

Title (en)  
SUPPORTING AND CENTERING DEVICE FOR AUTOMATIC RAILWAY TRAIN COUPLINGS

Publication  
**EP 0168581 B1 19870729 (DE)**

Application  
**EP 85105885 A 19850513**

Priority  
DE 3421455 A 19840608

Abstract (en)  
[origin: EP0168581A1] 1. Supporting and centering device for automatic railway train couplings having an automatic coupling head (9) which is pivotably articulated, possibly on a sideways deflectably mounted hand coupling hook (7), in front of the buffer beam (1) carrying side buffers (2), the said buffers (2) being designed as spring members for the coupling head (9) and the said coupling head (9) being coupled by transmission linkages (11) located in a mirror-inverted arrangement to either side of the head, with buffer parts (4) sprung against the buffer beam (1), wherein each transmission linkage (11) has a transmission lever (13) extending in front of or below the buffer beam (1) at essentially no more than a small angle to this beam, one end of the said transmission lever (13) being articulated on the coupling head (9) beneath a horizontal plane which can be placed through the point of articulation of the coupling head (9), whereas the other end of the said lever (13) is articulated on the buffer beam (1) close to the associated buffer (2), and wherein the transmission lever (13) is coupled between these articulations, close to that on the buffer beam (1), via a tension member (16) with a sprung part (4) of the buffer (2), at least one of the end articulations of the transmission lever (13) being horizontally displaceable at right-angles to the railway vehicle.

IPC 1-7  
**B61G 9/02**; **B61G 7/12**

IPC 8 full level  
**B61G 7/12** (2006.01); **B61G 9/02** (2006.01)

CPC (source: EP)  
**B61G 7/12** (2013.01); **B61G 9/02** (2013.01)

Cited by  
CN106595450A; CN110525473A

Designated contracting state (EPC)  
AT BE CH DE FR IT LI NL SE

DOCDB simple family (publication)  
**EP 0168581 A1 19860122**; **EP 0168581 B1 19870729**; AT E28603 T1 19870815; DE 3421455 A1 19851212; DE 3560387 D1 19870903

DOCDB simple family (application)  
**EP 85105885 A 19850513**; AT 85105885 T 19850513; DE 3421455 A 19840608; DE 3560387 T 19850513