

**ABSTRACT****APPARATUS FOR GENERATING ELECTRIC
POWER USING WIND ENERGY**

An apparatus (2) includes a blade unit (5) including
5 having upright blades (52) connected fixedly to an
upright rod (51) that has a lower end (512) disposed
pivotally in a base (3) such that the blade unit (5)
is rotatable relative to the base (3) to convert wind
energy into a mechanical rotary power output, and coupled
10 to a generator (6) in the base (3) to convert the
mechanical rotary power output into electric power.
Each blade (52) has opposite first and second side
surfaces (521, 522). The first side surface (521) of
each blade (52) faces the second side surface (522) of
15 an adjacent blade (52). A wind-collecting unit (4)
includes upright plates (41) fixed on the base (3),
angularly equidistant and disposed around the blade unit
(5). Any two adjacent plates (41) define an inwardly
converging wind-guiding channel (43) therebetween.
20 The plates (41) are shaped so that wind is guided by
the plates to blow onto the first side surfaces (521)
of the blades (52) via the wind-guiding channels (43).
(Figure 2 is suggested for publication)