

Title (en)
Refrigerating machine oil

Title (de)
Kältemaschinenöl

Title (fr)
Huile pour machine réfrigérante

Publication
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Application
EP 99850142 A 19990927

Priority
JP 27556098 A 19980929

Abstract (en)
The refrigerating machine oils comprise the specific types of oxygen-containing synthetic oil. The refrigerating oils have excellent lubricity, miscibility with a refrigerant and stability when used together with a refrigerant containing dimethyl ether.

IPC 1-7
C10M 171/00; C10M 169/04

IPC 8 full level
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Citation (search report)
• [X] EP 0844299 A1 19980527 - IDEMITSU KOSAN CO [JP]
• [X] GB 2274463 A 19940727 - ICI PLC [GB]
• [X] EP 0724003 A2 19960731 - OHO SUK JAE [KR], et al
• [PX] WO 9941325 A1 19990819 - OHO SUK JAE [KR]
• [A] DE 4313584 A1 19941027 - LEUNA WERKE GMBH [DE]

Cited by
CN101305084A; EP0992572A3; EP1167495A4; CN106103992A; CN103649040A; EP1632555A1; US2010247971A1; US8604233B2; US6878677B1; US6692654B2; WO02077135A1; WO2083607A3; WO2009134638A3; US7683015B2; US7732386B2; US7906466B2; US7910528B2; US7947634B2

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