

Title (en)

AIRCRAFT, PREFERABLY UNMANNED

Title (de)

FLUGGERÄT, BEVORZUGT UNBEMANNT

Title (fr)

AVION, DE PRÉFÉRENCE SANS ÉQUIPAGE

Publication

**EP 2855263 A1 20150408 (DE)**

Application

**EP 13725987 A 20130531**

Priority

- DE 102012104783 A 20120601
- EP 2013061241 W 20130531

Abstract (en)

[origin: WO2013178776A1] The invention relates to an aircraft (1), preferably an unmanned aircraft (UAV), drone, or unmanned aerial system (UAS), comprising a rigid wing (2), which enables aerodynamic horizontal flight, and at least four rotors (4, 4'), which are driven by means of controllable electric motors (5) and which can be pivoted between a vertical starting position and a horizontal flight position by means of a pivoting mechanism (7), wherein all electric motors (5) and rotors (4) are arranged on the wing (2).

IPC 8 full level

**B64C 29/00** (2006.01); **B64C 39/02** (2006.01); **B64D 27/24** (2006.01)

CPC (source: EP US)

**B64C 29/0033** (2013.01 - EP US); **B64D 27/24** (2013.01 - EP US); **B64U 10/20** (2023.01 - EP US); **B64U 30/293** (2023.01 - EP US);  
**B64U 30/297** (2023.01 - EP US); **B64U 50/13** (2023.01 - EP US); **B64U 50/19** (2023.01 - EP US); **B64C 2211/00** (2013.01 - EP US);  
**B64U 10/25** (2023.01 - EP US); **B64U 30/10** (2023.01 - EP US); **B64U 2101/31** (2023.01 - US); **Y02T 50/60** (2013.01 - EP US)

Citation (search report)

See references of WO 2013178776A1

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 2013178776 A1 20131205**; CN 104364154 A 20150218; DE 102012104783 A1 20131224; DE 102012104783 B4 20191224;  
EP 2855263 A1 20150408; US 2015136897 A1 20150521

DOCDB simple family (application)

**EP 2013061241 W 20130531**; CN 201380028854 A 20130531; DE 102012104783 A 20120601; EP 13725987 A 20130531;  
US 201314404195 A 20130531