

Title (en)

Lubricant for refrigerating machine employing refrigerant comprising tetrafluoroethane

Title (de)

Schmiermittel für Kältemaschinen, die Tetrafluoroethane als Kühlmittel verwenden

Title (fr)

Lubrifiant pour machine frigorifique utilisant un réfrigérant contenant du tétrafluoroéthane

Publication

EP 0556662 B1 19970502 (EN)

Application

EP 93101779 A 19930205

Priority

JP 3052992 A 19920218

Abstract (en)

[origin: EP0556662A1] There has been disclosed herein a lubricant for refrigerating machines employing as a refrigerant 1,1,1,2-tetrafluoroethane or 1,1,2,2-tetrafluoroethane which comprises as an essential component a base oil comprising (A) 40 to 95% by weight of a synthetic oil formed of a poly- alpha -olefin or a mixture of a poly- alpha -olefin and an alkylbenzene and (B) 5 to 60% by weight of a fluidity improver formed of both or either of an ester compound and a triglyceride. The lubricant is used along with a substitute flon refrigerant, and is excellent in the performance such as wear resistance, electrical insulating properties, hydrolytic stability, nonhygroscopicity, etc. and also in returnability of the lubricant. Thus, the lubricant is especially effective when used in automobile or household air conditioner, refrigerator, etc. having high industrial usefulness.

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