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(71) Applicant (for all designated States except US): **WATTENBERG INDUSTRIES, LLC** [US/US]; 1610 Tamarisk Drive, Palm Springs, CA 92262 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **STEINLECHNER, Johann** [AT/US]; 1610 Tamarisk Drive, Palm Springs, CA (US).

(74) Agent: **CARNEY, Hayden, A.**; Christie Parker & Hale, LLP, P.O.Box 7068, Pasadena, CA 91109-7068 (US).

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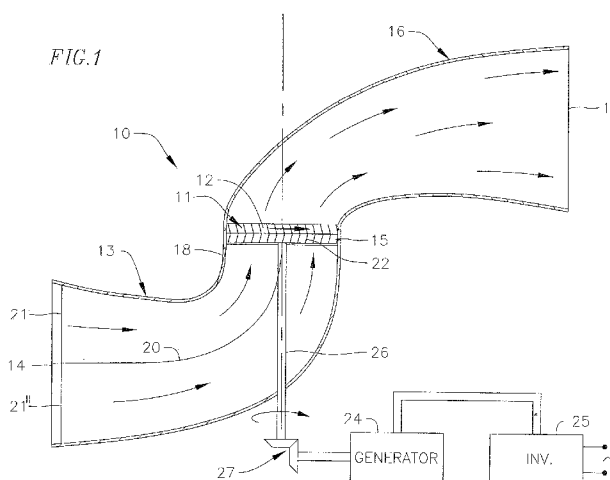
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(54) Title: LOW-PROFILE POWER-GENERATING WIND TURBINE



(57) Abstract: A wind turbine is disclosed which uses energy in air moving relatively toward the turbine to focus and increase the velocity of air entering a turbine inlet air flow passage. The inlet flow passage discharges focused and accelerated air to blades of a rotor where the blades interact with that air to turn the rotor. Rotor motion can be used to operate an electrical generator. The plane of rotation of the rotor can be at substantially right angles to the plane of the passage inlet opening. Baffles in the flow passage and stator vanes adjacent the rotor blades cause the mass flow of the accelerated air to be substantially uniform, and desirably directed, throughout the rotor's blade area. The turbine is compact and operates quietly.