

Title (en)
Wheel sensor and arrangement

Title (de)
Radsensor und Anordnung

Title (fr)
Déecteur de roue et arrangement

Publication
EP 1288098 B1 20081231 (DE)

Application
EP 02090264 A 20020717

Priority
DE 10137519 A 20010730

Abstract (en)
[origin: DE10137519A1] An inductive sensor on a railway line detects a change in a magnetic field as the iron wheels of a railway vehicle pass over a rail. A system with first (La) and second (Li) coreless coils compensates for interfering magnetic fields (\vec{B}_s). The first coreless coil optimizes this compensating effect along with the second coreless coil that fits inside the first coreless coil and generates a magnetic field in an opposite direction during a combined supply of current.

IPC 8 full level
B61L 1/16 (2006.01)

CPC (source: EP)
B61L 1/165 (2013.01)

Cited by
EP2305533A3; DE102009007068A1; EP3569466A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
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