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(54) Title: ORGANIC HEAT TRANSFER SYSTEM, METHOD AND FLUID

(57) Abstract: The disclosed technology relates to a heat transfer system and heat transfer method employing stable colloidal dispersion of a) a non-conductive, non-aqueous and non-water miscible dielectric oleaginous heat transfer fluid, b) at least one solid nanoparticle, and c) a surfactant. In particular, the technology relates to a stable colloidal dispersion with low electrical conductivity, low flammability, and low freeze point that provides excellent peak temperature reduction in a heat transfer system, such as that for cooling a battery pack or a power system of an electric vehicle.

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