Title (en)
Variable-wheel-gage bogie for rolling stock

Title (de)
Drehgestell mit veränderlicher Spurweite für Eisenbahnen

Title (fr)
Bogie avec écartement variable pour matériel roulant

Publication
EP 1138569 A2 20011004 (EN)

Application
EP 01107692 A 20010328

Priority
JP 2000089402 A 20000328

Abstract (en)
A variable-wheel-gage bogie has axles (24), journal box beams (29) bearing the body weight of a wheeled vehicle, journal boxes (50) axially slidably fitted in the journal box beams (29), respectively, axle sleeves (30) put on each axle (24) and supported in journal bearings (51) on the journal boxes (50), respectively, wheels (36) fixedly joined to the axle sleeves (30), respectively, and locking mechanisms (60) for locking the wheels (36) so as to be axially immovable. The locking mechanisms (60) are disengaged by unlocking rails (73) extended along body support rails (70) that bear the body weight of a wheeled vehicle and are engaged by locking rails (74) extended along the body support rails (70). The locking mechanisms (60) can be operated in a state here the journal box beams (29) are supported on the body support rails (70) and the axle (24) is not loaded. Thus, the locking mechanisms (60) can be surely engaged to lock the wheels (36) so as to be axially immovable and can be surely disengaged to permit the axial movement of the wheels (36) for wheel-back-gage change.

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B61F 7/00

IPC 8 full level
B61C 9/38 (2006.01); **B61F 7/00** (2006.01)

CPC (source: EP)
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Cited by
CN107574728A; CN107521519A; CN108909762A; CN109532920A; CN107628055A; CN107757648A; CN111703456A; CN107757651A; CN107757652A; ES2607380R1; CN107856693A; JP2016164035A; CN107685742A; CN108909358A; CN107554548A; CN107757650A; CN111137321A; CN115230769A; CN108760357A; CN108909359A; WO2023082671A1; WO2022021916A1

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