

Title (en)
METHOD AND APPARATUS FOR RECONSTRUCTING TIME OF TRANSIT FROM ASSISTED OR WEAK SIGNAL GPS OBSERVATIONS

Title (de)
VERFAHREN UND VORRICHTUNG ZUM REKONSTRUIEREN DER TRANSITZEIT AUS UNTERSTÜTZTEN ODER SCHWACHSIGNAL-GPS-BEOBACHTUNGEN

Title (fr)
PROCEDE ET APPAREIL PERMETTANT DE RECONSTRUIRE LA DUREE DE TRANSMISSION A PARTIR D'OBSERVATIONS DE GPS ASSISTE OU A FAIBLE SIGNAL

Publication
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Application
EP 06788960 A 20060728

Priority

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- US 46078406 A 20060728
- US 70363705 P 20050729

Abstract (en)
[origin: WO2007016474A2] The invention provides a GPS device that resolves timing errors as applicable to an AGPS navigation solution. A single state algorithm provides rapid convergence, typical with standard Newton-Raphson performance. Problems due to ill-conditioning of the input matrix are identified by an augmented DOP calculation procedure, which may be used to identify unreliable results or to estimate the errors for those results.

IPC 8 full level
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CPC (source: EP)
G01S 19/256 (2013.01)

Citation (search report)

- [A] US 6215442 B1 20010410 - SHEYNBLAT LEONID [US], et al
- [A] US 6072428 A 20000606 - SCHIPPER JOHN F [US], et al
- See references of WO 2007016474A2

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