

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
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• 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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