

Title (en)  
Buffer for railway vehicles

Title (de)  
Puffer für Schienenfahrzeuge

Title (fr)  
Tampon pour véhicules ferroviaires

Publication  
**EP 1083105 A3 20010418 (DE)**

Application  
**EP 00810738 A 20000818**

Priority  
DE 19942775 A 19990908

Abstract (en)  
[origin: EP1083105A2] The buffer has a buffer casing (1) fixed to the train and an axially moving buffer plunger (2) supported by a spring assembly (13) with a buffer plate (6) arranged on one side of a plunger tube (3). The plunger tube has a radially expanding section (4) on its end facing towards the buffer plate, and the buffer plate is welded to the end of the radially expanding section, to form welds (9) on the inside and the outside of the plunger tube. An Independent claim is included for a method for manufacturing the buffer.

IPC 1-7  
**B61G 11/18**; **B61G 11/08**

IPC 8 full level  
**B61G 11/08** (2006.01); **B61G 11/18** (2006.01)

CPC (source: EP)  
**B61G 11/08** (2013.01); **B61G 11/18** (2013.01)

Citation (search report)  
• [XA] GB 240659 A 19251008 - GRAHAME HARDIE THOMSON  
• [XA] GB 129084 A 19190630 - C COUPLER LTD AB [GB], et al  
• [XA] CH 383435 A 19641031 - MINER INC W H [US]

Cited by  
EP1857343A3; DE10244330A1; CN111891169A; EP1857343A2; EP1800988A1; WO2016000602A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1083105 A2 20010314**; **EP 1083105 A3 20010418**; **EP 1083105 B1 20041013**; AT E279346 T1 20041015; DE 50008207 D1 20041118; ES 2230052 T3 20050501

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