ABSTRACT

INTEGRATED MULTI-TURBINE WIND-POWER GENERATION SYSTEM

An integrated multi-turbine wind-power generation system for capturing wind energy created by the motion of motor vehicles (automobiles, trucks, vans, trailers and trains) and/or by atmospheric wind using a plurality of air-manifolds, each manifold having a plurality of air-outlets and a vertical-axis wind-turbine installed at each air-outlet to draw fresh air into the air-manifold through at least one air-inlet. A horizontal-axis wind-turbine and an electric generator assembly is installed at each air-inlet to generate electricity. The exterior of the body of the air-manifold can be made heat-absorbent and expansive to absorb solar heat energy to heat up the air inside the air-manifold, creating greater flow of air through the air-manifold.

For an application of the present invention, please refer to **Fig. 1**.

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