US009052816B2

(12) **United States Patent**
Hashimoto et al.

(10) **Patent No.: US 9,052,816 B2**
(45) **Date of Patent: Jun. 9, 2015**

(54) **COMPUTING DEVICE AND BROWSER FOR SAME**

(71) Applicant: **Nintendo Co., Ltd.**, Kyoto (JP)

(72) Inventors: **Hideyuki Hashimoto**, Kyoto (JP); **Shigetoshi Kitayama**, Kyoto (JP)

(73) Assignee: **Nintendo Co., Ltd.**, Kyoto (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **14/548,080**

(22) Filed: **Nov. 19, 2014**

(65) **Prior Publication Data**

US 2015/0070291 A1 Mar. 12, 2015

Related U.S. Application Data

(63) Continuation of application No. 13/355,545, filed on Jan. 22, 2012, which is a continuation of application No. 11/253,793, filed on Oct. 20, 2005, now Pat. No. 8,169,410.

(60) Provisional application No. 60/619,952, filed on Oct. 20, 2004.

(51) **Int. Cl.**
G06F 3/041 (2006.01)
G06F 3/0488 (2013.01)
(Continued)

(52) **U.S. Cl.**
CPC ***G06F 3/0488*** (2013.01); ***G06F 3/04883*** (2013.01); ***G06F 3/041*** (2013.01);
(Continued)

(58) **Field of Classification Search**
CPC G06F 3/0483; G06F 17/30873; G06F 17/30884; G06F 2203/0339; G06F 3/033; G06F 3/038; G06F 3/0488; G06F 3/04886
USPC 345/173
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,751,669 A 6/1988 Sturgis et al.
4,873,662 A 10/1989 Sargent
(Continued)

FOREIGN PATENT DOCUMENTS

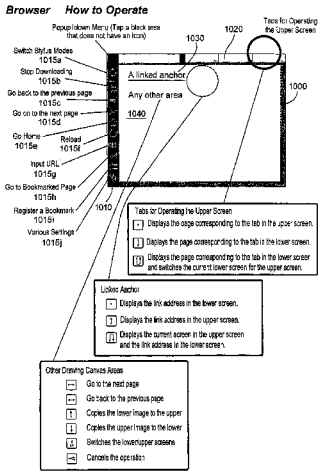
JP 05-127819 5/1993
JP 07-294892 11/1995
(Continued)

OTHER PUBLICATIONS

Willey, "Design and Implementation of a Stroke Interface Library", Internet Article, Mar. 24, 1997, 6 pages, IEEE Region 4 Student Paper Contest, http://citeseer.ist.psu.edu/cache/papers/cs/24072/http:zSzzSzwww.etla.netzSzlibstrokezSzlibstroke.pdf/willey97design.pdf.
(Continued)

Primary Examiner — Viet Pham
(74) *Attorney, Agent, or Firm* — Nixon & Vanderhye, P.C.

(57) **ABSTRACT**

An example computing device includes a touch screen display; wireless communication circuitry; one or more processors; and memory for storing a browser program for displaying web pages on the touch screen display. The one or more processors are configured to execute the browser program to control the computing device to at least: display, on the touch screen display, web pages accessed via the wireless communication circuitry; and display, on the touch screen display, a pop-up menu concurrently with a displayed web page. The pop-up menu includes at least a first touch image for displaying a previous web page, a second touch image for displaying a next web page, a third touch image for accessing a process to display a bookmarked web page and a fourth touch image for accessing a process to bookmark a web page.

30 Claims, 15 Drawing Sheets