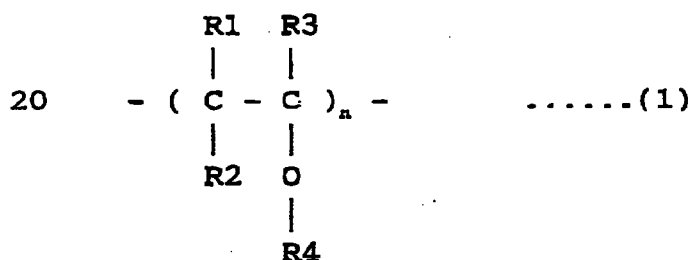


ABSTRACT OF THE DISCLOSURE

An object of the present invention is to obtain a good refrigerator using polyvinyl ether oil as a refrigerator oil, which is compatible with a hydrofluorocarbon type refrigerant not containing chlorine (such as R134a) without suffering conventional problems. A refrigerator of the present invention comprises a refrigerating cycle using a hydrofluorocarbon type refrigerant not containing chlorine or a refrigerant mixture thereof, with a refrigerator oil compatible with the refrigerant sealed, wherein the refrigerator oil comprises a polyvinyl ether type compound having a structural unit represented by the general formula (1) as the main component, with a pour point of -40°C or less, a two-liquid separation temperature of -20°C or less, a total acid number of 0.02 mgKOH/g or less, a viscosity of 8 to 100 cst at 40°C or less, and a viscosity index of 80 or more,



, wherein n is an integral number in the range of 1 or more, R1 to R3 are each a hydrogen atom or a hydrocarbon group having 1 to 8 carbon atoms and may be the same or different, R4 is an alkyl group having 1 to 4 carbon atoms, and units in



which R4 is an alkyl group having 1 to 2 carbon atoms are 40 to 100 % and units in which R4 is an alkyl group having 3 to 4 carbon atoms are 0 to 60 %.

This Sheet Has Been Replaced

