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(54) Title: VERTICAL AXIS WIND TURBINE WITH SPEED REGULATION AND STORM PROTECTION SYSTEM

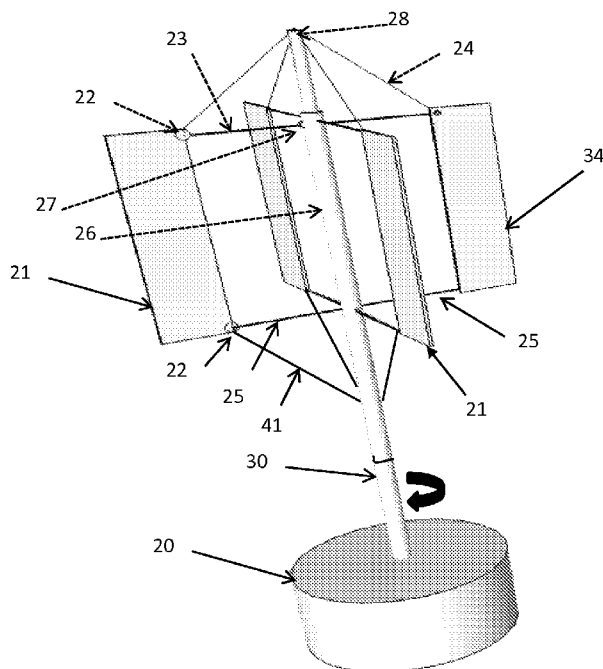


Fig. 1

(57) Abstract: An embodiment of Vertical Axis Wind Turbine (VAWT) concept with vanes coupled to central shaft thorough supports that are connected in such a way that vanes can be moved closer or further away from the central shaft of the wind turbine. The rotational speed of the wind turbine can be regulated by adjusting the distance of the vanes. Additionally, the turbine can be put into storm protection mode by bringing the vanes right next to the central shaft where the profile of the wind turbine is reduced to minimum.