

Title (en)  
VEHICLE WHEEL AXLE ASSEMBLY

Title (de)  
ACHSENANORDNUNG EINES FAHRZEUGRADES

Title (fr)  
ENSEMBLE ESSIEU DE ROUE DE VÉHICULE

Publication  
**EP 3507180 A4 20200408 (EN)**

Application  
**EP 17847224 A 20170820**

Priority  
• US 201662381155 P 20160830  
• US 2017047707 W 20170820

Abstract (en)  
[origin: WO2018044603A1] An axle assembly including: an axle sleeve having first and second end faces, an axially extending through opening, and a radially extending first engagement surface; and a control shaft extending within the opening and having a radially extending second engagement surface. The control shaft is axially displaceable relative to the axle sleeve and is axially retained to the axle sleeve by means of an overlie engagement between the first and second engagement surfaces. At least one of the first and second engagement surfaces is radially displaceable between an engaged orientation corresponding to the overlie engagement and a released orientation corresponding to a release of the overlie engagement. The overlie engagement serves to axially retain the control shaft to the axle sleeve and the released orientation serves to remove the overlie engagement and permit the control shaft to be axially withdrawn and separated from the axle sleeve in the retracting direction.

IPC 8 full level  
**B62K 25/02** (2006.01); **B60B 27/02** (2006.01); **B62M 11/16** (2006.01)

CPC (source: EP)  
**B60B 27/026** (2013.01); **B62K 25/02** (2013.01); **B62K 2206/00** (2013.01)

Citation (search report)  
• [XA] US 2008315678 A1 20081225 - WATARAI ETSUYOSHI [JP]  
• [XA] US 2013270893 A1 20131017 - SCHLANGER RAPHAEL [US]  
• See also references of WO 2018044603A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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