

Title (en)  
Bogie arrangement for a railway vehicle.

Title (de)  
Drehgestellanordnung für ein Schienenfahrzeug.

Title (fr)  
Agencement de bogie pour un véhicule ferroviaire.

Publication  
**EP 0277929 A1 19880810 (EN)**

Application  
**EP 88850027 A 19880125**

Priority  
FI 870324 A 19870126

Abstract (en)  
The invention concerns a bogie arrangement for railway vehicles. The object of the invention is to reduce the number of structural components in the bogie and to provide a radial steering of the wheel sets in the bogie. The bogie arrangement comprises at least two bogies (10,10a) provided with wheels, said bogies consisting of two pivotable bogie frame parts (11,11a, 12,12a) that are linked together. The bogies (10,10a) are coupled to each other mechanically and to the railway vehicle by means of the suspension. The first part (11,11a) and the second part (12,12a) of the bogie frame of each bogie (10,10a) are coupled to each other so that they can pivot both relative the longitudinal axis of the bogie and relative the vertical centre axis of the bogie, and the bogie is suspended by means of a single-stage suspension (17,18) directly on the frame of the railway vehicle. The bogies (10,10a) are connected to each other by means of positive steering so that the axles (15,16,15a,16a) of the wheel sets in each bogie (10,10a) are arranged to be steered in curves substantially radially irrespective of the curve radius (R). The bogies (10,10a) are interconnected by means of a connecting rod (40), which is linked to the first parts (11,11a) of the bogie frames directly and to the second parts (12,12a) of the bogie frames by the intermediate of a set of rods with articulated joints (44 to 46, 44a to 46a).

IPC 1-7  
**B61F 5/38**

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

CPC (source: EP)  
**B61F 5/38** (2013.01)

Citation (search report)  
• [Y] DE 1291352 B 19690327 - ATLAS MAK MASCHINENBAU GMBH  
• [Y] US 4235451 A 19801125 - LERIVEREND JEAN-PAUL M [FR]  
• [A] US 3911830 A 19751014 - ADAMS CLARENCE R

Cited by  
AT525689A1; CN109204358A; KR20100131393A; CN101934799A; EP0649782A1; US5638757A; EP0763455A3; CN106080644A; EP2258597A1; FR2946308A1; CN101905699A; US8056482B2

Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0277929 A1 19880810**; DD 279855 A5 19900620; FI 76296 B 19880630; FI 76296 C 19881010; FI 870324 A0 19870126; NO 173982 B 19931122; NO 173982 C 19940302; NO 880144 D0 19880114; NO 880144 L 19880727; SU 1716966 A3 19920228

DOCDB simple family (application)  
**EP 88850027 A 19880125**; DD 31242288 A 19880125; FI 870324 A 19870126; NO 880144 A 19880114; SU 4355024 A 19880125