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(54) Title: WIRELESS CHARGING OF DIFFERENT TYPES OF ELECTRIC VEHICLES

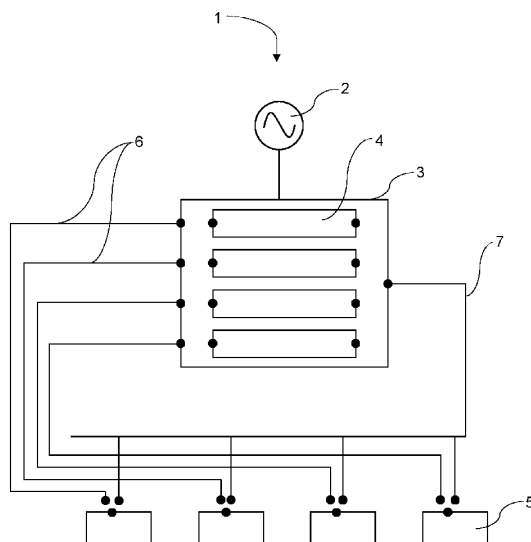


FIG. 1

(57) Abstract: A wireless electric vehicle charging system comprises: (a) a modular converter or modular inverter comprising a plurality of modules each configured to receive power from a power source and to output power in the form of alternating current, (b) a plurality of transmitters each configured to receive power from the modular converter/inverter and to wirelessly transmit power, wherein each module is switchable between: (i) a first module mode wherein the module is configured to output power to one of the transmitters via a cable connected to the one transmitter but not to the other transmitters, and (ii) a second module mode wherein the module is configured to output power to one or more of the transmitters via a cable connected to all of the plurality of transmitters, and wherein each transmitter is switchable between: (i) a first transmitter mode wherein the transmitter is configured to receive power from one of the modules, the module being in the first module mode, via the cable connected to the one transmitter but not to the other transmitters, and (ii) a second transmitter mode wherein the transmitter is configured to receive power from one or more of the modules, each being in the second module mode, via the cable connected to all of the plurality of transmitters.

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