

Exhibit 43



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

(10) **Patent No.:** **US 7,479,949 B2**

(45) **Date of Patent:** ***Jan. 20, 2009**

(54) **TOUCH SCREEN DEVICE, METHOD, AND GRAPHICAL USER INTERFACE FOR DETERMINING COMMANDS BY APPLYING HEURISTICS**

(65) **Prior Publication Data**

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Related U.S. Application Data

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(63) Continuation of application No. 11/850,635, filed on Sep. 5, 2007.

(60) Provisional application No. 60/937,993, filed on Jun. 29, 2007, provisional application No. 60/937,991, filed on Jun. 29, 2007, provisional application No. 60/879,469, filed on Jan. 8, 2007, provisional application No. 60/879,253, filed on Jan. 7, 2007, provisional application No. 60/824,769, filed on Sep. 6, 2006.

(51) **Int. Cl.**
G09G 5/00 (2006.01)
G06F 3/048 (2006.01)

(52) **U.S. Cl.** **345/173**; 345/169; 715/786; 715/784

(58) **Field of Classification Search** 345/157, 173-181
See application file for complete search history.

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

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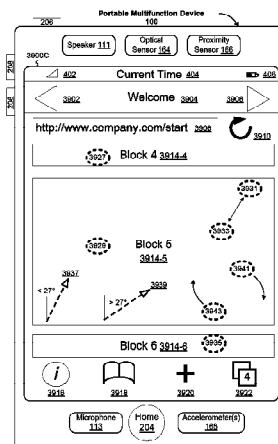
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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **12/101,832**

(22) Filed: **Apr. 11, 2008**



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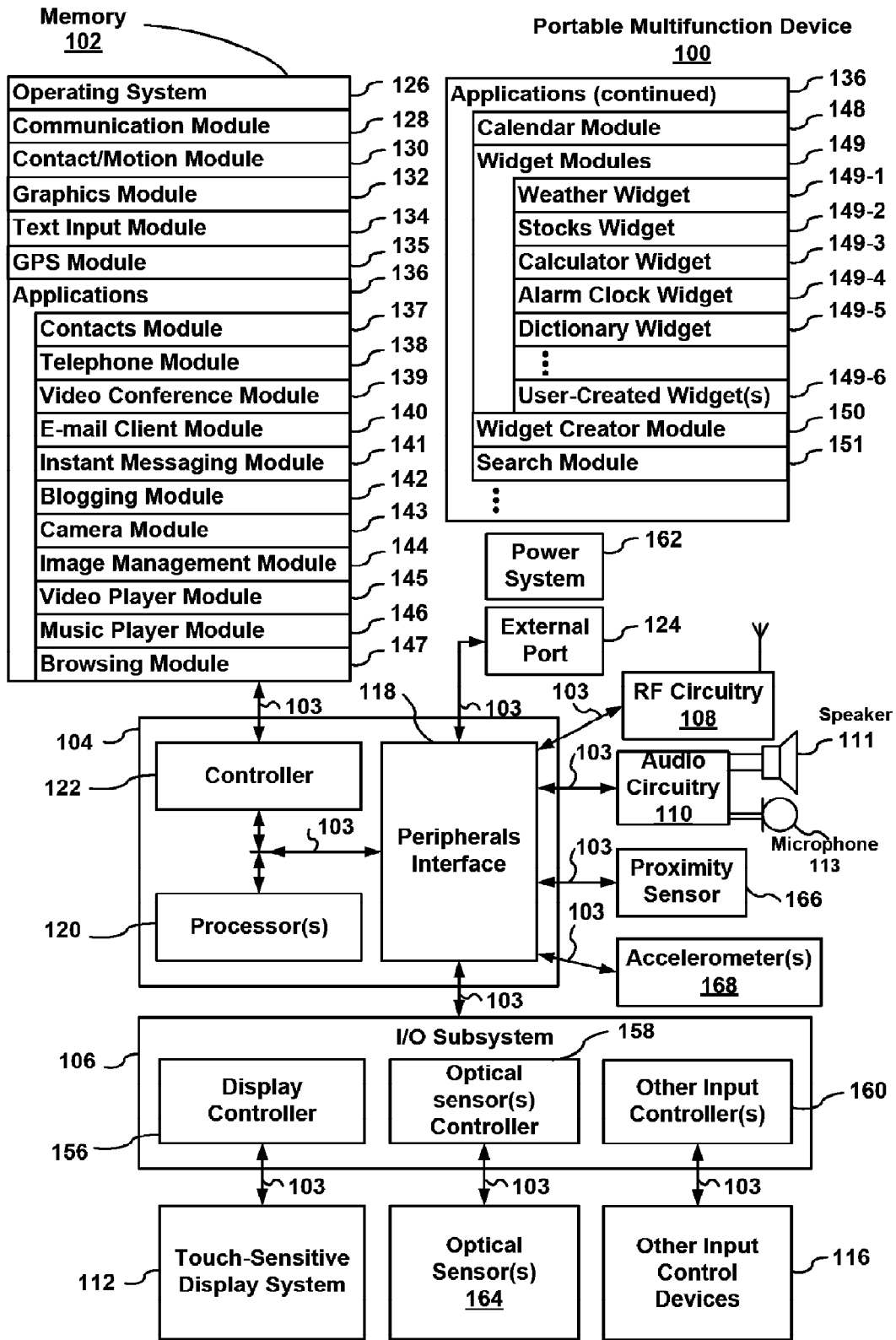
(74) Attorney, Agent, or Firm—Morgan, Lewis & Bockius LLP

