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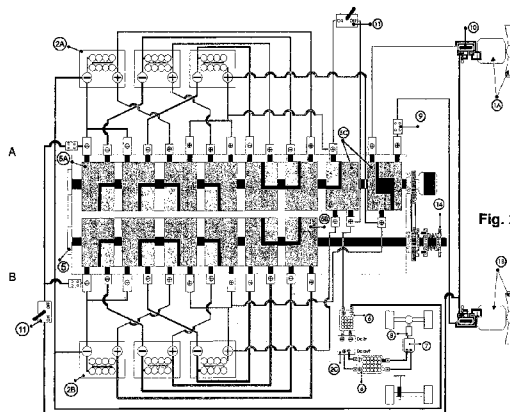
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(54) Title: WIND BASED LOAD ISOLATED ELECTRICAL CHARGING SYSTEM



(57) Abstract: This invention relates to electrically operated vehicle with power supply system having wind based charging unit (1a, 1b) with load isolation. The power supply unit has one or more energy storage device with an inverter for supplying AC loads. Two such power supply units (PS1, PS2) are used in an electric vehicle application for supplying the drive load. The power supply units when operated through an intermediate section (5) and an output combiner, supplies to the load with complete isolation from the recharging unit of the system. Due to which, the energy storage devices serves for large distance range.