



(51) International Patent Classification:

H02J 17/00 (2006.01) *F41G 1/38* (2006.01)
H02J 7/00 (2006.01) *F41G 1/41* (2006.01)
F41C 27/00 (2006.01) *F41G 11/00* (2006.01)
F41G 1/16 (2006.01) *H02H 3/00* (2006.01)

(21) International Application Number:

PCT/CA2010/000039

(22) International Filing Date:

15 January 2010 (15.01.2010)

(25) Filing Language:

English

(26) Publication Language:

English

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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, 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).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

— with international search report (Art. 21(3))
 — with amended claims (Art. 19(1))

(54) Title: A RAIL FOR INDUCTIVELY POWERING FIREARM ACCESSORIES

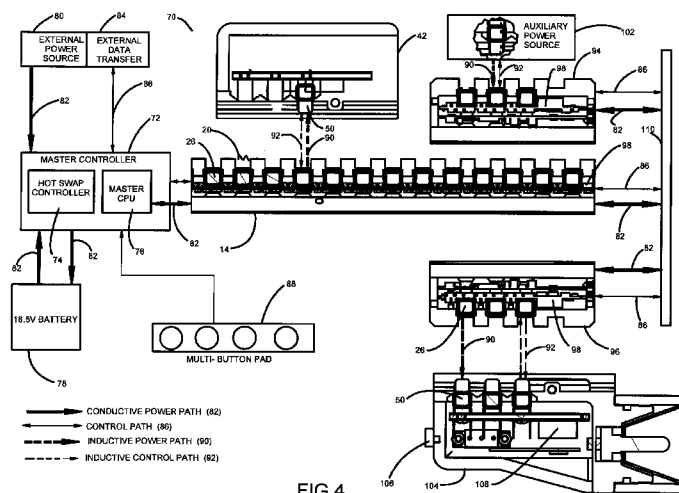


FIG 4

(57) Abstract: A method and system for an inductively powering rail on a firearm to power accessories such as: telescopic sights, tactical sights, laser sighting modules, and night vision scopes. This is achieved by having primary and secondary electromagnets (U-Cores) on both the inductively powering rail and the accessory. Once the electromagnets are in contact, the accessory is able to obtain power through induction via the inductively powering rail. Accessories may be attached to various fixture points on the inductively powering rail and are detected by the firearm when attached and detached. When attached, power and data communications may flow between the accessory and a master CPU located on the firearm. Accessories that are attached to the inductively powering rail and have rechargeable power systems may be recharged via the inductive power rail. Further, accessories that have power that is not needed may be transferred to other accessories.