OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Novel Flux Coupling Radial-Gap Motor

Disclosure Number

201202941

Technology Summary

The invention relates to electric machines for use in electric or hybrid-electric vehicles and more specifically to a motor and generator arrangement with a reduced axial length. The rotor arrangement allows several components to be housed so that the overall axial length is minimized. The shaft arrangement allows for component access and for various motor cooling arrangements. One end of the rotor can be opened up for putting the excitation core inside the rotor before securing the end of the rotor to the rotor assembly securely.

Inventor

HSU, JOHN S

Energy & Transportation Science Division

Licensing Contact

SIMS, DAVID L
UT-Battelle, LLC
Oak Ridge National Laboratory
Rm 124C, Bldg 4500N, MS: 6196
1 Bethel Valley Road
Oak Ridge, TN 37831

Office Phone: (865) 241-3808
E-mail: SIMSDL@ORNL.GOV