

Title (en)  
Anti-collision device for track guided vehicles for urban transport

Title (de)  
Kollisionsschutzeinrichtung für spurgeführte Stadtverkehrsfahrzeuge

Title (fr)  
Dispositif anti-collision pour véhicules guidés pour le transport urbain

Publication  
**EP 1006033 B1 20040818 (DE)**

Application  
**EP 99120340 A 19991012**

Priority  
DE 19855830 A 19981203

Abstract (en)  
[origin: DE19855830C1] The tram buffer has a shock absorbing shaft (1) with a shock absorber (2) set forward of the chassis. The chassis can have a crumple zone. The shock absorber has a releasable connection (3) to allow rearward movement of the buffer plate.

IPC 1-7  
**B61D 15/06; B61D 17/06; B61G 11/16**

IPC 8 full level  
**B61G 11/00** (2006.01); **B61D 15/06** (2006.01); **B61D 17/06** (2006.01); **B61G 11/16** (2006.01); **B61G 11/18** (2006.01)

CPC (source: EP)  
**B61D 15/06** (2013.01); **B61D 17/06** (2013.01); **B61G 11/16** (2013.01)

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DE 19855830 C1 20000224; DE 59910266 D1 20040923; ES 2230782 T3 20050501; PL 194196 B1 20070531; PL 336781 A1 20000605;  
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