

Title (en)  
BALISE FOR A RAILWAY TRACK

Title (de)  
BALISE FÜR EISENBAHNGLEISE

Title (fr)  
BALISE POUR UNE VOIE FERRÉE

Publication  
**EP 3406502 B1 20240501 (EN)**

Application  
**EP 17172467 A 20170523**

Priority  
EP 17172467 A 20170523

Abstract (en)  
[origin: EP3406502A1] A balise to be arranged between the two rails of a railway track has a transmitter loop (5) surrounding a receiver loop (2). The transmitter loop has at at least one location along the extension thereof at least one extra turn (11, 12), which encloses an area being a fraction of the area enclosed by the transmitter loop and is designed to have a current (I t ) flowing through the transmitter loop running through the extra turn while generating a magnetic field felt by the receiver loop being opposed to a magnetic field felt by the receiver loop through the current running through the part of the transmitter loop not belonging to a said extra turn (11, 12).

IPC 8 full level  
**B61L 3/12** (2006.01)

CPC (source: EP)  
**B61L 3/121** (2013.01)

Cited by  
EP3766755A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 3406502 A1 20181128; EP 3406502 B1 20240501**; PT 3406502 T 20240527

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