

Title (en)

METHOD FOR COUNTING AXLES WITH COMPUTER-AIDED EVALUATION

Title (de)

VERFAHREN ZUM ZÄHLEN VON ACHSEN MIT RECHNERGESTÜTZTER AUSWERTUNG

Title (fr)

PROCÉDÉ DE COMPTAGE DES ESSIEUX À ÉVALUATION ASSISTÉE PAR ORDINATEUR

Publication

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Application

**EP 21188561 A 20210729**

Priority

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Abstract (en)

[origin: CN115675568A] The invention relates to a method for counting axles, in which a wheel passes through an axle counter sensor mounted on a track, the axle counter sensor generates a measurement signal (U1... U2), and a curve (VL1... VL2) of the measurement signal (U1... U2) is evaluated in a computer-aided manner in order to distinguish the wheel. When evaluating the measurement signal (U1... U2), at least one maximum value (M1... M4) of the signal amplitude is found in a curve (VL1... VL2) of the measurement signal (U1... U2). A dynamic temporal normalization is performed for the curves (VL1... VL2) of the measurement signal (U1... U2) before and after the maximum value (M1... M4). The curve (NV1... NV2) of the measurement signal (U1... U2) normalized by amplitude normalization and time normalization is compared with a pattern of at least one curve (VL1... VL2) for the measurement signal (U1... U2) when a wheel (RD) passes and a pattern (M1... M2) of at least one curve (VL1... VL2) for the measurement signal (U1... U2) when an error occurs. In addition, the invention also comprises a computer program product and a providing device for the computer program product.

IPC 8 full level

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