

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
6 April 2006 (06.04.2006)

PCT

(10) International Publication Number
WO 2006/035340 A1(51) International Patent Classification⁷: **G06K 11/00**,
G06F 3/033, G05G 9/047, A63F 13/06(21) International Application Number:
PCT/IB2005/053058(22) International Filing Date:
19 September 2005 (19.09.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04104681.4 27 September 2004 (27.09.2004) EP
04105256.4 22 October 2004 (22.10.2004) EP(71) Applicant (for all designated States except US): **KONIN-
KLJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

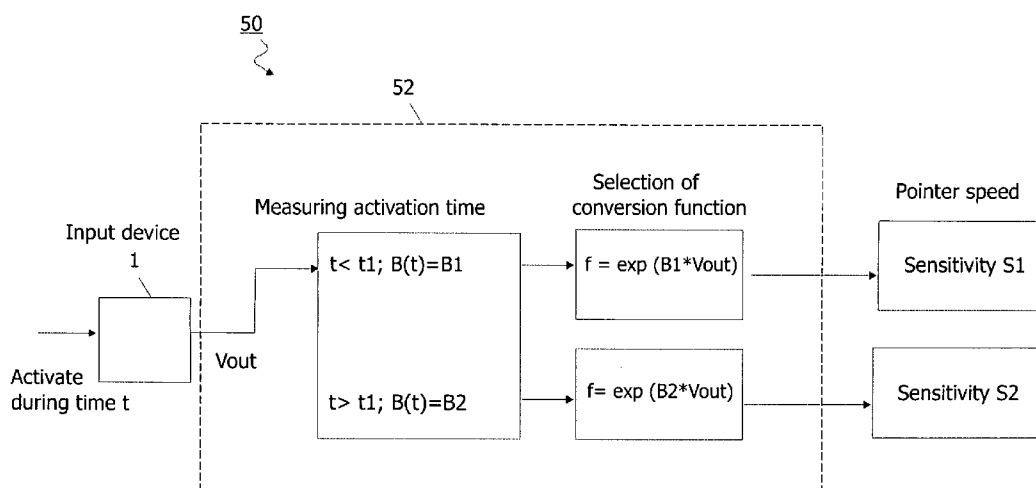
(72) Inventors; and

(75) Inventors/Applicants (for US only): **VAN ZON, Hans**
[NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven
(NL). **KLEIJER, Steven, F.** [NL/NL]; c/o Prof. Holstlaan
6, NL-5656 AA Eindhoven (NL).(74) Agents: **ELEVELD, Koop, J.** et al.; Prof. Holstlaan 6,
NL-5656 AA Eindhoven (NL).(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY,
MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, 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, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).**Declaration 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

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR SELECTING THE SENSITIVITY OF AN INPUT DEVICE

(57) Abstract: A system (50) is disclosed for selecting the speed of a pointer on a display, the system comprising: -an analog input device (1) arranged to generate an analog output signal (Vout), the analog input device suitable to be activated during an activation time (t), -signal processing means (52) arranged to select, depending on the activation time (t), a conversion function (f) for converting the output signal (Vout), the conversion function being different for different activation times, so that the converted output signal determines the speed of the pointer on the display. Generally, it is the scope of the invention to make the speed of the pointer icon on the screen both dependent on the time, t , and dependent on the output signal, V_{out} , of the analog input device itself, i.e. the pointer speed is a two-dimensional function $f(t, V_{out})$. This two-dimensional function is optimized such that a good response between the handling of the input device and the pointer icon is obtained.