

Title (en)

METHOD AND SYSTEM FOR ELECTRONICALLY CONTROLLING THE MOVEMENT OF A SERVO-ASSISTED DEVICE FOR RECEIVING AND/OR TRANSMITTING AND/OR REFLECTING ELECTROMAGNETIC RADIATIONS

Title (de)

VERFAHREN UND SYSTEM ZUR ELEKTRONISCHEN STEUERUNG DER BEWEGUNG EINER SERVOUNTERSTÜTZTEN VORRICHTUNG ZUR AUFNAHME UND/ODER ÜBERTRAGUNG UND/ODER REFLEXION ELEKTROMAGNETISCHER STRAHLUNGEN

Title (fr)

PROCÉDÉ ET SYSTÈME DE COMMANDE ÉLECTRONIQUE DU MOUVEMENT D'UN DISPOSITIF SERVO-ASSISTÉ POUR RECEVOIR ET/OU ÉMETTRE ET/OU RÉFLÉCHIR DES RAYONNEMENTS ÉLECTROMAGNÉTIQUES

Publication

EP 4095480 A1 20221130 (EN)

Application

EP 22172570 A 20220510

Priority

IT 202100013952 A 20210528

Abstract (en)

A control method (100) for electronically controlling the movement of a servo-assisted device (3) for receiving and/or transmitting and/or reflecting electromagnetic radiations, comprising the steps of:- acquiring (101) first sensor data by means of at least one first sensor (s1, s2);- acquiring (201) second sensor data by means of at least one second sensor (s2, s3);- processing (102) the first sensor data to synthesize a first control signal (cs1) by means of a first algorithm for controlling the movement of the servo-assisted device (3);- processing (202) the second sensor data to synthesize a second control signal (cs2) by means of a second algorithm for controlling the movement of the servo-assisted device (3), the step of processing (202) the second sensor data being carried out in parallel with the step of processing (102) the first sensor data;- performing an integrity check (103) of the first sensor data and/or of said first control signal (cs1) to determine if said first sensor data and/or said first control signal (cs1) are intact or compromised;- if it is determined from said integrity check step (103) that said first sensor data and/or said first control signal (cs1) are intact, providing the servo-assisted device (3) with the first control signal (cs1); otherwise- providing (204) the servo-assisted device (3) with the second control signal (cs2).

IPC 8 full level

F41G 7/22 (2006.01); **H01Q 1/28** (2006.01); **H01Q 3/02** (2006.01); **H01Q 3/08** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP)

F41G 7/2213 (2013.01); **F41G 7/2246** (2013.01); **F41G 7/2286** (2013.01)

Citation (applicant)

EP 2887455 A1 20150624 - MBDA ITALIA SPA [IT]

Citation (search report)

- [XAI] EP 1020699 A1 20000719 - BODENSEEWERK GERAETETECH [DE]
- [IJ] EP 3136047 A1 20170301 - NEC CORP [JP]
- [A] US 7741991 B1 20100622 - MACBEAN PETER JAMES [GB]

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4095480 A1 20221130; **EP 4095480 B1 20240703**; IT 202100013952 A1 20221128

DOCDB simple family (application)

EP 22172570 A 20220510; IT 202100013952 A 20210528