

Title (en)
Arrangement and method for detecting track bound traffic

Title (de)
Anordnung und Verfahren zur Detektion von Schienenverkehr

Title (fr)
Agencement et procédé de détection de trafic lié aux rails

Publication
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Application
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Abstract (en)
[origin: EP2112045A1] One or several balises (1, 2) used to transmit telegrams to passing railway trains and a lineside electronic unit (8) connected to the balises (1, 2) bear alternating current fed loops (4.1, 4.2, 4.L, 4.R) sensing a signal representing the underside structure of a passing train (9). The signal is used for track occupancy detection and train length determination. In a preferred embodiment, the signal is provided by the loop impedance variations induced by permeable material of a passing train's underside.

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CPC (source: EP)
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Cited by
JP2014004991A; ES2779951A1; EP3461716A1; CN113067650A; GB2582936A; US2016144877A1; US9561814B2; DE102017212933A1; EP4324717A1; WO2020169861A1

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