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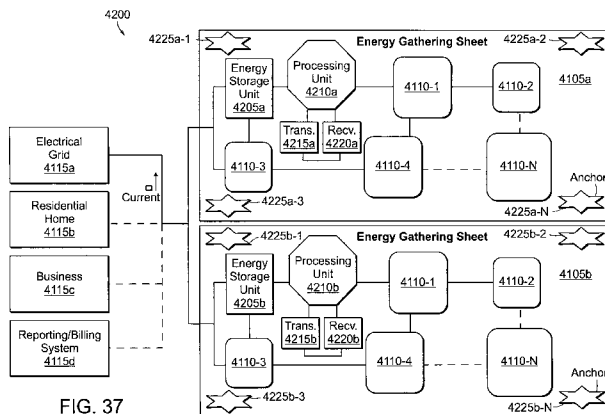


FIG. 37

(57) Abstract: A roadway system for energy generation and distribution is presented. In accordance with one embodiment of the invention, the roadway system comprises a plurality of ground-based hybrid solar- wind energy generating devices, one or more roads, and a roadway system electricity grid. The energy generating devices are connected to the roadway system electricity grid and substantially all of the ground-based hybrid solar-wind energy generating devices are positioned on part of one of the roads or near to one or more of the roads to thereby allow energy generation from wind created from passing vehicles in addition to energy generation from atmospheric wind. Also disclosed is an energy gathering sheet that harnesses and provides energy to various destinations. The energy gathering sheet is configured to receive small energy generating devices, which are mounted on a single sheet. The energy generating devices may be configured to harness both wind and solar energy. The single sheet of installable devices may be loosely rolled or stacked to protect the integrity of the devices, and are capable of being rolled out for efficient installation.

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