

Title (en)

Variable gauge bogie for rolling stock

Title (de)

Drehgestell mit veränderlicher Spurweite für Eisenbahn

Title (fr)

Bogie avec écartement variable pour matériel roulant

Publication

EP 0873929 B1 20030702 (EN)

Application

EP 98107325 A 19980422

Priority

JP 11745397 A 19970422

Abstract (en)

[origin: EP0873929A2] The present invention provides a variable gauge bogie for a rolling stock which is capable of suppressing non-suspended weight and maintaining satisfactory steering performance. A bogie 1 comprises a bogie frame 11, axle springs 17, axle boxes 19, an axle 31, wheels 41, a motor 61, and a speed reducer 67. The axle 31 is so made rotational to be driven for rotation by the Cardan-type drive method. A gauge alternation is carried out such that, the wheels 41, the outer cylinder 35, and the outer cylinders 25 are transversely slidable on the axle 31. During the alternation operation, the outer cylinders 35 and the wheels 41 are located at a lower position. Fixable grooves 21f and 21d are provided inside the axle box to hold the outer cylinder bearing 25 at two points in right and left directions. <IMAGE>

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B61F 7/00

IPC 8 full level

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CPC (source: EP)

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Cited by

US6457419B1; CN107757648A; CN108501971A; RU173557U1; CN107856693A; CN107521519A; CN107804335A; CN107628057A; CN107856692A; CN107878497A; RU176428U1; CN107757652A; CN107757653A; ES2172373A1; EP1112908A3; ES2192107A1; EP1120325A3; ES2178522A1; ES2151871A1; CN107757650A; CN113276086A; CN108760357A; DE10239957A1; CN102076544A; CN107650936A; CN111605572A; EP2390155A1; CN108501979A; CN113830123A; WO2007104369A1; WO2009133227A3; WO2004024530A3

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