

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
08 August 2019 (08.08.2019)



(10) International Publication Number
WO 2019/151947 A8

(51) International Patent Classification:

B64F 1/00 (2006.01) *B64C 39/02* (2006.01)
B64F 1/22 (2006.01) *E04H 6/44* (2006.01)

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(21) International Application Number:

PCT/SG2019/050052

(22) International Filing Date:

31 January 2019 (31.01.2019)

(25) Filing Language:

English

(26) Publication Language:

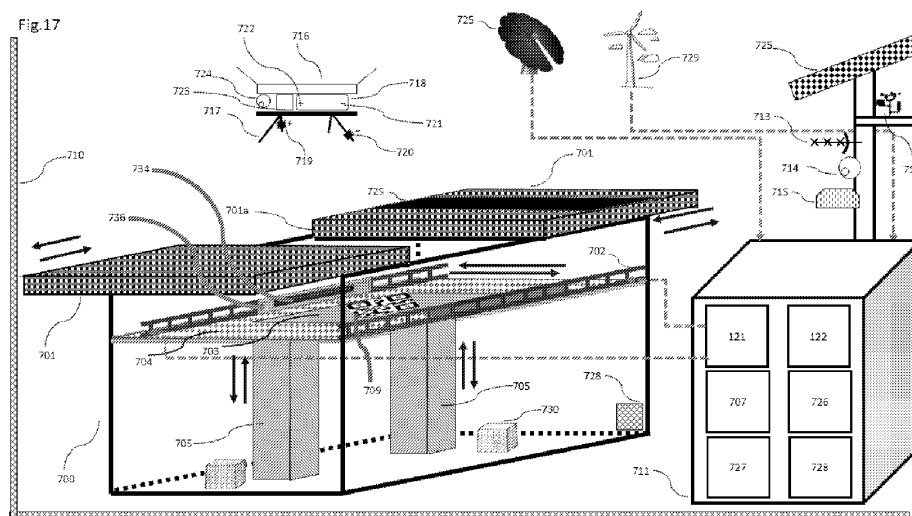
English

(30) Priority Data:

10201800995P 05 February 2018 (05.02.2018) SG
10201808859S 08 October 2018 (08.10.2018) SG

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(54) Title: LANDING PLATFORM WITH IMPROVED CHARGING FOR UNMANNED VEHICLES



(57) **Abstract:** An unmanned vehicle module (700) with a landing platform (703) and deployment system with improved charging capability is provided, the unmanned vehicle module including a landing and deployment area for receiving or deploying an unmanned vehicle (UAV). The landing area includes a smart device for precision landing, alignment mechanisms for the self-alignment of the UAV (716) for establishing electrical contact with different charging mechanisms located on-board of the UAV and on the landing platform of the landing platform and deployment system, an automatic charging mechanism integrated into the landing and deployment system, and the tools needed to recharge the on-board energy storage and conversion device. The unmanned vehicle module also has charging contacts (719, 720), an electrical energy storage and conversion device and an UAV alignment mechanism (701a, 702) including four beams for moving the UAV into the predetermined charging region.

[Continued on next page]

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(81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(48) **Date of publication of this corrected version:**
19 September 2019 (19.09.2019)

(15) **Information about Correction:**
see Notice of 19 September 2019 (19.09.2019)