

Title (en)  
Single wheel drive unit.

Title (de)  
Einzelrad-Antriebsaggregat.

Title (fr)  
Dispositif d'entraînement d'une seule roue.

Publication  
**EP 0626286 A3 19950118 (DE)**

Application  
**EP 94107142 A 19940506**

Priority  
• DE 4317536 A 19930526  
• DE 9308659 U 19930609

Abstract (en)  
[origin: EP0626286A2] Single wheel drive unit with a drive motor (1), the stator frame (3) of which, closed by front face end plates (4, 5), is designed as wheel carrier for the single wheel (2) to be driven and the rotor shaft (8) of which is supported in the end plates (4, 5) by means of high-speed roller bearings (6, 7), the rotor shaft (8) being axially externally drive-connected to the single wheel (2) by way of a planetary gear train (12-14). That end of the drive motor (1) on the gear side has a stator frame extension (15) extending in an axial direction, which is fixed by its outer axial end at a first point in the chassis (16, 17); the stator frame (3) is fixed by its inner axial end at a second point in the chassis (16, 17). In a drive motor of this type the stator frame (3) is subject to significantly less loading in its function as wheel carrier. <IMAGE>

IPC 1-7  
**B60K 7/00**; **B61C 9/46**; **B60K 17/04**

IPC 8 full level  
**B60K 1/02** (2006.01); **B60K 7/00** (2006.01); **B60K 17/04** (2006.01); **B61C 9/46** (2006.01); **B61F 3/16** (2006.01); **B61F 5/32** (2006.01); **B61F 15/28** (2006.01)

CPC (source: EP)  
**B61C 9/46** (2013.01); **B61F 3/16** (2013.01); **B61F 5/325** (2013.01); **B61F 15/28** (2013.01)

Citation (search report)  
• [X] DE 1680169 A1 19711021 - P R MOTORS LTD  
• [A] GB 929339 A 19630619 - MERRITT & COMPANY ENGINEERING  
• [DA] DE 3538513 C  
• [A] US 4930590 A 19900605 - LOVE MAHLON L [US], et al  
• [A] US 3370668 A 19680227 - CECIL GOODACRE

Cited by  
CN105905120A; CN103448472A; EP1258410A1; AT408333B; US9283970B2; KR100822091B1; EP0943519A2; US6343554B1

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

DOCDB simple family (publication)  
**EP 0626286 A2 19941130**; **EP 0626286 A3 19950118**; **EP 0626286 B1 19960417**; DE 59400207 D1 19960523; JP H079860 A 19950113

DOCDB simple family (application)  
**EP 94107142 A 19940506**; DE 59400207 T 19940506; JP 13260394 A 19940523