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(54) Title: SMART CITY SMART DRONE UASS/UAV/VTOL SMART MAILBOX LANDING PAD

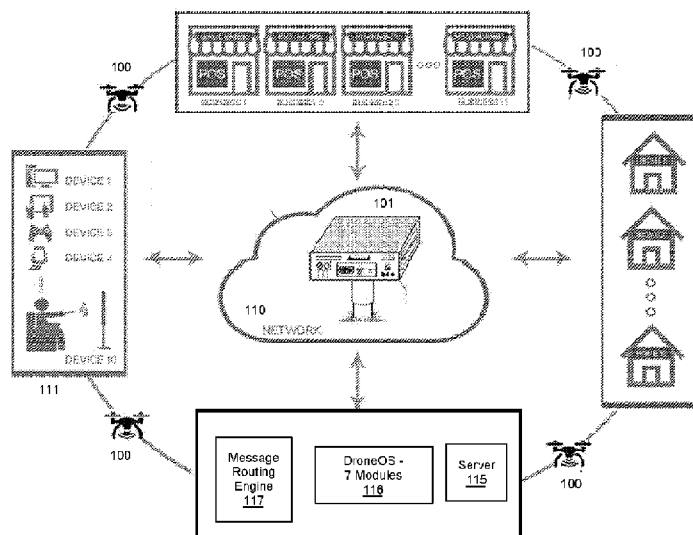


FIG. 1a

(57) Abstract: A system and method for providing smart drone mailbox landing pads and charging stations is a component of a drone unmanned system service network. The drone unmanned system service network communicatively connects the smart drone mailbox landing pad and charging station, one or more autonomous drones, and one or more drone service function devices to provide autonomous drone package delivery over a communications network. The smart drone mailbox landing pad and charging station includes a processing node having a processor, memory, a storage device, and a network connection to one or more communications networks, a drone landing pad, an induced charging pad configured to recharge a battery within one of the one or more drones, one or more external webcams, weather equipment, and a package receiving container for accepting a delivered package, while using blockchain harvesting, mining, logging and recording, for the entire process where and as needed.



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A. CLASSIFICATION OF SUBJECT MATTER

IPC - G06Q 50/28; B60L 53/12; B64F 1/32; G06Q 10/08 (2021.01)

CPC - G06Q 10/0832; G08G 5/0013; G08G 5/0069; B64F 1/007; B64C 39/024; G08G 5/0026; G08G 5/0043; G08G 5/0091; A47G 29/141; B64F 1/32; B60L 53/12; G06Q 10/083; G06Q 50/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

See Search History document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y --- A	US 2018/0105289 A1 (WALSH, R ET AL.) 19 April 2018; abstract; figures 32A, 32B; paragraphs [0019], [0024], [0027], [0108], [0116], [0150], [0217], [0250]; claims 10, 11	1-12, 18-20 --- 13-17
Y --- A	US 2019/0050810 A1 (HONEYWELL INTERNATIONAL INC.) 14 February 2019; paragraphs [0022], [0023], [0027], [0030], [0036], [0074], [0080]	1-12, 18-20 --- 13-17
A	WO 2010/026185 A1 (SKYPE LIMITED) 11 March 2010; entire document	1-20
A	WO 2018/187701 A1 (DRONETERMINUS LLC) 11 October 2018; entire document	1-20

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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