

Title (en)  
FRONT END FOR A RAIL VEHICLE

Title (de)  
FRONTEND FÜR EIN SCHIENENFAHRZEUG

Title (fr)  
EXTRÉMITÉ AVANT DE VÉHICULE FERROVIAIRE

Publication  
**EP 3812232 B1 20230607 (EN)**

Application  
**EP 20199652 A 20201001**

Priority  
GB 201915238 A 20191022

Abstract (en)  
[origin: EP3812232A1] A front end (13) for a rail vehicle (10) the front end (13) comprising a deformable structure (30), including a frame (31) movable on a chassis (11) and a mechanical protective device (33) mechanically connecting the frame (31) to the vehicle's chassis (11). The mechanical protective device (33) is adapted to break if a predetermined force F is exceeded, so that the frame (31) may move on the chassis (11).

IPC 8 full level  
**B61D 15/06** (2006.01); **B61D 17/06** (2006.01); **B61G 11/14** (2006.01)

CPC (source: EP GB)  
**B61D 15/06** (2013.01 - EP GB); **B61D 17/06** (2013.01 - EP GB); **B61G 11/14** (2013.01 - EP); **B61G 11/14** (2013.01 - GB)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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