

Title (en)

System for optimizing the steering of railway axles

Title (de)

System zur Optimierung der Lenkung von Eisenbahnradsätzen

Title (fr)

Système pour optimiser l'orientation d'essieux ferroviaires

Publication

**EP 1323610 B1 20041020 (EN)**

Application

**EP 02380246 A 20021202**

Priority

ES 200102892 A 20011227

Abstract (en)

[origin: EP1323610A1] A system for optimizing the automatic steering of a wheelset (1) with independent wheels (4) in which a rolling parameter of each of said wheels is continuously sensed, with the parameters detected on the two wheels of a single wheelset being continuously compared and with the steering of said wheelset being controlled, in response to variations detected in said relationship, by means of actuating mechanisms (15) to change the position of, at least, one steering bar (13) on said wheelset. Preferably, said parameter sensed is the speed of rotation of each wheel (4) and steering is performed using means that act upon at least one of the steering bars (9,13) of said wheelset (1) in response to variations in the result of said continuous comparison in relation to a pre-set benchmark that is based on the radii of each of said wheels (4) and their speed of rotation at a particular time. <IMAGE>

IPC 1-7

**B61F 5/38**

IPC 8 full level

**B61F 5/38** (2006.01)

CPC (source: EP ES)

**B61F 5/386** (2013.01 - EP ES)

Cited by

RU202640U1; RU2711010C1; AT524550A4; AT524550B1; US8485109B2; WO2008155185A1

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 SI SK TR

DOCDB simple family (publication)

**EP 1323610 A1 20030702; EP 1323610 B1 20041020**; AT E280063 T1 20041115; DE 60201651 D1 20041125; ES 2195756 A1 20031201; ES 2195756 B1 20050301

DOCDB simple family (application)

**EP 02380246 A 20021202**; AT 02380246 T 20021202; DE 60201651 T 20021202; ES 200102892 A 20011227