

Title (en)

HEAT TRANSFER SYSTEM, FLUID, AND METHOD

Title (de)

WÄRMEÜBERTRAGUNGSSYSTEM, -FLÜSSIGKEIT UND -VERFAHREN

Title (fr)

SYSTÈME DE TRANSFERT THERMIQUE, FLUIDE, ET PROCÉDÉ

Publication

EP 2300553 A2 20110330 (EN)

Application

EP 09795240 A 20090710

Priority

- US 2009050257 W 20090710
- US 8003308 P 20080711

Abstract (en)

[origin: US2009266519A1] Disclosed herein is a heat transfer system comprising a circulation loop defining a flow path for a heat transfer fluid, and a heat transfer fluid comprising a liquid coolant, a siloxane corrosion inhibitor of formula $R_3Si-[O-Si(R)_2]_x-OSiR_3$, wherein R is independently an alkyl group or a polyalkylene oxide copolymer of 1 to 200 carbons, x is from 0 to 100, and further wherein at least one alkyl group and at least one polyalkylene oxide copolymer are present, and a non-conductive polydiorganosiloxane antifoam agent, wherein the conductivity of the heat transfer fluid is less than about 100 $\mu S/cm$, and wherein the heat transfer system comprises aluminum, magnesium, or a combination thereof, in intimate contact with the heat transfer fluid.

IPC 8 full level

C09K 5/10 (2006.01)

CPC (source: EP US)

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