

Title (en)  
BALL JOINT FOR A CHASSIS

Title (de)  
KUGELGELENK FÜR EIN FAHRWERK

Title (fr)  
ARTICULATION À ROTULE POUR SUSPENSION

Publication  
**EP 3174682 A1 20170607 (DE)**

Application  
**EP 15734612 A 20150629**

Priority  
• DE 102014214824 A 20140729  
• EP 2015064630 W 20150629

Abstract (en)  
[origin: WO2016015934A1] The invention relates to a ball joint (1) comprising a ball journal (3) and a housing (2), the ball journal (3) together with the ball being rotationally and pivotally movably accommodated in the housing (2), and the ball (3a) being at least partly surrounded by a structural component (4). Said structural component (4) essentially consists of a fiber-plastic composite structure and forms at least part of the housing (2).

IPC 8 full level

**B29C 37/00** (2006.01); **B29C 45/14** (2006.01); **B29C 65/00** (2006.01); **B29C 65/48** (2006.01); **B29C 70/40** (2006.01); **B29C 70/86** (2006.01);  
**B60G 7/00** (2006.01); **F16C 11/06** (2006.01)

CPC (source: CN EP KR US)

**B29C 37/0085** (2013.01 - CN EP KR US); **B29C 45/14311** (2013.01 - US); **B29C 45/14336** (2013.01 - EP US);  
**B29C 70/40** (2013.01 - CN EP KR US); **B29C 70/865** (2013.01 - CN EP KR US); **B60G 7/005** (2013.01 - CN EP KR US);  
**F16C 11/0657** (2013.01 - EP US); **F16C 11/0685** (2013.01 - CN EP KR US); **F16C 11/0695** (2013.01 - CN EP KR US);  
**B29C 45/14336** (2013.01 - CN); **B29C 2045/14327** (2013.01 - US); **B29K 2071/00** (2013.01 - US); **B29K 2077/00** (2013.01 - US);  
**B29L 2031/04** (2013.01 - US); **B60G 7/001** (2013.01 - US); **B60G 2204/116** (2013.01 - CN EP KR US); **B60G 2204/416** (2013.01 - CN EP KR US);  
**B60G 2206/10** (2013.01 - CN EP KR US); **B60G 2206/124** (2013.01 - CN EP US); **B60G 2206/7101** (2013.01 - CN EP US);  
**B60G 2206/81012** (2013.01 - CN EP US); **B60G 2206/8206** (2013.01 - US); **B60G 2206/821** (2013.01 - US); **F16C 11/0657** (2013.01 - CN);  
**F16C 2226/30** (2013.01 - CN EP KR US); **F16C 2326/05** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2016015934A1

Citation (examination)

US 5427467 A 19950627 - SUGIURA HIRONOBU [JP]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102014214824 A1 20160204**; CN 106536144 A 20170322; EP 3174682 A1 20170607; KR 20170036783 A 20170403;  
US 10549592 B2 20200204; US 2017210188 A1 20170727; WO 2016015934 A1 20160204

DOCDB simple family (application)

**DE 102014214824 A 20140729**; CN 201580041508 A 20150629; EP 15734612 A 20150629; EP 2015064630 W 20150629;  
KR 20177005603 A 20150629; US 201515329267 A 20150629