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- (54) Title:** UNMANNED AERIAL VEHICLE AND METHOD OF OPERATION

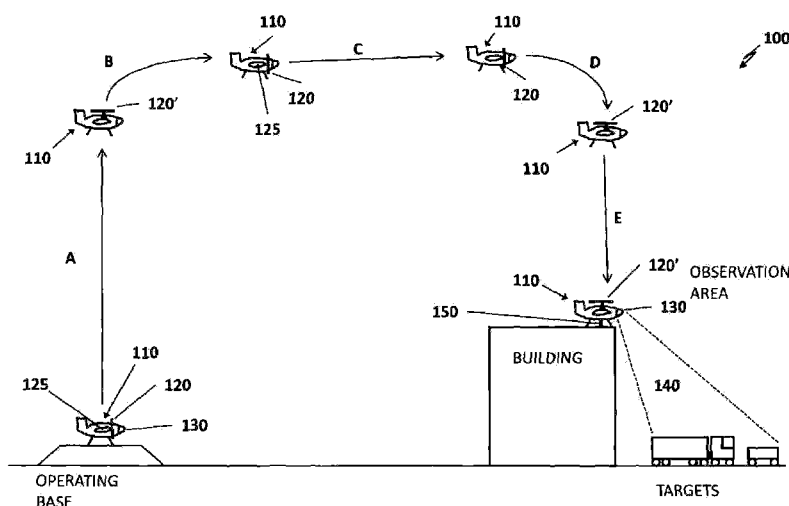


FIG. 1A

- (57) Abstract:** Unmanned Aerial Vehicle and Method of Operation A method of unmanned aerial vehicle (UAV) flight includes providing horizontal thrust in-line with the direction of forward flight of the UAV (110) using at least one electric motor (120), providing primary vertical lift for the UAV (110) during the forward flight using a fixed and non-rotating wing (125), repositioning the at least one electric motor (120') to provide vertical thrust during transition of the UAV (110) to vertical flight(A) for descent (E), landing the UAV (110) on a surface (270) using a vertical approach after the motor repositioning, and deploying an anchor (150) to secure the UAV (110) to a surface (270).



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