

Dielectric Nano-Fluid For Electrostatic Machines And Actuators

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The Invention

An electrostatic machine employs a high dielectric fluid comprised of a dielectric liquid with suspended dielectric particles. Electrorheological effects are minimized through small particle sizes and steric coatings on those particles limiting the minimum particle-to-particle distance. Low particle volume densities provide greater torque density with managed reduced viscosity.

Additional Information

For More Information About the Inventors

- Daniel Ludois
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Tech Fields

- Engineering: Electric machines
- Materials & Chemicals : Composites

For current licensing status, please contact Emily Bauer at $\underline{\text{emily}}\underline{\text{@warf.org}} \text{ or } 608\text{-}960\text{-}9842$

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