

Title (en)

Variable-gauge wheelset for a railway vehicle with independent drive wheels directly coupled to coaxial motors

Title (de)

Spurweitenverstellbarer Radsatz für Schienenfahrzeuge mit unabhängigen Triebrädern, die direkt an koaxiale Motoren gekoppelt sind

Title (fr)

Essieu à écartement variable pour véhicule ferroviaire avec roues motrices indépendantes directement couplées aux moteurs coaxiaux

Publication

EP 1318058 A1 20030611 (EN)

Application

EP 02380258 A 20021210

Priority

ES 200102735 A 20011210

Abstract (en)

Variable-gauge wheelset (1) for railway vehicle with independent drive wheels (4,4') directly coupled to coaxial traction motors (7), comprising a frame (2), at least one axle consisting of two sets of independent wheels, each one with a wheel (4,4') mounted in a short axle (5,5') supported at the ends in respective bearer boxes (6a,6b;6a',6b') displaceable in said frame, and an electric traction motor (7) for each one of the said wheels, mounted coaxially with each one of said short axles (5,5') and provided with a stator (8,8') attached to said frame (2) and a rotor (9,9') inside which a telescopic transmission shaft (10,10') is housed and is connected with said rotor (9,9') and said short axle (5,5') with interposition of respective flexible couplings. <IMAGE>

IPC 1-7

B61F 7/00; **B61C 9/50**

IPC 8 full level

B61C 9/50 (2006.01); **B61F 7/00** (2006.01)

CPC (source: EP ES)

B61C 9/50 (2013.01 - EP ES); **B61F 7/00** (2013.01 - EP ES)

Citation (search report)

- [DA] EP 0825085 A2 19980225 - TALGO PATENTES [ES]
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 682 (M - 1729) 22 December 1994 (1994-12-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 16 8 May 2001 (2001-05-08)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09 30 July 1999 (1999-07-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 03 27 February 1998 (1998-02-27)

Cited by

CN109383193A; RU2628629C1; CN111907536A; EP2824012A4; CN115899207A

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