ABSTRACT

FUEL SYSTEMS

The application discloses a method (1000) of determining an overall fuel allocation for missions performed by at least one aircraft, supplied with fuel from a fuel source (70) comprising an amount of a first fuel (72) and of a different second fuel (74). The method comprises: determining (1002) one or more utility values for each mission of the plurality of missions, wherein the or each utility value for each mission is based on the same one or more of a predicted contrail outcome and a predicted local air quality outcome; determining (1004a) an ordering of the missions of the plurality of missions based on the or each utility value of each mission; and determining (1004b) the overall fuel allocation for the plurality of missions based on the ordering of the missions. Also disclosed is: a method of loading (1006) fuel onto one or more aircraft according to the overall fuel allocation; and a fuel allocation determination system.

[Figure 8]