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(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)LILHORE, Umesh Kumar
(33) Name of priority country	:NA	2)SIMAIYA, Sarita
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(62) Divisional to Application Number	:NA	8)PANDEY Himanshu
Filing Date	:NA	9)HARNAL, Shilpi
		10)TRIVEDI, Naresh

(57) Abstract :

A system 100 for delivering parcels within buildings is disclosed. A plurality of platforms 112 positioned within various location in one or more buildings, and one or more unmanned aerial vehicles 102 (UAVs) communicatively coupled with the plurality of platforms 112. When a parcel is positioned on at least one of the platform 112, a set of sensors 116 actuated to detect standby UAVs 102 within a pre-defined area, and upon detection of the UAV 102, the location of the platform 112 is transmitted to the UAV 112. The UAV 102 reached to the location of sender's platform, pick one or more parcels to be delivered using a robotic arm 108, and moves towards the receiver's platform, and upon positive verification using a unique identifier drop the parcels to the receiver's platform and notify the sender regarding the delivery.

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