

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

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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
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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)
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