

Title (en)  
Drive unit for a railway vehicle

Title (de)  
Antriebseinheit zu einem Schienenfahrzeug

Title (fr)  
Unité d'entraînement pour véhicule ferroviaire

Publication  
**EP 0952061 B1 20030618 (DE)**

Application  
**EP 98810342 A 19980420**

Priority  
EP 98810342 A 19980420

Abstract (en)  
[origin: EP0952061A1] The drive unit has a bogie (3) carrying a vehicle box without a frame. The bogie includes two wheel sets (30) each driven by a motor (5) and is connected to the vehicle box by a suspension (9). The motors are connected to their respective wheel sets via a transmission (6) and elastic elements including a hollow shaft (32). They are connected to the vehicle box by other elastic elements (81).

IPC 1-7  
**B61C 9/48**; **B61F 3/04**; **B61F 5/44**

IPC 8 full level  
**B61C 9/48** (2006.01); **B61F 3/04** (2006.01); **B61F 5/44** (2006.01)

CPC (source: EP)  
**B61C 9/48** (2013.01); **B61F 3/04** (2013.01); **B61F 5/44** (2013.01)

Cited by  
CN106740897A; EP1209057A1; JP2016215684A; AT524028A4; AT524028B1

Designated contracting state (EPC)  
AT CH DE ES FR GB GR IT LI SE

DOCDB simple family (publication)  
**EP 0952061 A1 19991027**; **EP 0952061 B1 20030618**; AT E243129 T1 20030715; DE 59808757 D1 20030724; ES 2201427 T3 20040316

DOCDB simple family (application)  
**EP 98810342 A 19980420**; AT 98810342 T 19980420; DE 59808757 T 19980420; ES 98810342 T 19980420