

Title (en)

ROLLING MECHANISM FOR RAIL VEHICLE

Title (de)

FAHRWERK FÜR EIN SCHIENENFAHRZEUG

Title (fr)

DISPOSITIF DE ROULEMENT POUR VEHICULE FERROVIAIRE

Publication

**EP 0941191 B1 20000726 (DE)**

Application

**EP 97945664 A 19971203**

Priority

- AT 9700270 W 19971203
- AT 213196 A 19961205

Abstract (en)

[origin: WO9824675A1] The invention relates to a rolling mechanism for a rail vehicle with at least two pairs of wheels (12-15) arranged opposite each other and at right angle to the direction of travel, and rigidly connected with each other by means of one axle each (10, 11). To improve riding properties, lower wear on the axles and rails, permit the raising of vehicle weight and simultaneously create a compact structure, the sliding tracks (16-19) of two wheels (12-15) of one pair located behind each other in the direction of travel are arranged on a common lateral axle (S) in the rolling mechanism frame (5) and controlled desmodromically by a symmetrical control system. This type of rolling mechanism is fitted to a rail vehicle consisting of at least two carriages, which allows for the creation of maximum passenger space and for carriages to be connected by a passageway as short as possible with a low-level floor, whereby the bodies of adjoining carriages are supported on the opposite ends of the frame of the rolling mechanism.

IPC 1-7

**B61F 5/32**; **B61F 3/12**; **B61C 9/52**

IPC 8 full level

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CPC (source: EP)

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