

Title (en)  
RUNNING GEAR FOR RAIL VEHICLES

Title (de)  
FAHRWERK FÜR EIN SCHIENENFAHRZEUG

Title (fr)  
BOGIE POUR UN VEHICULE SUR RAILS

Publication  
**EP 1003660 A1 20000531 (DE)**

Application  
**EP 99926457 A 19990528**

Priority  
• DE 19826448 A 19980613  
• EP 9903697 W 19990528

Abstract (en)  
[origin: WO9965750A1] The invention relates to a running gear for rail vehicles, comprising a frame (1, 2, 3) with four individual wheels (8) which are mounted such that they are able to rotate about horizontal axles (7), one pair of wheels (8, 8) being driven. The aim of the invention is to provide a running gear which with minimal wear, high safety and little constructional complexity is able to drive on tightly curved tracks and can achieve higher speeds on straight tracks. To this end the driven pair of wheels (8, 8) can be guided radially in relation to the curve about a common vertical axis (18) in accordance with a specified value determined by a sensor system, while the non-driven individual wheels (8, 8) are mounted such that they are able to pivot as a self-regulating individual wheel module about their own vertical axis (14, 14) and are coupled together in a synchronized and steering manner by means of a steering device (15, 16).

IPC 1-7  
**B61F 3/16**; **B61F 5/38**

IPC 8 full level  
**B61F 3/16** (2006.01); **B61F 5/38** (2006.01)

CPC (source: EP US)  
**B61F 3/16** (2013.01 - EP US); **B61F 5/386** (2013.01 - EP US)

Designated contracting state (EPC)  
BE DE DK ES FR GB IT PT SE

DOCDB simple family (publication)  
**WO 9965750 A1 19991223**; DE 19826448 A1 20000120; DE 19826448 C2 20010726; DE 59911398 D1 20050210; EP 1003660 A1 20000531; EP 1003660 B1 20050105; HU 223286 B1 20040528; HU P0004688 A2 20010428; HU P0004688 A3 20020128; IL 134497 A0 20010430; IL 134497 A 20040219; NO 20000421 D0 20000127; NO 20000421 L 20000127; PL 337849 A1 20000911; US 6418859 B1 20020716

DOCDB simple family (application)  
**EP 9903697 W 19990528**; DE 19826448 A 19980613; DE 59911398 T 19990528; EP 99926457 A 19990528; HU P0004688 A 19990528; IL 13449799 A 19990528; NO 20000421 A 20000127; PL 33784999 A 19990528; US 48557800 A 20000211