

DEVICES, SYSTEMS AND METHODS FOR REFUELING AIR VEHICLES

ABSTRACT

A variety of refueling devices, systems and methods are disclosed for use in in-
5 flight refueling. In one example one such device is towed by a tanker aircraft via a fuel
hose at least during in-flight refueling, and has a boom member with a boom axis. The
boom member enables fuel to be transferred from the fuel hose to a receiver aircraft
along the boom axis during in-flight refueling. The device maintains a desired non-zero
angular disposition between the boom axis and a forward direction at least when the
10 refueling device is towed by the tanker aircraft in the forward direction via the fuel
hose.

[Figure 1]