

Title (en)
COUPLING UNIT

Title (de)
KUPPLUNGSEINHEIT

Title (fr)
UNITÉ D'ACCOUPLEMENT

Publication
EP 2356009 A1 20110817 (DE)

Application
EP 09799497 A 20091106

Priority
• DE 2009001576 W 20091106
• DE 102008057055 A 20081113

Abstract (en)
[origin: WO2010054630A1] The present invention relates to a coupling unit, in particular for the semi-permanent connection of two wagons of a rail vehicle, having a first housing (1) for fastening to a first rail wagon and having a second housing (2), which is pivotably and rotatably coupled to the first housing, for fastening to a second rail wagon, wherein a bearing outer ring (3) with a hollow spherical inner bearing surface (4) is fastened to the second housing, which bearing outer ring (3) is guided in sliding fashion on a bearing inner ring (6) with a spherical outer surface (7) and with the bearing inner ring being seated with an inner bore (8) on a shaft (10) which is fastened to the first housing, wherein the shaft has, on a first end (11), one or two flattened portions (13a, 13b) which run in the axial direction of the shaft and, on a second end (12), one or two second flattened portions (14a, 14b) which run in the axial direction of the shaft, and at least one clamping piece (50) is provided which bears against one of the flattened portions and an opening region (34) in the first housing, and thereby prevents the shaft from rotating.

IPC 8 full level
B61G 5/02 (2006.01)

CPC (source: EP US)
B61G 5/02 (2013.01 - EP US)

Citation (search report)
See references of WO 2010054630A1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102008057055 A1 20100520; EP 2356009 A1 20110817; EP 2356009 B1 20140625; PL 2356009 T3 20141128;
US 2011240585 A1 201111006; US 8590718 B2 20131126; WO 2010054630 A1 20100520

DOCDB simple family (application)
DE 102008057055 A 20081113; DE 2009001576 W 20091106; EP 09799497 A 20091106; PL 09799497 T 20091106;
US 201113106533 A 20110512