

Wind funnel power generation



Overview

The funnel shaped shroud system captures wind to deliver it to ground-level turbines for secure, efficient and cost-effective operation. SheerWind's Minnesota wind turbine company INVELOX technology turns wind power systems upside down by first using a funnel to collect wind through an omnidirectional intake, channeling that wind to increase its speed within a shrouded Venturi section, and then delivering it to multiple turbines. Notably, wind generator stands out as the first single wind tower capable of powering multiple turbines in a row or series, maximizing energy output. Google has not performed a legal analysis and makes no representation as to the accuracy of the date listed.) The present invention relates to a wind power generator using a funnel, capable of continuous optimal power. Wind energy is an alternative future energy to fossil fuels since it is abundant and green energy. As a result, high performance unique design is proposed that has a diffuser augmented wind turbine including intake funnel with guide vanes, natural fan, straight flow section, exit splitter with air.

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How it Works

Wind Capture: At the apex of the funnel-shaped wind generator structure, wind is captured. Its omnidirectional intake area ensures wind collection from any direction.

[Funnel Wind Turbine Invelox Prototype Harnesses 600% More ...](#)

The company, SheerWind, has a patented system of harvesting wind power called Invelox that it says can produce six times more green energy than traditional systems. The funnel ...



[Wind Funnel Generator Is Channeling Interest](#)

A unique wind funnel-based power generating system that is quickly garnering interest from investors could see first construction kickoff in the first quarter of 2016.



[Investigations on Integrated Funnel, Fan and Diffuser Augmented ...](#)

As a result, high performance unique design is proposed that has a diffuser augmented wind turbine including intake funnel with guide vanes, natural fan, straight flow section, exit splitter with air openings and end flange.



[Design and Wind Tunnel Testing of Funnel Based Wind Energy ...](#)

Considering all the difficulties that are faced with modern wind energy systems, a new approach for extracting wind energy is studied here. In this paper, design and experimental setup of funnel based wind ...



[\(PDF\) Design and Wind Tunnel Testing of Funnel Based ...](#)

In this paper, design and experimental setup of funnel based wind energy harvesting system (FBWEHS) is explained in detail.



WDO , Invelox

The funnel shaped shroud system captures wind to deliver it to ground-level turbines for secure, efficient and cost-effective operation. With no harm to humans or wildlife, it requires less maintenance, and produces ...



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The present invention relates to a wind power generator using a funnel, capable of continuous optimal power generation by controlling precisely the amount of wind flowing into a



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