

Title (en)

Method to form the safe confidence range of a position fixing solution

Title (de)

Verfahren zum Bilden des sicherheitsrelevanten Vertrauensintervalls einer Ortungslösung

Title (fr)

Procédé pour former un intervalle de confiance de sécurité d'une solution de localisation

Publication

EP 0881136 B1 20030102 (DE)

Application

EP 98105117 A 19980320

Priority

DE 19722899 A 19970529

Abstract (en)

[origin: EP0881136A2] The method involves temporally and locally offset individual location measurements from which confidence intervals (VIP1, VIP2, VIPn) are updated. A predetermined minimum number of individual confidence intervals lead up to a reference point (tb). Maximal upper and lower limits of all intervals form the boundaries of a safety-relevant interval (SVIPb). The vehicle's actual position is obtained with regard to the reset limits by displacement-dependent update of the limit values.

IPC 1-7

B61L 25/02; G01C 21/20

IPC 8 full level

B61L 3/00 (2006.01); **B61L 25/02** (2006.01); **G01C 21/20** (2006.01)

CPC (source: EP)

B61L 15/0092 (2024.01); **B61L 25/025** (2013.01); **B61L 25/026** (2013.01); **B61L 2205/04** (2013.01)

Cited by

CN110475704A; AU2005229358B2; EP1642800A1; EP2927089A1; FR3019676A1; EP3028922A1; FR3029674A1; US8326784B2; US11772693B2; US7769538B2; WO2018177677A1; WO2005095174A1; EP2927089B1

Designated contracting state (EPC)

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