

ABSTRACT

A method for controlling maneuver of a refueling device, that includes: a refueling device is attached by a hose to a component of an aircraft. That component maintains a
5 reference force on the hose. The desired position and current position of the refueling device are obtained. A determination is made, based on the current and desired positions of the refueling device, whether to extend or retract the hose. Depending on the determination, a command is sent for adjusting force generating arrangements that are attached to the refueling device. This causes the component to detect a changed
10 force and to maintain the reference force on the hose. The distance between the fueling device and the aircraft is thereby changed.

Fig. 8a