

Title (en)

METHOD FOR PROCESSING A RADIONAVIGATION SIGNAL GENERATED BY A SATELLITE

Title (de)

VERFAHREN ZUR VERARBEITUNG EINES VON EINEM SATELLITEN ERZEUGTEN FUNKNAVIGATIONSSIGNALS

Title (fr)

PROCÉDÉ DE TRAITEMENT D'UN SIGNAL DE RADIONAVIGATION ISSU D'UN SATELLITE

Publication

**EP 4168829 A1 20230426 (FR)**

Application

**EP 21740152 A 20210622**

Priority

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Abstract (en)

[origin: WO2021260315A1] The invention relates to a method for processing a radionavigation signal generated by a satellite (SAT), said method comprising the following steps implemented in a processing unit of a radionavigation receiver: converting (102) the radionavigation signal into the frequency domain by means of a complex Fourier transform so as to obtain a frequency-domain radionavigation signal comprising a real part I and an imaginary part Q, the real part I having an amplitude I2 associated with one frequency; determining (103) a distribution law of the amplitude I2 of the real component I of the frequency-domain radionavigation signal; determining (104) an amplitude of the real component for which the distribution function is zero, said amplitude defining a threshold; processing (105) the frequency-domain radionavigation signal so as to filter components the amplitude of which is higher than the determined threshold.

IPC 8 full level

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CPC (source: EP US)

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