



- (51) **International Patent Classification:**
G06K 7/08 (2006.01) *G06K 19/06* (2006.01)
- (21) **International Application Number:**
PCT/EP2015/080663
- (22) **International Filing Date:**
18 December 2015 (18.12.2015)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
14199442.6 19 December 2014 (19.12.2014) EP
15164120.6 17 April 2015 (17.04.2015) EP
- (71) **Applicant:** CARDLAB APS [DK/DK]; Lyskaer 3 EF,
2730 Herlev (DK).
- (72) **Inventor:** NIELSEN, Finn; Grækenlandsvej 125, 2300
Copenhagen S (DK).
- (74) **Agents:** SIMONSEN, Jan et al.; Inspicos P/S, Kogle Allé
2, 2970 Hørsholm (DK).
- (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, BN, 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, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG,
MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, ST, SZ,
TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU,
TJ, TM), European (AL, 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, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

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

(54) **Title:** A METHOD AND AN ASSEMBLY FOR GENERATING A MAGNETIC FIELD AND A METHOD OF MANUFACTURING AN ASSEMBLY

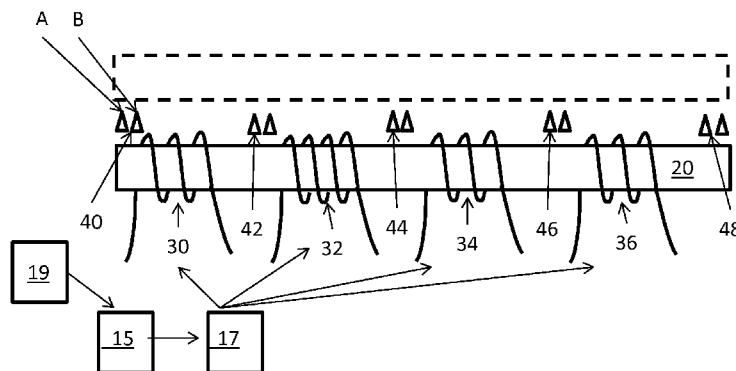


Figure 3

(57) **Abstract:** A credit card shaped element with a dynamic stripe which may be activated or deactivated, where the stripe is formed by a plurality of coils provided along the curve thereof, where the plurality of coils are activated in a sequential manner, where a plurality of proximity sensing coils are provided in series along the curve thereof, where the plurality of coils are formed by one coil contacted at multiple positions along its length by contact pads and where the signals fed to the coils cause an output of a reader coil to output a signals with a minimum slope or where one signal fed to one track has no peaks when the other signal is close to zero.

