

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
22 August 2024 (22.08.2024)



(10) International Publication Number
WO 2024/168537 A1

(51) International Patent Classification:
G06F 3/0362 (2013.01)

(21) International Application Number:
PCT/CN2023/075997

(22) International Filing Date:
14 February 2023 (14.02.2023)

(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, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE,
KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU,
LY, MA, MD, 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, ST, SV, SY, TH, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,

(54) Title: ANALOG INPUT DEVICE, COMPUTING SYSTEM AND METHOD FOR RECEIVING AND PROCESSING ANALOG INPUT

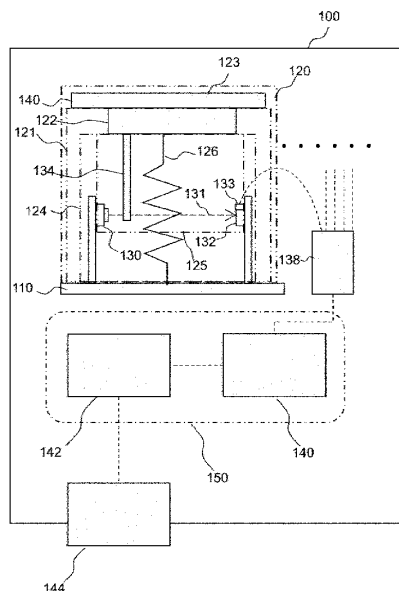


FIG. 1

(57) Abstract: In some embodiments, an analog input device includes a mounting panel and a matrix of analog push button assemblies mounted to the mounting panel. Each analog push button assembly includes an analog pressure sensor that includes a plunger element and a pressure reception arrangement having an optical sensing sub-arrangement and an output terminal. When the analog push button assembly is pressed by a user's finger, the plunger element is configured to move towards the mounting panel to exert a pressure on the pressure reception arrangement. The optical sensing sub-arrangement includes a light blocking element which is associated with the plunger element so as to be movable together with the plunger element along a movement direction of the plunger element, and the light blocking element includes a cut-out profile which varies an amount of light passing through the light blocking element as the light blocking element moves along the movement direction.

[Continued on next page]

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))*