

ABSTRACT

TRANSPORT REFRIGERATION UNIT WITH A RENEWABLE ENERGY SOURCE AND METHOD OF OPERATION

A method of operating a multiple energy source of a transport refrigeration unit determines if the transport refrigeration unit is at idle. The method may then electrically switch a condenser fan motor from an electrical power source to a battery charging circuit. The condenser fan motor may be back-driven via wind blowing through a condenser fan. Electrical power is thereby generated and applied to charge a battery via a battery charging circuit.

[Figure 2]