

Title (en)  
Bogie of railway vehicle

Title (de)  
Drehgestell für Schienenfahrzeug

Title (fr)  
Bogie de véhicule ferroviaire

Publication  
**EP 2202127 B1 20150722 (EN)**

Application  
**EP 09251097 A 20090415**

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Abstract (en)  
[origin: EP2202127A2] The invention provides a bogie of a railway vehicle capable of reducing the stress applied to the welding portion between brake gear attachments and transoms, promoting weight reduction and cutting down the number of production steps. The bogie of a railway vehicle comprises a bogie frame (5a) composed of side beams (10) which are spaced apart and arranged in parallel and transoms (20) passing through the longitudinal centre portions of the side beams (10), two wheel sets each having wheels (240) attached to both ends of an axle (230), brake gears (56) and air springs (210). Air spring bearing racks (50) are arranged so that both ends of transoms (20) pass through the longitudinal centre portion of the air spring bearing racks, so that the stress caused by the moment applied on the brake gear attachments (54a) during braking can be reduced. Furthermore, since each air spring bearing rack and brake gear attachments (54a) are formed in an integral manner, the number of steps required for manufacturing the components and the number of steps required for attaching the components to the bogie frame can be cut down.

IPC 8 full level  
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Cited by  
CN108032864A; CN112644548A; CN105880893A; CN102923152A; CN103935379A; CN103693064A; CN105313913A; CN112622971A; EP4008601A4; CN105965186A; CN108045397A; CN105965188A; CN108032865A; EP3992053A1; CN103863347A; CN103879426A; CN105965187A; CN110337398A; CN105313914A; CN114084184A; EP4008599A4; WO2022032809A1

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