(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
1 September 2011 (01.09.2011)

PCT

(10) International Publication Number
WO 2011/106028 A3

(51) International Patent Classification:
B60M 5/00 (2006.01) *H01R 13/62* (2006.01)

(21) International Application Number:
PCT/US2010/032553

(22) International Filing Date:
27 April 2010 (27.04.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
12/713,321 26 February 2010 (26.02.2010) US

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:
19 January 2012

(54) Title: MAGNETIC RAIL BOND

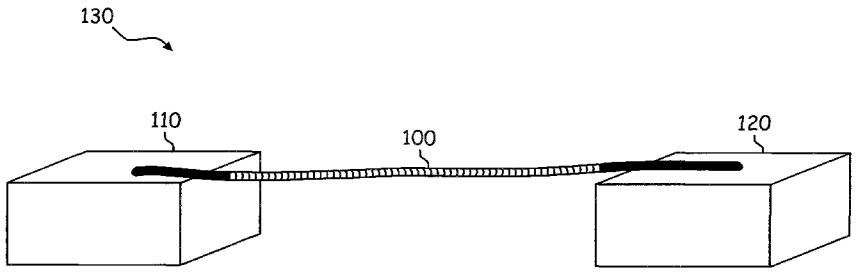


FIG. 1

(57) Abstract: Magnetic means and apparatus for implementing rail bonds and rail feeds. A rail bond embodiment comprises an electrical conductor. Mechanically and electrically coupled to each end of the electrical conductor is a magnet that comprises a magnetic material that is plated with an electrically conductive material. In an alternative embodiment, the magnet comprises a magnetic material that is disposed between two pieces of steel or other metal. In operation, the two magnets are attached to two rail sections, across a joint separating the rails, via the attractive magnetic force between each magnet and its associated rail. In this way, the electrical circuit comprising the rails is maintained.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2010/032553

A. CLASSIFICATION OF SUBJECT MATTER
INV. B60M5/00 H01R13/62
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
B60M H01R H01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 7 298 136 B1 (CURTIS KEVIN MARK [US]) 20 November 2007 (2007-11-20) column 1, line 1 - column 3, line 33; figure 4	6-11, 17-23 1-5, 12-16
Y	US 2008/217042 A1 (JUDSON WARD M [US] ET AL) 11 September 2008 (2008-09-11) the whole document	1-5, 12-16
X	DE 32 18 558 A1 (LYONNAISE TRANSPORT [FR]) 9 December 1982 (1982-12-09) the whole document	1,6
A	US 2006/032933 A1 (REICHLE DAVID L [US]) 16 February 2006 (2006-02-16) paragraph [0003] - paragraph [0007]; figure 8	1,6

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Date of the actual completion of the international search	Date of mailing of the international search report
24 November 2011	01/12/2011

Name and mailing address of the ISA/	Authorized officer
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/US2010/032553

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