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(54) Title: WIND TURBINE WITH ROTATIONAL AXIS PERPENDICULAR TO THE WIND FLOW

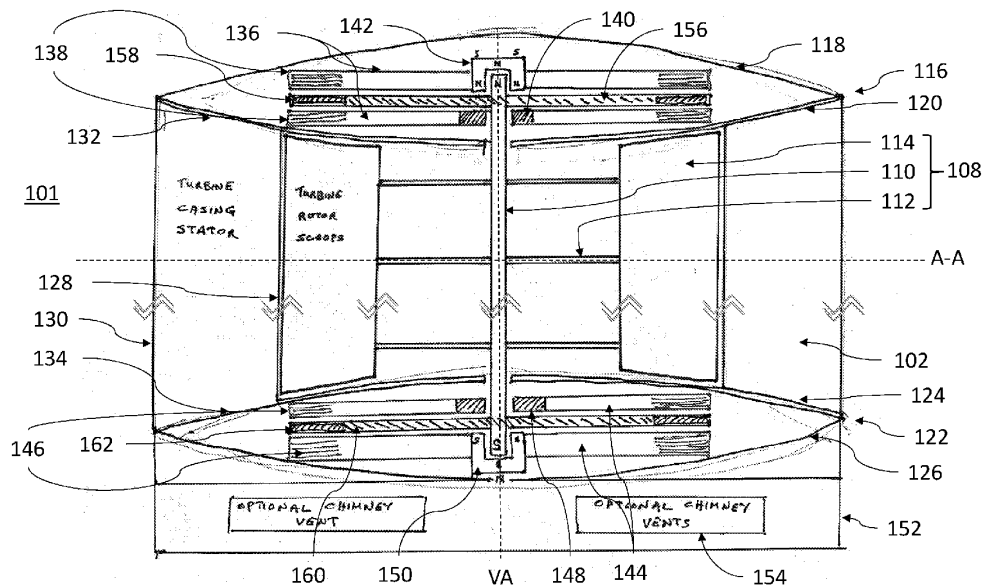


Figure 1

(57) Abstract: The invention described herein pertains to a housing for a vertical-axis wind turbine, a vertical-axis wind turbine, and an apparatus comprising a housing and a vertical-axis wind turbine. For example, the disclosure below provides more efficient electricity generation from a vertical-axis wind turbine assembly. Increases in efficiency may be achieved by the housing through novel angled louvers and integrally housed electrical stators. Increases in efficiency may also be achieved through a magnetic spindle bearing and Savonius blade geometry. The turbine may be sized and configured for attachment to existing structures.

[Continued on next page]

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