



- (51) **International Patent Classification:**
G06F 3/033 (2013.01) *G06F 3/041* (2006.01)
- (21) **International Application Number:**
PCT/US2013/020181
- (22) **International Filing Date:**
3 January 2013 (03.01.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/584,914 10 January 2012 (10.01.2012) US
- (71) **Applicant:** NEONODE INC. [US/US]; 2350 Mission College Blvd., Suite 190, Santa Clara, CA 95054 (US).
- (72) **Inventor:** FRÖJDH, Gunnar, Martin; Dalarövägen 236, S-113771 Dalarö (SE).
- (74) **Agent:** BERGER, Marc, A.; Soquel Group LLC, P.O. Box 691, Soquel, CA 95073 (US).
- (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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, 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, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

(54) **Title:** COMBINED RADIO-FREQUENCY IDENTIFICATION AND TOUCH INPUT FOR A TOUCH SCREEN

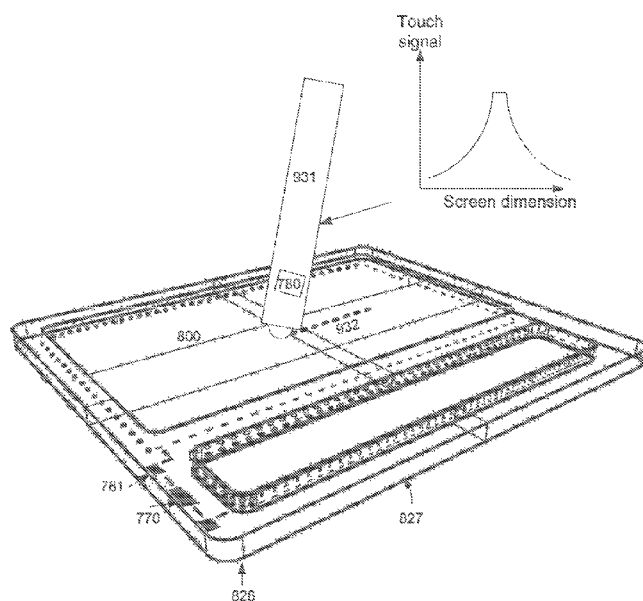


FIG. 1

(57) **Abstract:** A graphics tablet system including a housing, a touch screen in the housing for receiving touch input, and for displaying graphics corresponding to the received touch input, a plurality of styli for performing touch input, each stylus including an RFID chip storing one or more graphic attributes, and a visible indicator of the one or more graphic attributes, an RFID reader in the housing for reading the stored one or more graphic attributes from a stylus touching the touch screen, and a processor in the housing, connected to the touch screen and to the RFID reader, for rendering a drawing on the touch screen according to the motion of the stylus on the touch screen and according to one or more graphic attributes read by the RFID reader from the stylus, wherein the plurality of styli store different one or more graphic attributes.