

Title (en)
Guide rail with a CFRP insert

Title (de)
"Führungsschiene mit einer CFK-Einlage"

Title (fr)
Rail de guidage doté d'un insert composite en fibres de carbone

Publication
EP 2774732 B1 20180110 (DE)

Application
EP 14000737 A 20140301

Priority
DE 102013003643 A 20130305

Abstract (en)
[origin: EP2774732A1] The rail (1) has a steel elongated base body (2) including windows (7) elongated between peripheral edges. An insert (10) fills the windows, and is made from a composite material (20) from resin and carbon fibers. The insert is assembled from several fiber layers connected with resin. A central position is formed out of one fiber layer. Two of the fiber layers are presented on both sides of the central position toward a longitudinal axis (8) of the base body. An outside of the fiber layers are covered by a fiber web i.e. fabric.

IPC 8 full level
B27B 17/02 (2006.01)

CPC (source: EP US)
B27B 17/025 (2013.01 - EP US)

Cited by
US2014250701A1; US9272438B2

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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2774732 A1 20140910; EP 2774732 B1 20180110; CN 104029254 A 20140910; CN 104029254 B 20180605;
DE 102013003643 A1 20140911; US 2014250701 A1 20140911; US 9272438 B2 20160301

DOCDB simple family (application)
EP 14000737 A 20140301; CN 201410077753 A 20140305; DE 102013003643 A 20130305; US 201414198306 A 20140305