

Title (en)

ADAPTIVE ESTIMATION OF GNSS SATELLITE BIASES

Title (de)

ADAPTIVE SCHÄTZUNG VON GNSS-SATELLITENVORSPANNUNGEN

Title (fr)

ESTIMATION ADAPTATIVE DE BIAIS DE SATELLITES GNSS

Publication

EP 4285155 A2 20231206 (EN)

Application

EP 21916671 A 20211217

Priority

- US 202163143921 P 20210131
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- US 202117302572 A 20210506
- US 2021072995 W 20211217

Abstract (en)

[origin: WO2022173528A2] A first pair of a wide-lane (WL), zero-difference (ZD) bias filter and corresponding supplemental WL bias predictive filter determines the time -variant wide-lane bias for a corresponding received satellite based on adaptive estimation responsive to tuned dynamic noise (S820). A second pair of narrow-lane (NL), zero-difference (ZD) bias filter and corresponding NL bias filter/code -phase bias filter determines the time-variant NL bias for a corresponding satellite based on adaptive estimation on adaptive estimation responsive to tuned dynamic noise (S822). A correction signal comprises the WL ambiguities, the time-variant WL bias and the NL ambiguities and the time -variant NL bias, for each received satellite within a corresponding GNSS constellation (S824).

IPC 8 full level

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CPC (source: EP)

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Designated extension state (EPC)

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