REMOVABLE FLOOR SYSTEM WITH AUXILIARY FUEL TANKS FOR AN AIRCRAFT

ABSTRACT

A floor system designed for use with an aircraft is provided. The aircraft comprises a cabin characterized by a first capacity defined by the number of personnel in a predetermined position which may be accommodated therein, and comprises an auxiliary fuel port. The floor system is configured to be detachably installed within the cabin and comprises one or more top panels constituting, when the floor system is installed in the aircraft, a floor of the cabin, and one or more fuel tanks disposed below the top panels and defining an internal space for containing liquid fuel there within. At least one of the fuel tanks is configured for connection to the auxiliary fuel port for supplying the fuel to the aircraft. The cabin with the floor system installed therein is characterized by a second capacity being equal to the first capacity.

Fig. 2