



(51) International Patent Classification:
G06F 3/048 (2006.01)

(21) International Application Number:
PCT/US2013/050118

(22) International Filing Date:
11 July 2013 (11.07.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/670,951 12 July 2012 (12.07.2012) US

(72) Inventors; and

(71) Applicants : **POLO, Michael, Joseph** [US/US]; 12331 Bartelt Court, Huntley, IL 60142 (US). **HELVIE, Sarah, Anne** [US/US]; 435 Wicks Street, Grayslake, IL 60030 (US). **LAVIN, Douglas, Benjamin** [US/US]; 170 East 83rd Street, Apt. 7M, New York, NY 10028 (US). **CAR-GILL, Barnabe** [FR/US]; 28 Jones Street, New York, NY 10014 (US). **BLIJD, Raymond, Maurice** [NL/NL]; Jan De Louterstraat 113, NL-1063KZ Amsterdam (NL).

CHATELAINE, John, Paul [US/US]; 18296 Lake Forest Drive, Lakeville, MN 55044 (US).

(74) Agent: **LINDNER, David, P.**; Brinks Hofer Gilson & Li-one, P.O. Box 10087, Chicago, IL 60610 (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, 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,

[Continued on next page]

(54) Title: E-BOOK APPLICATION WITH MULTI-DOCUMENT DISPLAY

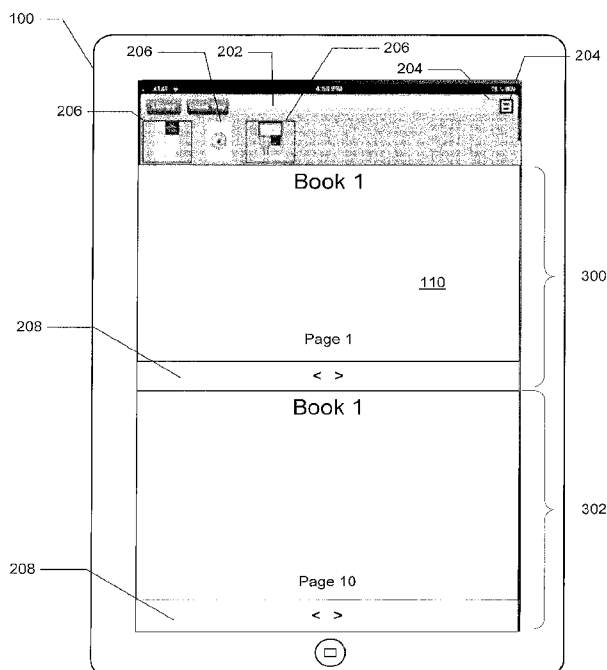


FIG. 3

(57) Abstract: A processor operating an e-book application may receive a first message at a user device representing a first electronic document to be displayed in a first portion of a viewable display area of the user device. The processor may automatically size the first document to fill the first portion of the viewable display area, where the first portion of the viewable display area is less than all of the viewable display area of the user device. A second user message may be received by the processor representing a second electronic document to be displayed in a second portion of the viewable display area. The processor may automatically size the second electronic document to fill the second portion of the viewable display area being a difference between the viewable display area and the first portion of the viewable display area.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

— *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))*

Published:

— *with international search report (Art. 21(3))*

(88) Date of publication of the international search report:

10 April 2014

INTERNATIONAL SEARCH REPORT **PCT/US2013/050118 10.02.2014**

International application No.

PCT/US13/50118

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 3/048; 345/173 (2014.01)

USPC - 715/781; 345/173

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) Classification(s): G06F 3/048, 3/041 (2014.01)

USPC Classification(s): 715/763, 781, 788; 345/173

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C,B, DE-A, DE-T, DE-U, GB-A, FR-A); ProQuest; IEEE/IEEEExplore; Google/Google Scholar; IP.com; Search Terms Used: first, initial, second, dual, window, display, size, dimension, portion, area, automatic, dynamic, fixed, predefine, preset, predetermine, touch, ebook

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0116420 A1 (ALLAM, SG et al.) August 22, 2002; figures 1, 3, 8, 10; paragraphs [0035], [0037], [0040], [0041], [0049], [0052], [0053]; claim 1	1-20
A	US 2007/0101289 A1 (AWADA, FM et al.) May 3, 2007; entire document	1-20
A	US 2007/0209019 A1 (KAVAL, M et al.) September 6, 2007; entire document	1-20
A	US 2003/0226113 A1 (ALTMAN, DW et al.) December 4, 2003; entire document	1-20

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 January 2014 (13.01.2014)

Date of mailing of the international search report

10 FEB 2014

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents

P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

Authorized officer:

Shane Thomas

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774