

Title (en)
COUPLING

Title (de)
KUPPLUNG

Title (fr)
RACCORD

Publication
EP 3080470 A2 20161019 (EN)

Application
EP 14812805 A 20141212

Priority
• GB 201322097 A 20131213
• GB 2014053680 W 20141212

Abstract (en)
[origin: GB2521209A] A coupling comprises an inner member 1 having an outer convex spherical periphery S1 centred about a central point C. The inner member has a torsional axis A1 extending through the central point. An outer ring 2 has an inner concave spherical complementary to the outer periphery of the inner member. The spherical surfaces of the inner and outer members co-act to transmit radial loads therebetween and to transmit loads acting along the torsional axis therebetween. An axle arrangement X1, X11 extends radially of the central point C and couples the inner member 1 and outer ring 2 for transmitting torsional load from one to the other. The inner member and outer ring are rotatable one relative to the other about the said central point in a direction constrained by the axle arrangement. The coupling may have additional members (3, 4 & 5, fig 7) and a coupling arrangement (66, 67, fig 6) may connect two couplings.

IPC 8 full level
F16D 3/26 (2006.01)

CPC (source: CN EP GB KR)
F16D 3/16 (2013.01 - GB); **F16D 3/20** (2013.01 - CN); **F16D 3/2052** (2013.01 - EP KR); **F16D 3/224** (2013.01 - GB); **F16D 3/38** (2013.01 - EP); **F16D 3/42** (2013.01 - EP KR); **F16D 3/44** (2013.01 - KR); **F16D 3/32** (2013.01 - EP)

Citation (search report)
See references of WO 2015087081A2

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)
GB 201322097 D0 20140129; **GB 2521209 A 20150617**; CA 2932041 A1 20150618; CN 105899830 A 20160824; CN 105899830 B 20190802; EP 3080470 A2 20161019; GB 2522768 A 20150805; GB 2522768 B 20160914; JP 2016540175 A 20161222; JP 6618909 B2 20191211; KR 20160097237 A 20160817; MX 2016007458 A 20170306; WO 2015087081 A2 20150618; WO 2015087081 A3 20150917

DOCDB simple family (application)
GB 201322097 A 20131213; CA 2932041 A 20141212; CN 201480068382 A 20141212; EP 14812805 A 20141212; GB 2014053680 W 20141212; GB 201422090 A 20141212; JP 2016539071 A 20141212; KR 20167017102 A 20141212; MX 2016007458 A 20141212