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Kennedy

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(54) **LOW PROFILE, SURFACE-MOUNTED POWER GENERATION SYSTEM**

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(52) **U.S. Cl.**

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(58) **Field of Classification Search**

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See application file for complete search history.

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(57) **ABSTRACT**

A low-profile, surface mount vehicle energy harvester including a low-profile, surface mount subunit having an upper surface forming a roadway surface; a vehicle activated treadle on the subunit, the vehicle activated treadle moveable between a first position in which an upper surface of the treadle is at an angle with respect to the upper surface of the roadway surface and a second position in which the upper surface of the treadle is flush with the upper surface of the roadway surface; a generator that generates power in response to movement of the vehicle activated treadle; and an entry ramp at a first end of the harvester roadway surface; and an exit ramp at a second end of the harvester roadway surface.

17 Claims, 3 Drawing Sheets

