

Title (en)

CONTROL DEVICE AND CONTROL METHOD FOR REMOTELY-CONTROLLED TOY AIRPLANE

Title (de)

STEUERVORRICHTUNG UND STEUERVERFAHREN FÜR FERNGESTEUERTES SPIELZEUGFLUGZEUG

Title (fr)

DISPOSITIF DE COMMANDE ET PROCÉDÉ DE COMMANDE POUR MODÈLE RÉDUIT D'AVION TÉLÉCOMMANDÉ

Publication

**EP 2842613 A4 20160106 (EN)**

Application

**EP 12875370 A 20120907**

Priority

- CN 201210125886 A 20120426
- CN 2012081156 W 20120907

Abstract (en)

[origin: EP2842613A1] The disclosure herein provides a control device for remote-controlled toy planes, including a power module, a main control module, and a flight control module, wherein a height detection module is also included, which is used to send a signal and receive the signal that are sent by itself and reflected back and a signal sent by a remote controller. The height control module is used to receive a height control signal after decoding and control a electric motor drive to adjust the flight height of the toy aircraft so as to realize automatic hovering of the toy aircraft and one-click take-off. It is easy and convenient to operate for toy aircraft lovers of different levels and is also widely applicable to model aircrafts or other unmanned aerial vehicles for aloftwork, which gives the control device a promising future.

IPC 8 full level

**A63H 27/20** (2006.01); **A63H 30/04** (2006.01)

CPC (source: EP)

**A63H 27/02** (2013.01); **A63H 30/04** (2013.01)

Citation (search report)

- [X1] US 2004245378 A1 20041209 - NONAMI KENZO [JP], et al
- [X1] US 2012091259 A1 20120419 - MORRIS JOHN WILLIAM [US], et al
- [X1] JP H11115896 A 19990427 - KOMATSU MFG CO LTD
- [E] EP 2497555 A1 20120912 - PARROT [FR]
- See references of WO 2013159480A1

Cited by

CN106444825A; CN110531789A

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

DOCDB simple family (publication)

**EP 2842613 A1 20150304; EP 2842613 A4 20160106; EP 2842613 B1 20200122**; CN 102657941 A 20120912; CN 102657941 B 20150429; WO 2013159480 A1 20131031

DOCDB simple family (application)

**EP 12875370 A 20120907**; CN 2012081156 W 20120907; CN 201210125886 A 20120426