

Title (en)  
RAIL VEHICLE WITH DEFORMATION ZONE

Title (de)  
SCHIENENFAHRZEUG MIT VERFORMUNGSZONE

Title (fr)  
VÉHICULE FERROVIAIRE COMPRENANT UNE ZONE DE DÉFORMATION

Publication  
**EP 3003816 B1 20180103 (DE)**

Application  
**EP 14729621 A 20140527**

Priority  
• AT 4522013 A 20130604  
• EP 2014060883 W 20140527

Abstract (en)  
[origin: WO2014195177A1] Rail vehicle (1) comprising at least one deformation zone which is arranged at the end side in each case, wherein the deformation zone comprises a collision frame (2), a multiplicity of deformation elements (3) and two A pillars (4), wherein the deformation elements (3) are oriented radially about the front structure of the wagon body (5) and are respectively connected at one of their ends to the wagon body (5), and wherein the collision frame (2) connects the ends, facing away from the wagon body (5), of the deformation elements (3) and is arranged about the front structure of the wagon body (5) in an arcuate fashion, and wherein the A pillars (4) each extend between the wagon body (5) and the collision frame (2) and are permanently connected to the collision frame (2)

IPC 8 full level  
**B61D 1/00** (2006.01); **B61D 15/06** (2006.01); **B61D 17/06** (2006.01)

CPC (source: AT EP RU US)  
**B61C 17/04** (2013.01 - AT); **B61D 1/00** (2013.01 - US); **B61D 15/06** (2013.01 - AT EP RU US); **B61D 17/06** (2013.01 - EP RU US)

Citation (examination)  
US 2009058109 A1 20090305 - MATTSCHULL VOLKER [DE]

Cited by  
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