

Title (en)

Rail vehicle with variable axel geometry

Title (de)

SCHIENENFAHRZEUG MIT VARIABLER ACHSGEOMETRIE

Title (fr)

Véhicule sur rails doté d'une géométrie d'essieu variable

Publication

EP 2552761 B1 20200617 (DE)

Application

EP 11714719 A 20110328

Priority

- EP 10158173 A 20100329
- EP 2011054719 W 20110328
- EP 11714719 A 20110328

Abstract (en)

[origin: EP2371656A1] The vehicle (S) has axles (A1) i.e. wheel sets, rotatably supported around a rotating point, and actuators (AKT1, AKT2) connected to sides of the axles, respectively, where ends of the actuators are connected with a frame of the vehicle. Horizontal angle positions (α_1 , α_2) of the respective axles opposite to the frame are adjusted by modulation of lengths of the actuators during the operation of the vehicle, such that a preset transverse displacement and a preset shaft angle (α) are achieved, where the displacement and the angle are determined by a model-based method.

IPC 8 full level

B61F 5/38 (2006.01)

CPC (source: EP RU US)

B61F 5/38 (2013.01 - EP RU US)

Citation (examination)

- EP 0387742 A1 19900919 - ALSTHOM CREUSOT RAIL [FR]
- EP 0368403 A1 19900516 - SOCIMI [IT]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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