



(51) International Patent Classification:

G06F 3/033 (2013.01)

(21) International Application Number:

PCT/US2014/030710

(22) International Filing Date:

17 March 2014 (17.03.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/798,948 15 March 2013 (15.03.2013) US
 14/216,948 17 March 2014 (17.03.2014) US

(71) Applicant: TACTUAL LABS CO. [US/US]; 160 Wooster Street, Penthouse B, New York, New York 10012 (US).

(72) Inventor: LEIGH, Darren; 17615 Greenleaf Place, Round Hill, Virginia 20141 (US).

(74) Agents: KURTZ, Richard et al.; 450 So. Orange Ave., Suite 650, Orlando, Florida 32801 (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,

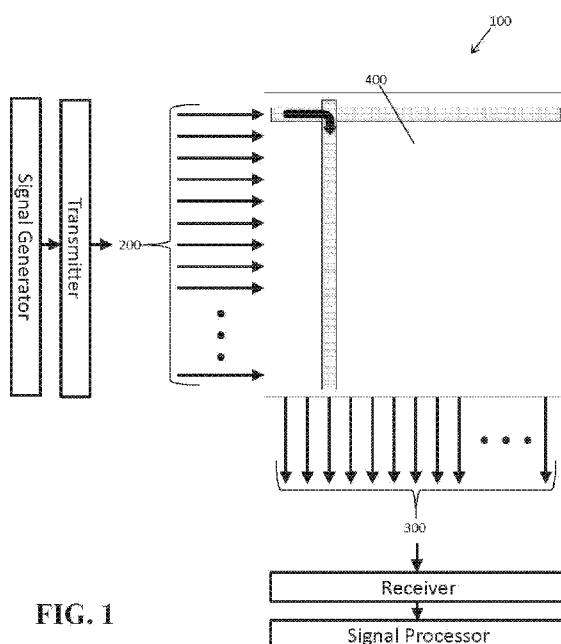
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, 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, 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).

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))

(54) Title: FAST MULTI-TOUCH STYLUS AND SENSOR



(57) Abstract: A stylus and touch sensitive device are disclosed. The stylus includes a stylus transmitter for transmitting a stylus signal. The touch sensitive device includes row conductors, each of which is associated with a row transmitter and a row receiver. The row transmitter is adapted to simultaneously transmit row signals, each on its associated row conductor, each of the row signals being orthogonal to each other of the plurality of row signals transmitted on each other of the row conductors. The row receiver is adapted to detect the stylus signal. Column conductors are provided, each associated with a column receiver that is adapted to detect the presence of each of the row signals transmitted by the row transmitter and the stylus signal.