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(54) **FUEL CELL STACK AND FUEL BATTERY USING THE SAME**

(57) In a fuel cell stack, a cell stack is formed by laminating membrane electrode assemblies and a separator, and sandwiching them with a pair of end plates from the both sides in the laminating direction, and the cell stack is tightened and fastened in a laminating direction by a first plate spring. The first plate spring includes two arm

sections for pressing the end plates and a connecting section connecting the arm sections so as to have a C-shaped cross-section. Space between the connecting section of the first plate spring, and membrane electrode assembly and the end plates functions as a first cooling air flow passage.

FIG. 6

