

Title (en)  
A BUCKLING-RESISTANT COUPLING ARRANGEMENT FOR RAIL VEHICLES

Title (de)  
KNICKFESTE KOPPLUNGSANORDNUNG FÜR SCHIENENFAHRZEUGE

Title (fr)  
DISPOSITIF D'ATTELAGE RÉSISTANT AU FLAMBAGE POUR VÉHICULES FERROVIAIRES

Publication  
**EP 2585351 A4 20171129 (EN)**

Application  
**EP 11798444 A 20110608**

Priority  
• SE 1050675 A 20100623  
• SE 2011050703 W 20110608

Abstract (en)  
[origin: WO2011162672A1] A coupling arrangement is shown, comprising a drawbar ( 1) and a coupler head (2), which in a rear end is attached to the drawbar and extends in the longitudinal direction of the same to a front end that is arranged to carry a front plate (4) having a guide cone (5) projecting from the surface thereof, which coupler head furthermore houses components (7-10) of a mechanical coupling (6) effective for automatic coupling to the corresponding coupling components in an opposite coupler head of a connecting coupling arrangement. In the extension of the drawbar, an element (20, 22) extends forward through the coupler head toward the guide cone (5), and upon application of a deforming compressive force, the coupler head (2) is arranged to be subjected to an axial compression and/ or a displacement rearward on the drawbar while carrying along the front plate (4) with the result that said element (20, 22) is brought into a thrust force- transmitting relationship to the front plate and is caused to penetrate the front plate.

IPC 8 full level  
**B61G 7/14** (2006.01); **B61D 15/06** (2006.01); **B61G 3/16** (2006.01)

CPC (source: EP SE)  
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