

ABSTRACT OF THE DISCLOSURE

In the method, an unmanned aerial system application enabler (UAE) server can determine that a first UAV (UAV-1) is to be replaced with a second UAV (UAV-2) based on a received request. The UAV-2 is recognized by the UAE server based on a Civil Aviation Authority (CAA) level identity (ID) of the UAV-2. A request to perform a group membership update is sent by the UAE server to a SEAL group management (GM) server. The group membership update replaces the UAV-1 with the UAV-2. A response message is received by the UAE server from the SEAL GM server. The request to perform the group membership update includes (i) an ID of an UAE client that corresponds to the group of the UAV-1 and the UAV-C, (ii) a user equipment (UE) ID of the UAV-1, (iii) a UE ID of the UAV-2, and (iv) the CAA-level ID of the UAV-2.

Fig. 1