

Title (en)
WHEEL SENSOR

Title (de)
RADSENSOR

Title (fr)
CAPTEUR DE ROUE

Publication
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Application
EP 10765628 A 20101014

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Abstract (en)
[origin: WO2011054646A1] The invention relates to a wheel sensor, in particular for a track vacancy detection system, comprising at least one track-side inductive sensor device for detecting a magnetic field change as a result of the wheels (7) of a rail vehicle traveling over the track, wherein the sensor device comprises coils (3, 4; 10, 11) for compensating for interfering magnetic fields. In order to achieve particularly effective interference field suppression, according to the invention a transmitting coil (2, 9) supplied with alternating current and a receiving coil system are provided, which has a first receiving coil (3, 10) and a second receiving coil (4, 11) connected thereto in a duplex connection for suppressing external interference fields, wherein the first receiving coil (3, 10) is arranged above and the second receiving coil (4, 11) is arranged below the transmitting coil (2, 9).

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