ABSTRACT

Disclosed are a welding system and a welding method using the same. The welding system may include: a main conveyor configured to convey a battery palette on which a battery module assembly is mounted; at least two auxiliary conveyors disposed in parallel with the main conveyor; a loading-unloading module configured to transfer the battery palette, which is conveyed along the main conveyor, to the auxiliary conveyor and transfer the battery palette, which is completely subjected to a preset welding process, from the auxiliary conveyor to the main conveyor; clamping jigs on which the battery palettes are seated by the loading-unloading module so that the preset welding process is performed on the battery module assemblies on the auxiliary conveyors; and at least two welding robots configured to weld the battery module assemblies seated on the at least two auxiliary conveyors.

FIG. 1