

VANE STRUCTURE FOR VERTICAL AXIS WIND POWER GENERATOR

ABSTRACT OF THE DISCLOSURE

5 A vane for vertical axis wind power generator includes a vane body defining a rearward recess and having a front plate portion with a through hole; a first arcuate guide bar located in the recess with a second end connected to the vane body and a first end located in the through hole; an openwork screen fitted in the through hole and connected to the first end of the first arcuate guide bar; and a
10 first movable baffle unit slidably fitted around the first arcuate guide bar and pivotally connected to the vane body to openably cover the openwork screen. When the rearward recess is against the wind, the first movable baffle unit covers the openwork screen for the rearward recess to effectively intercept the wind. When the rearward recess is before the wind, the first movable baffle
15 unit naturally opens to reduce the air resistance to the vane.

Fig. 1