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Aeolian Charger for Electric Vehicles

Michael W. Pruitt

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AEOLIAN CHARGER FOR ELECTRIC VEHICLES

Prepared for

Dr. Warren W. Worthley, Chairman
Department of Manufacturing Technology
Indiana University-Purdue University at Fort Wayne

Submitted for

Senior Project, MET 497

by

Michael W. Pruitt

April 21, 1981

ABSTRACT

A wind-driven electric generator for an electric vehicle is the subject of this report. The windmill-generator is designed to be compact enough to be mounted atop an electric car and recharge the vehicle's batteries at a rate which will extend the driving range by 10% at a vehicle cruising speed of 33 MPH. A full-size prototype was constructed and mounted on an electric car and tested.

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