040/241** (2020.05); **C10N 2040/242** (2020.05); **C10N 2040/243** (2020.05); **C10N 2040/244** (2020.05); **C10N 2040/245** (2020.05); **C10N 2040/246** (2020.05); **C10N 2040/247** (2020.05); **C10N 2040/25** (2013.01); **C10N 2040/251** (2020.05); **C10N 2040/252** (2020.05); **C10N 2040/253** (2020.05); **C10N 2040/255** (2020.05); **C10N 2040/26** (2013.01); **C10N 2040/28** (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)

Cited by  
EP0557104A1; EP0501440A1; EP0482759A1; EP0989179A1; US5198135A; CN1083538C; EP0496937A1; EP0510633A1; EP0499793A1; US5391311A; US5833876A; US5853609A; EP0461262A4; US5403503A; EP0548049A3; EP0550407A3; EP0452816A3; US5262076A; WO9217563A1; EP0980416B2

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