

Title (en)  
REMOVABLE END-SILL FOR RAILWAY GOODS WAGONS

Publication  
**EP 0009737 A3 19800430**

Application  
**EP 79103580 A 19790924**

Priority  
DE 2843841 A 19781007

Abstract (en)  
[origin: EP0009737A2] 1. Arrangement of a removable headstock (1) on railway freight wagons (2) with small wheels and low loading surface (3) which supports the traction (5) and buffer devices (4) characterized in that at right hand and left hand of the longitudinal axis of the wagon, close to the wagon end and the longitudinal sides of the wagon, there is at least one web each (6) mounted on the loading surface (3) of the wagon (2) parallel to its longitudinal axis, the two front sides of the web being profiled, that the headstock (1) is provided for each web (6) with a fixed thrust piece (9) which is form-fitted to the front side of the web directed towards the wagon end, and with a detachable tension piece (10) which is form-fitted to the front side of the web directed towards the wagon centre.

IPC 1-7  
**B61F 1/10**; **B61D 17/00**; **B61G 7/10**

IPC 8 full level  
**B61D 3/18** (2006.01); **B61D 17/00** (2006.01); **B61D 17/06** (2006.01); **B61F 1/10** (2006.01); **B61G 5/04** (2006.01); **B61G 7/10** (2006.01)

CPC (source: EP)  
**B61D 3/18** (2013.01); **B61D 17/06** (2013.01); **B61F 1/10** (2013.01); **B61G 7/10** (2013.01)

Citation (search report)  
• DE 1605174 A1 19710225 - KNORR BREMSE KG  
• DE 2259209 B1 19740522  
• FR 1298268 A 19620706 - TALBOT WAGGONFAB  
• FR 2190657 A1 19740201 - LINKE HOFMANN BUSCH [DE]  
• DE 1189111 B 19650318 - RHEINSTAHL SIEGENER EISENBAHN

Cited by  
AT392923B; EP0019098A1; EP0301210A1; WO02096734A1; EP1390245B2

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

DOCDB simple family (publication)  
**EP 0009737 A2 19800416**; **EP 0009737 A3 19800430**; **EP 0009737 B1 19830119**; AT E2260 T1 19830215; DE 2843841 A1 19800424; DE 2843841 C2 19880616; DE 2964549 D1 19830224; DK 150658 B 19870518; DK 150658 C 19880229; DK 416179 A 19800408; NO 147332 B 19821213; NO 147332 C 19830323; NO 793021 L 19800409

DOCDB simple family (application)  
**EP 79103580 A 19790924**; AT 79103580 T 19790924; DE 2843841 A 19781007; DE 2964549 T 19790924; DK 416179 A 19791004; NO 793021 A 19790920