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Patent Search

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Abstract:

SOLAR POWERED ELECTRIC VEHICLE FOR AGRICULTURAL PURPOSES ABSTRACT A solar-powered electric vehicle (100) for agricultural purposes, the electric vehicle (100) comprising: solar panels (102) configured to convert solar energy into electrical energy; a battery (106) arranged inside the electric vehicle (100), and configured to store the electrical energy generated by the solar panels (102); a battery charge controller (104) arranged inside the electric vehicle (100), and configured to control a charging of the battery (106); an input unit (114) configured to enable a user to select a mode of agricultural operation to be performed by the electric vehicle (100); a unit (116) communicatively connected to the input unit (114), and configured to: receive a selected mode of agricultural operation from the input unit (114) to be performed by the electric vehicle (100); and actuate one of, agricultural tools installed inside the electric vehicle (100) to perform the corresponding agricultural operation. Claims: 1 Figure 1 is selected.

Complete Specification

Description:BACKGROUND

Field of Invention

[001] Embodiments of the present invention generally relate to a solar-powered electric vehicle and particularly to a solar-powered electric vehicle for agricultural purposes.

Description of Related Art

[002] Agriculture and farming are one of most important aspects of human life. It is necessary for survival of every human being. Along with being a necessity, it helps the economy of a country. Agriculture is a process of practicing farming activities such as cultivation of the soil for growing crops, rearing animals, and producing other products such as wool, oil, etc. The most important aspect of agriculture for human beings is to provide food. Agriculture not only provides food and raw material but also provides employment opportunities to a large proportion of the population. There are some prerequisites required for agriculture which usually are a piece of land for growing the crops along with water supply for irrigation purposes.

[003] Traditionally, to carry out several agricultural activities, multiple specialized tools are used. For example, threshers, combiners, harvesters, tractors, etc. All these tools and machinery used requires fuel to operate. Conventionally, only choice for fuel is either petrol or diesel, both being non-renewable resources in nature, and also require a periodical fixed allocated budget in farming.

[004] However, there was an attempt made under name of green agriculture, where battery-powered machinery was exposed to agriculturalists but to charge the battery-powered machinery requires power which again in turn started the utilization of non-renewable resources.

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