

Title (en)  
LONGITUDINAL TANDEM DRIVE UNIT FOR AN ELECTRIC RAIL VEHICLE

Publication  
**EP 0077290 B1 19851227 (DE)**

Application  
**EP 82730121 A 19820922**

Priority  
DE 3140167 A 19811008

Abstract (en)  
[origin: CA1182341A] A longitudinal double-axle drive for an electric, track bound, self-propelled vehicle is disclosed in which the electric propulsion motor is disposed longitudinally between two driving axles of the vehicle. The motor drives both driving axles via a respective angle transmission. In order to provide flexibility for operating under different conditions, the electric propulsion motor is a double motor with two electrically independent rotors of equal length and a common stator comprised of two separate lamination stacks and a continuous stator winding. The side of each rotor facing its associated transmission is supported by an overhung arrangement from the transmission housing. Thereby, the two driving axles can rotate at different speeds without compulsion forces being generated.

IPC 1-7  
**B61C 9/50**

IPC 8 full level  
**B61C 9/52** (2006.01); **B61C 9/50** (2006.01)

CPC (source: EP US)  
**B61C 9/50** (2013.01 - EP US)

Citation (examination)  
AUSZÜGE AUS DEN GEBRAUCHSMUSTERN, 7. Jahrgang, Heft 18, 30. April 1970, München, Seite 911, DE-U-7 000 062 (GEORG MÜLLER KUGELLAGERFABRIK KG).

Cited by  
DE4429889A1; WO9500351A1

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

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**EP 0077290 A1 19830420; EP 0077290 B1 19851227**; AT E17102 T1 19860115; CA 1182341 A 19850212; DE 3140167 A1 19830428; DE 3268158 D1 19860206; JP S5876358 A 19830509; US 4510395 A 19850409

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**EP 82730121 A 19820922**; AT 82730121 T 19820922; CA 413015 A 19821007; DE 3140167 A 19811008; DE 3268158 T 19820922; JP 17442982 A 19821004; US 42986682 A 19820930