

IP MARKETPLACE

CONNECTING INNOVATION TO YOUR BUSINESS

TECH OFFER

Outdoor Light Harnessing Renewable Energy



▶ MORE INFORMATION

MEGA-TREND

- Renewable
- Energy and Power
- Future Global Power Generation
- Future Fortune Global 500

TECHNOLOGY READINESS LEVEL (TRL)

- TRL 4

PATENT/ GRANTED NUMBER

- MY-166711-A

▶ TECHNOLOGY OVERVIEW

An outdoor light to harness solar and wind energy is described. The street light, comprises a pole, and a light source fitted at the top part of the pole, characterized in that, a reflecting cover shrouds the light source and top part of the pole, said reflecting cover is provided with solar panel on top. A vertical axis wind turbine is adapted between the reflecting cover and solar panel. The wind turbine comprises of a power augmentation guide vane having guide vanes, an upper wall duct and lower wall duct inclined at an angle of 10 degrees to 80 degrees from the centre axis, said upper wall duct is flared upwards and lower wall duct is flared downwards.

CONTACT US!

Dr. Lee Ching Shya, RTTP

UMCIE Business Officer

Email: leecs@um.edu.my

Phone: +603 – 7967 7352 / 013-2250151