

Title (en)

PASSENGER CARRYING UNMANNED AERIAL VEHICLE POWERED BY A HYBRID GENERATOR SYSTEM

Title (de)

PASSAGIERBEFÖRDENDEN, UNBEMANNTES, DURCH EIN HYBRIDGENERATORSYSTEM ANGETRIEBENES LUFTFAHRZEUG

Title (fr)

VÉHICULE AÉRIEN SANS PILOTE DE TRANSPORT DE PASSAGER ALIMENTÉ PAR UN SYSTÈME DE GÉNÉRATEUR HYBRIDE

Publication

EP 3455130 A1 20190320 (EN)

Application

EP 17796970 A 20170512

Priority

- US 201662335938 P 20160513
- US 201662339284 P 20160520
- US 201762458163 P 20170213
- US 2017032493 W 20170512

Abstract (en)

[origin: WO2017197316A1] An unmanned aerial vehicle includes at least one rotor motor configured to drive at least one propeller to rotate; a passenger compartment sized to contain a human or animal passenger; and a hybrid generator system configured to provide power to the at least one rotor motor and to generate lift sufficient to carry the human or animal passenger. The hybrid generator system includes a rechargeable battery configured to provide power to the at least one rotor motor; an engine configured to generate mechanical power; and a generator motor coupled to the engine and configured to generate electrical power from the mechanical power generated by the engine.

IPC 8 full level

B64C 39/02 (2006.01); **B64C 27/00** (2006.01); **B64C 27/16** (2006.01); **B64C 27/32** (2006.01); **B64C 29/00** (2006.01); **B64C 29/02** (2006.01)

CPC (source: EP)

B64C 29/0025 (2013.01); **B64D 27/02** (2013.01); **B64D 27/026** (2024.01); **B64D 27/24** (2013.01); **B64U 50/11** (2023.01); **B64U 50/12** (2023.01); **B64U 50/19** (2023.01); **B64U 50/34** (2023.01); **B64U 10/16** (2023.01); **B64U 30/29** (2023.01); **B64U 2101/61** (2023.01); **B64U 2201/20** (2023.01); **B64U 2201/202** (2023.01); **Y02T 50/40** (2013.01); **Y02T 50/60** (2013.01)

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017197316 A1 20171116; EP 3455130 A1 20190320; EP 3455130 A4 20200318; JP 2019516611 A 20190620

DOCDB simple family (application)

US 2017032493 W 20170512; EP 17796970 A 20170512; JP 2018559830 A 20170512