

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 A1 20030702 (EN)

Application

EP 02380246 A 20021202

Priority

ES 200102892 A 20011227

Abstract (en)

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)

Citation (search report)

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