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Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

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David J. Kappas

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(12) **United States Patent**
Chen

(10) **Patent No.:** **US 8,123,431 B2**
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(54) **ROAD-BASED ELECTRICITY GENERATOR**

(75) **Inventor:** **Ron Chen, Zichron Ya'acov (IL)**

(73) **Assignee:** **Innovative Patents Ltd., Caesarea (IL)**

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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F03G 7/00 (2006.01)

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See application file for complete search history.

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Primary Examiner — Gary S Hartmann

(74) *Attorney, Agent, or Firm* — The Law Office of Michael E. Kondoudis

(57) **ABSTRACT**

Generating electricity from wheeled vehicles passing along a road, by positioning a hinged protruding flap to generate linear motion of an attached rack upon depression of the flap by a passing vehicle, converting the linear motion of the rack to a rotational motion of an axis by enabling rotation of the axis in one direction only, and regulating accumulated rotational motion to a specified range of rotation speeds. A fly-wheel is used to accumulate the rotations and enable a relatively stable electricity generation.

7 Claims, 8 Drawing Sheets

