

Title (en)

METHOD FOR MONITORING THE DEVELOPMENT OF THE FLIGHT PLAN OF A CO-OPERATING AIRCRAFT

Title (de)

VERFAHREN ZUR ÜBERWACHUNG DER ENTWICKLUNG DES FLUGPLANS EINES KOOPERIERENDEN FLUGZEUGS

Title (fr)

PROCEDE DE SUIVI DU DEROULEMENT DU PLAN DE VOL D'UN AERONEF COOPERATIF

Publication

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Application

EP 04818150 A 20041103

Priority

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- FR 0312930 A 20031104

Abstract (en)

[origin: WO2005045785A1] The invention relates to a system for air traffic management ATM with co-operating aircrafts that are provided with a flight management calculator FMS, are connected to the control authority via a data transmission system ATN, and have presented a flight plan to the control authority. According to the inventive method, the projections SPWP_{i,j} of pseudo-points of passage PWP_{i,j} on the flight plan (LTFP), introduced by the FMS calculator during softened lateral transitions (between two flight plan segments) and/or vertical transitions (between two slope breaks) carried out by the aircraft at the moment of the instruction changes described in the flight plan (LTFP), are communicated to the control authority via the ATN link. Said information enables the control authority to estimate more precisely the future real position of the aircraft and the instruction changes, and thus to increase the level of security, especially for traffic separation.

IPC 8 full level

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