

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 B1 20080813 (EN)**

Application

**EP 02380258 A 20021210**

Priority

ES 200102735 A 20011210

Abstract (en)

[origin: EP1318058A1] 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 8 full level

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

CPC (source: EP ES)

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

Cited by

CN109383193A; RU2628629C1; CN111907536A; EP2824012A4; CN115899207A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

Designated extension state (EPC)

AL LT LV MK RO

DOCDB simple family (publication)

**EP 1318058 A1 20030611**; **EP 1318058 B1 20080813**; AT E404416 T1 20080815; DE 60228190 D1 20080925; ES 2205997 A1 20040501; ES 2205997 B1 20050716

DOCDB simple family (application)

**EP 02380258 A 20021210**; AT 02380258 T 20021210; DE 60228190 T 20021210; ES 200102735 A 20011210