



ABSTRACT OF DISCLOSURE

A refrigerant circulating system that uses a highly polar refrigerant, as typified by a hydrofluorocarbon-based one, and a refrigerating oil that has slight solubility with a liquid refrigerant on the condensation side. And, a refrigerant circulating cycle that uses a highly polar refrigerant, as typified by a hydrofluorocarbon-based one, and a refrigerating oil that has a slight solubility with a liquid refrigerant and which has a greater specific gravity than the liquid refrigerant. Thereby, it is provided a high electrical insulation and moisture resistance, good oil return to the compressor, and high reliability.