

Title (en)
LONGITUDINALLY REINFORCED RAILWAY VEHICLE

Title (de)
LÄNGSVERSTÄRKTES SCHIENENFAHRZEUG

Title (fr)
VÉHICULE SUR RAILS RENFORCÉ DANS LE SENS LONGITUDINAL

Publication
EP 2473390 A1 20120711 (DE)

Application
EP 10739312 A 20100719

Priority
• AT 13792009 A 20090902
• EP 2010060377 W 20100719

Abstract (en)
[origin: WO2011026684A1] Longitudinally reinforced railway vehicle comprising a body (1), longitudinal girders (2), cross-girders (3), and reinforced carriage ends (4). Reinforcement tubes (5) which are guided within recesses (6) of the cross-girders (3) are arranged in the longitudinal direction, between the reinforced carriage ends (4).

IPC 8 full level
B61D 17/10 (2006.01)

CPC (source: EP US)
B61D 17/10 (2013.01 - EP US); **B61F 1/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2011026684A1

Designated contracting state (EPC)
AL 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

DOCDB simple family (publication)
WO 2011026684 A1 20110310; AT 508827 A1 20110415; AT 508827 B1 20110615; EP 2473390 A1 20120711; EP 2473390 B1 20131120; PL 2473390 T3 20140430; RU 2012112473 A 20131010; RU 2549740 C2 20150427; SI 2473390 T1 20140228; US 2012145034 A1 20120614; US 9126604 B2 20150908

DOCDB simple family (application)
EP 2010060377 W 20100719; AT 13792009 A 20090902; EP 10739312 A 20100719; PL 10739312 T 20100719; RU 2012112473 A 20100719; SI 201030492 T 20100719; US 201013391489 A 20100719