



Sensorless Controller For Electrostatic Machine

[View U.S. Patent No. 11,012,003 in PDF format.](#)

WARF: P200015US01

Inventors: Daniel Ludois, Aditya Ghule, Peter Killeen

The Invention

A variable speed drive for an electrostatic motor provides feedback control according to rotor position and/or rotor rotational rate deduced from back currents (back-MMF). Extraction of the back currents is performed by a modeling of the stator and the development of isolated stator voltages from plate voltage measurements.

Additional Information

For More Information About the Inventors

- [Daniel Ludois](#)

Tech Fields

- [Engineering : Electric machines](#)

For current licensing status, please contact Michael Carey at mcarey@warf.org or 608-960-9867