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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
3 August 2006 (03.08.2006)

PCT

(10) International Publication Number
WO 2006/080787 A1

(51) International Patent Classification:
G06F 3/00 (2006.01)

(21) International Application Number:
PCT/KR2006/000218

(22) International Filing Date: 19 January 2006 (19.01.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2005-0007742 27 January 2005 (27.01.2005) KR

(71) Applicant *(for all designated States except US)*: **ATLAB INC.** [KR/KR]; 3rd Fl., Seokam Bldg., 1082-12, Poong-duckcheon-dong, Youngin-si, Gyeongggi-do 449-170 (KR).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **LEE, Bang-won** [KR/KR]; 517-1402, Samsung Apt., Jinsan-maeul, 1168, Poongduckcheon-dong, Yongin-si, Gyeonggi-do 448-171 (KR). **JOUNG, Chul-yong** [KR/KR]; 216-402, Family Apt., Moonjeong-dong, Songpa-gu, Seoul 138-200 (KR).

(74) Agent: **PARK, Sang-soo**; Suite 1810, Hwanghwa Bldg., 832-7, Yoksam-dong, Kangnam-gu, Seoul 135-936 (KR).

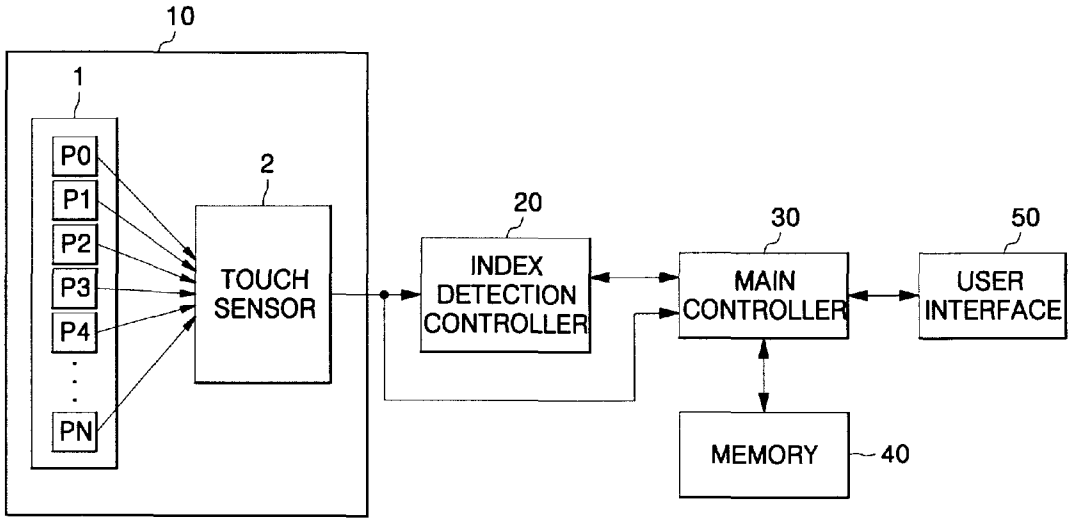
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LC, LK, 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).

Published:
— *with international search report*

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

(54) **Title:** APPARATUS AND METHOD FOR SEARCHING AND DISPLAYING DATA



(57) **Abstract:** The present invention claims an apparatus and method for searching and displaying data. The apparatus includes a scroller having a plurality of touch pads, a memory for storing the data, a controller for obtaining a first memory area to sequentially output a data of the first memory area when data is displayed, as well as obtaining a second memory area to sequentially output a data of the second memory area when memory mapping operation is performed, and a user interface for sensing and relaying a request of a user and displaying the data output from the controller on a screen. The controller performs the memory mapping operation in order to get the starting point of the second memory area, which is the part of the first memory area, when at least one touch pad is touched for a pre-determined time or when a request is made for the memory mapping operation through the user interface. The starting point of the second memory area corresponds to the relative position of the touched pad to the whole touch pads.

WO 2006/080787 A1