

Title (en)

Method for determining the track course of a track bound vehicle

Title (de)

Verfahren zur Bestimmung des Spurverlaufes eines schienengebundenen Fahrzeugs

Title (fr)

Method for determining the track course of a track bound vehicle

Publication

EP 2796337 B1 20151209 (EN)

Application

EP 13164791 A 20130422

Priority

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Abstract (en)

[origin: EP2796337A1] Method for determining the track course of a track bound vehicle, the method comprising the following steps: a) defining a first error distribution of a curvature determination error for a plurality of erroneously measured track curvatures around a first estimated curvature value k_1 , b) defining a first threshold T_1 according to a predefined first wrong decision probability, whereby any measured track curvature beyond this threshold is considered not to be the first estimated curvature value k_1 , c) defining a second error distribution of a curvature determination error for a plurality of erroneously measured track curvatures around a second estimated curvature value k_2 , the first estimated curvature value k_1 being smaller than the second estimated curvature value k_2 , d) defining a second threshold T_2 according to a predefined second wrong decision probability, whereby any measured track curvature beyond this threshold is considered not to be the second estimated curvature value k_2 , the second threshold T_2 being located on this end of the second error distribution facing towards the first error distribution, e) whereby the distance between the first and second estimated curvature values k_1 and k_2 is chosen such that $T_1 = T_2$ or $T_1 < T_2$, f) measuring a track curvature of the track bound vehicle, whereby the measured curvature value is considered to be k_1 if it is $< T_1$ and is considered to be k_2 if it is $> T_2$.

IPC 8 full level

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CPC (source: EP)

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Cited by

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