

Title (en)  
Side frame for railcar bogie

Title (de)  
Längsträger für Schienenfahrzeug

Title (fr)  
Longeron de bogie

Publication  
**EP 2174856 A1 20100414 (FR)**

Application  
**EP 09290769 A 20091009**

Priority  
FR 0805598 A 20081010

Abstract (en)  
The frame (10) has a vertical core (11) and horizontal upper and lower tie pads (12, 13) assembled by welding, where the core and the tie pads are in parallelepiped shape. A reinforcement unit displaces a maximum constraint zone from a welding zone between the core and the lower tie pad, to a solid metal zone. The lower tie pad includes a recess (16) formed along a longitudinal edge of the lower tie pad and on both sides of the core. A slot (14) is formed at the proximity of a center part of the core to accommodate a pivot crossbar permitting connection of a bogie with a goods transport wagon.

Abstract (fr)  
L'invention a pour objet un longeron (10) renforcé de bogie, destiné notamment aux wagons de transport de marchandises, ayant une section en forme générale de I et comprenant une âme (11), une semelle supérieure (12) et une semelle inférieure (13) assemblées par soudure, remarquable en ce qu'il comporte des moyens de renfort permettant de déplacer la zone de contrainte maximale de la zone de soudure entre l'âme (11) et la semelle inférieure (13) vers une zone en plein métal.

IPC 8 full level  
**B61F 5/52** (2006.01)

CPC (source: EP)  
**B61F 5/52** (2013.01)

Citation (applicant)  

- WO 0185522 A1 20011115 - ADTRANZ PAFAWAG SP Z O O [PL]
- CH 444216 A 19670930 - SNCF [FR], et al
- US 5111753 A 19920512 - ZIGLER HERBERT L [US], et al

Citation (search report)  

- [X] WO 0185522 A1 20011115 - ADTRANZ PAFAWAG SP Z O O [PL]
- [A] CH 444216 A 19670930 - SNCF [FR], et al
- [A] US 5111753 A 19920512 - ZIGLER HERBERT L [US], et al

Cited by  
JP2016203865A; AT516923A3; EP2500233A1; CN102673590A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2174856 A1 20100414; EP 2174856 B1 20140820**; ES 2522966 T3 20141119; FR 2936998 A1 20100416; FR 2936998 B1 20140502; HR P20141075 T1 20150102; PL 2174856 T3 20150331; PT 2174856 E 20141110

DOCDB simple family (application)  
**EP 09290769 A 20091009**; ES 09290769 T 20091009; FR 0805598 A 20081010; HR P20141075 T 20141105; PL 09290769 T 20091009; PT 09290769 T 20091009