

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 August 2008 (21.08.2008)

PCT

(10) International Publication Number
WO 2008/100221 A1

(51) International Patent Classification:

B61G 5/10 (2006.01) **H01R 24/02** (2006.01)
H01R 13/646 (2006.01) **H01R 9/24** (2006.01)
H01R 13/42 (2006.01) **H01R 103/00** (2006.01)

(74) Agent: BRANN AB; P O Box 17192, S-104 62 Stockholm (SE).

(21) International Application Number:

PCT/SE2008/050174

(22) International Filing Date:

14 February 2008 (14.02.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0700377-5 15 February 2007 (15.02.2007) SE

(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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): **Dellner Couplers AB** [SE/SE]; Vikavägen 144, S-791 95 Falun (SE).

(72) Inventors; and

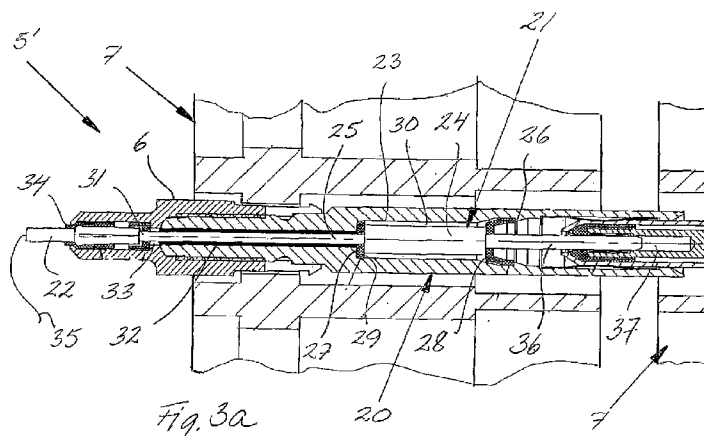
(75) Inventors/Applicants (for US only): **DAHLSTRÖM, Tommy** [SE/SE]; Nyckelby 52, S-781 94 Borlänge (SE).
WESTMAN, Anders [SE/SE]; Skolmästarevägen 9, S-791 33 Falun (SE).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, 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, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(54) Title: CONNECTOR AND CONNECTION BLOCK IN A TRAIN COUPLER ARRANGED FOR CONNECTION OF RAIL VEHICLES



(57) Abstract: The present invention relates to a connector (5) by which data signals are conducted between data communication networks separately installed in coupled rail vehicles. The connector comprises a contact holder (6) arranged to be seated in a train coupler connection block (7); a metal contact housing (20) arranged for insertion in a forward end of the contact holder, and a metal contact member (21) seated in the contact housing, the contact member extending through the contact housing to a conductor termination (22) seated in a rear end of the contact holder. The invention further relates to a connection block in a train coupler, wherein a multiplicity of connectors are arranged in the front of the connection block and adapted for mating with connectors of a corresponding connection block for electrically connecting rail vehicles that are interconnected by the train coupler, and wherein at least some of the connectors are effective for conducting signals at 100 MHz frequency range via electromagnetically shielded contacts according to the invention.

WO 2008/100221 A1