

Title (en)  
WHEEL SENSOR

Title (de)  
RADSENSOR

Title (fr)  
CAPTEUR DE ROUE

Publication  
**EP 2349810 A1 20110803 (DE)**

Application  
**EP 09736400 A 20091005**

Priority  
• EP 2009062913 W 20091005  
• DE 102008056481 A 20081105

Abstract (en)  
[origin: WO2010052081A1] The invention relates to a wheel sensor (1), particularly for track release signaling systems, comprising at least one sensor device having an AC-fed sensor coil (2, 6) of an electric oscillating circuit sensitive to an inductive interaction of the sensor coil (2, 6) with passing wheels (20) of rail vehicles, and a further spool (3, 7), which is connected to the sensor coil (2, 6) for suppressing external interference fields in a counter circuit. According to the invention, the further coil (3, 7) is arranged underneath the sensor coil (2, 6), wherein the distance (A) between the further coil (3, 7) and the sensor coil (2, 6) is at least one third of the inside diameter (D) of the sensor coil (2, 6).

IPC 8 full level  
**B61L 1/16** (2006.01)

CPC (source: EP US)  
**B61L 1/162** (2013.01 - EP US); **B61L 1/165** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010052081A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102008056481 A1 20100506**; CN 102202953 A 20110928; CN 102202953 B 20150617; EP 2349810 A1 20110803; EP 2349810 B1 20140813; US 2011210213 A1 20110901; US 8590845 B2 20131126; WO 2010052081 A1 20100514

DOCDB simple family (application)  
**DE 102008056481 A 20081105**; CN 200980144035 A 20091005; EP 09736400 A 20091005; EP 2009062913 W 20091005; US 200913127844 A 20091005