

Title (en)
METHOD FOR NAVIGATING AN AERIAL DRONE IN THE PRESENCE OF AN INTRUDING AIRCRAFT, AND DRONE FOR IMPLEMENTING SAID METHOD

Title (de)
VERFAHREN ZUR NAVIGATION EINER FLUGDROHNE IN GEGENWART EINES EINDRINGENDEN FLUGZEUGS UND DROHNE ZUR DURCHFÜHRUNG DES BESAGTEN VERFAHRENS

Title (fr)
PROCEDE DE NAVIGATION D'UN DRONE AERIEN EN PRESENCE D'UN AERONEF INTRUS ET DRONE POUR LA MISE EN OEUVRE DE CE PROCEDE

Publication
EP 3143608 A1 20170322 (FR)

Application
EP 15720330 A 20150430

Priority
• FR 1454215 A 20140512
• EP 2015059603 W 20150430

Abstract (en)
[origin: WO2015173033A1] The invention relates to a method for navigating an aerial drone in the presence of at least one intruding aircraft in an area surrounding the drone, wherein an estimated distance between the drone and the intruding aircraft is calculated from a power of the received signal and validated if an estimated value of positioning data calculated by the drone using the estimated distance corresponds substantially to a measured value of the positioning data. The invention also relates to an aerial drone arranged for the implementation of said method.

IPC 8 full level
G08G 5/04 (2006.01); **G08G 5/00** (2006.01)

CPC (source: CN EP RU US)
G08G 5/0069 (2013.01 - CN EP US); **G08G 5/0078** (2013.01 - EP US); **G08G 5/04** (2013.01 - RU); **G08G 5/045** (2013.01 - CN EP US); **G08G 5/0078** (2013.01 - CN)

Citation (examination)
• US 2011160950 A1 20110630 - NADERHIRN MICHAEL [AT], et al
• US 2011169684 A1 20110714 - MARGOLIN JED [US]
• EP 2136222 A1 20091223 - SAAB AB [SE]
• US 2010198514 A1 20100805 - MIRALLES CARLOS THOMAS [US]
• EP 2600330 A1 20130605 - HONEYWELL INT INC [US]
• US 2010231705 A1 20100916 - YAHAV DROR [IL], et al
• US 2008177427 A1 20080724 - MARTY NICOLAS [FR], et al
• WO 2013164237 A1 20131107 - SAGEM DEFENSE SECURITE [FR]
• See also references of WO 2015173033A1

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)
FR 3020892 A1 20151113; FR 3020892 B1 20160527; CN 106463066 A 20170222; CN 106463066 B 20210611; EP 3143608 A1 20170322; IL 248823 A0 20170131; MX 2016014766 A 20170824; MX 360561 B 20181107; RU 2016148537 A 20180613; RU 2016148537 A3 20180613; RU 2661242 C2 20180713; US 10157547 B2 20181218; US 2017178519 A1 20170622; WO 2015173033 A1 20151119

DOCDB simple family (application)
FR 1454215 A 20140512; CN 201580024800 A 20150430; EP 15720330 A 20150430; EP 2015059603 W 20150430; IL 24882316 A 20161108; MX 2016014766 A 20150430; RU 2016148537 A 20150430; US 201515310015 A 20150430