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(54) Title: HIGH VOLTAGE JUNCTION BOX FOR A BATTERY PACK

(57) Abstract: A battery pack assembly for an electric aircraft includes a battery pack comprising a battery pack enclosure and one or more battery cells. The battery pack assembly further includes a junction box comprising a junction box enclosure including one base wall, four side walls, and one open end. A battery management unit, at least one fuse, and at least one switch may be mounted to the base wall. Further, the four side walls of the junction box enclosure are secured to the battery pack enclosure.

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