

Title (en)

Running gear with adjustable gauge for railway vehicles (keyword: swing arm guidance)

Title (de)

Spurwechselfahrwerk für Schienenfahrzeuge (Stichwort: Schwingenführung)

Title (fr)

Train de roulement à écartement variable pour véhicules ferroviaires (mot clef : guidage à bras oscillant)

Publication

EP 1340664 A1 20030903 (DE)

Application

EP 03001888 A 20030129

Priority

DE 10208542 A 20020227

Abstract (en)

The variable gauge running gear for rail vehicles has four wheels (1) and elements for the positioning and locking of the track width. The wheels and an associated wheel hub drive (2) are installed in a swinging arm (3), whereby the swinging arms are connected to horizontal bearing axles (4) on a chassis frame and for track change are movable on them in the transverse direction. The range of travel of the swinging arms in the transverse direction is limited on both sides by fixed stop (5), with the swinging arms being lockable in their two end positions.

Abstract (de)

Ein Spurwechselfahrwerk für Schienenfahrzeuge hat vier Räder (1) und Elemente zum Positionieren und Verriegeln der Spurweite. Die Räder (1) und ein zugehöriger Radnabenantrieb (2) sind jeweils in einer Schwinge (3) angeordnet sind, wobei die Schwingen (3) an einem Fahrwerkrahmen an horizontalen Lagerachsen (4) angelenkt und für den Spurwechsel auf diesen Lagerachsen (4) in Querrichtung verschiebbar sind. <IMAGE>

IPC 1-7

B61F 7/00; **B61F 3/16**; **B61F 5/32**

IPC 8 full level

B61F 3/16 (2006.01); **B61F 5/32** (2006.01); **B61F 7/00** (2006.01)

CPC (source: EP)

B61F 3/16 (2013.01); **B61F 5/325** (2013.01); **B61F 7/00** (2013.01)

Citation (search report)

- [YA] EP 0648659 A1 19950419 - INVASTESA [ES]
- [YA] DE 4240720 A1 19940609 - SIEMENS AG [DE]
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WO2017202449A1; CN109204359A; CN109695355A; EP3031693A1; CN105691413A; LT6694B; WO2020007071A1

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