

(19)



(11)

EP 3 728 030 B8

(12)

CORRECTED EUROPEAN PATENT SPECIFICATION

(15) Correction information:

Corrected version no 1 (W1 B1)

Corrections, see

Bibliography INID code(s) 73

(48) Corrigendum issued on:

23.04.2025 Bulletin 2025/17

(45) Date of publication and mention
of the grant of the patent:

19.03.2025 Bulletin 2025/12

(21) Application number: **18891650.6**

(22) Date of filing: **19.12.2018**

(51) International Patent Classification (IPC):

B64C 39/02 (2023.01) B64D 1/02 (2006.01)

B64C 1/14 (2006.01)

(52) Cooperative Patent Classification (CPC):

B64D 1/10; B64U 10/10; B64U 10/14;

B64U 2101/64; B64U 2201/10; B64U 2201/20

(86) International application number:

PCT/US2018/066410

(87) International publication number:

WO 2019/126275 (27.06.2019 Gazette 2019/26)

(54) **METHODS AND SYSTEMS FOR DOOR-ENABLED LOADING AND RELEASE OF PAYLOADS IN AN UNMANNED AERIAL VEHICLE (UAV)**

VERFAHREN UND SYSTEME FÜR TÜRAKTIVIERTES LADEN UND FREISETZEN VON
NUTZLASTEN IN EINEM UNBEMANNTEN LUFTFAHRZEUG (UAV)

PROCÉDÉS ET SYSTÈMES DE CHARGEMENT ET DE LIBÉRATION ACTIVÉS PAR PORTE DE
CHARGES UTILES DANS UN VÉHICULE AÉRIEN SANS PILOTE (UAV)

(84) Designated Contracting States:

**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR**

(30) Priority: **21.12.2017 US 201715850705**

(43) Date of publication of application:

28.10.2020 Bulletin 2020/44

(73) Proprietor: **Wing Aviation LLC**

Palo Alto, CA 94304 (US)

(72) Inventors:

• **PRAGER, Andre**
Mountain View, CA 94043 (US)

• **WOODWORTH, Adam**

Mountain View, CA 94043 (US)

(74) Representative: **Anderson, Oliver Ben et al**

Venner Shipley LLP

200 Aldersgate

London EC1A 4HD (GB)

(56) References cited:

WO-A1-2013/123944

WO-A1-2017/183551

WO-A2-2015/076886

CN-A- 104 743 121

CN-A- 107 444 643

DE-U1- 202017 005 797

KR-A- 20170 049 516

US-A1- 2016 016 664

US-A1- 2016 033 966

US-A1- 2017 320 572

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).