(57)

ABSTRACT

A computer-implemented method for use in conjunction with a computing device with a touch screen display comprises: detecting one or more finger contacts with the touch screen display, applying one or more heuristics to the one or more finger contacts to determine a command for the device, and processing the command. The one or more heuristics comprise: a heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command, a heuristic for determining that the one or more finger contacts correspond to a two-dimensional screen translation command, and a heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.

20 Claims, 293 Drawing Sheets



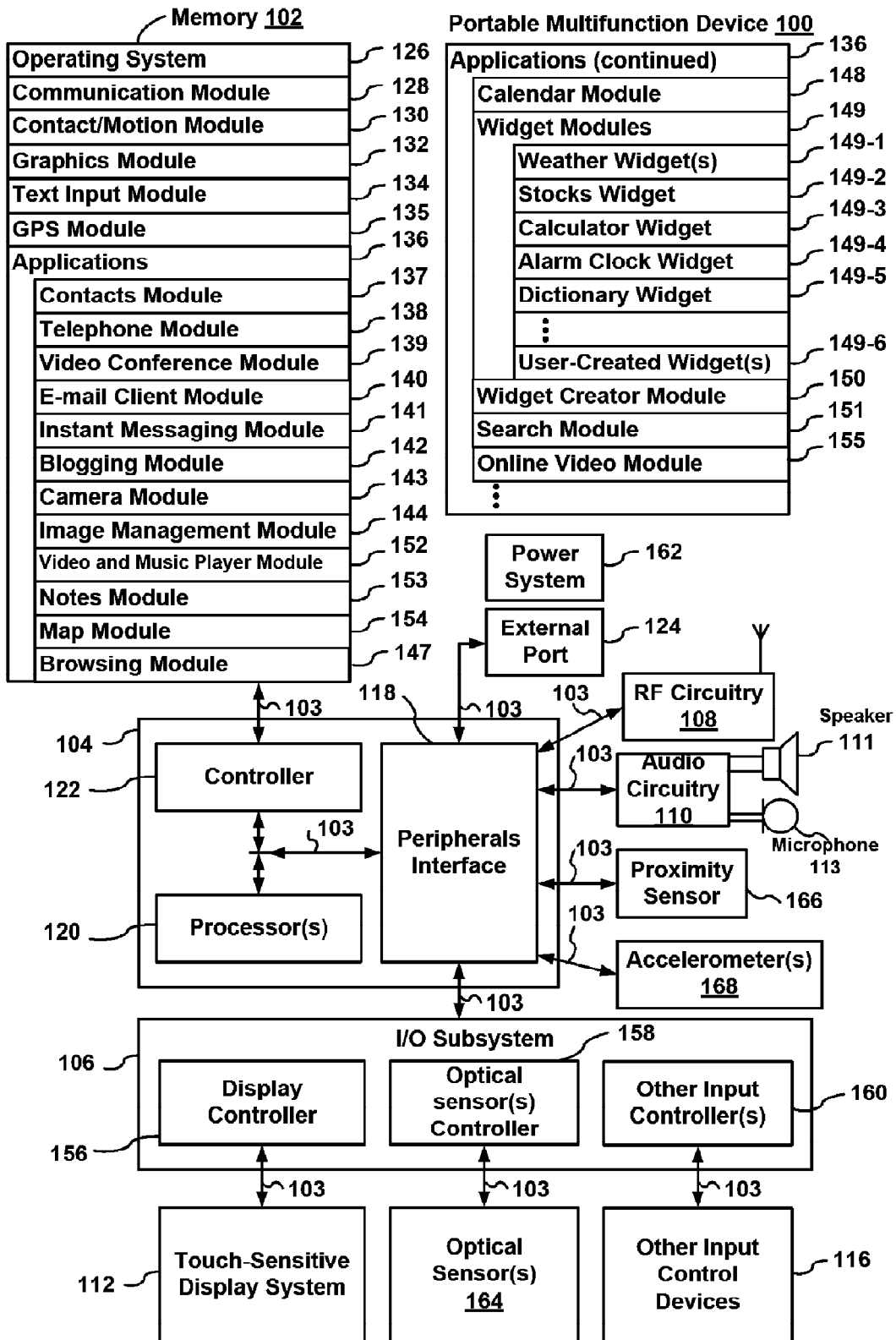


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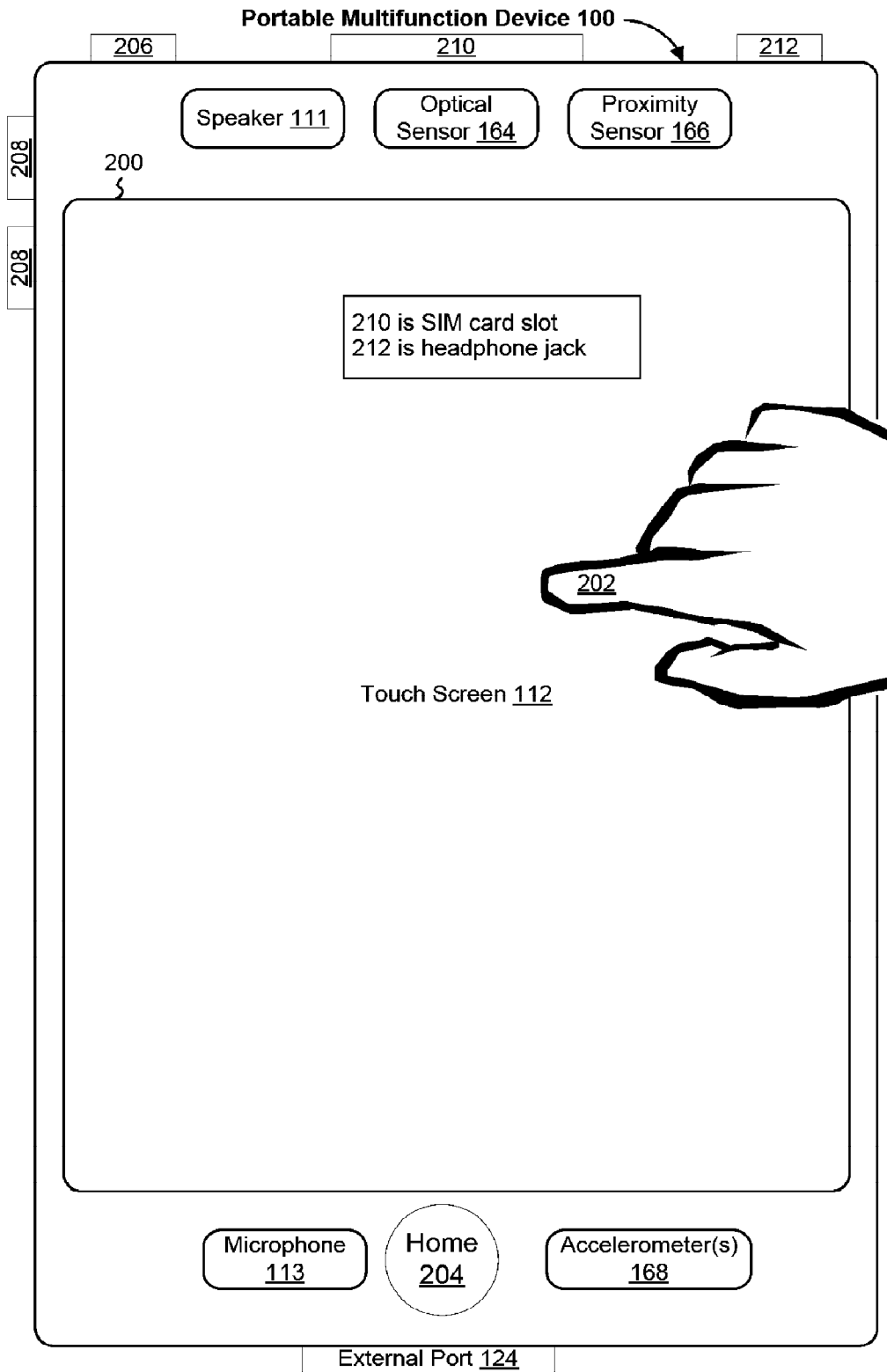


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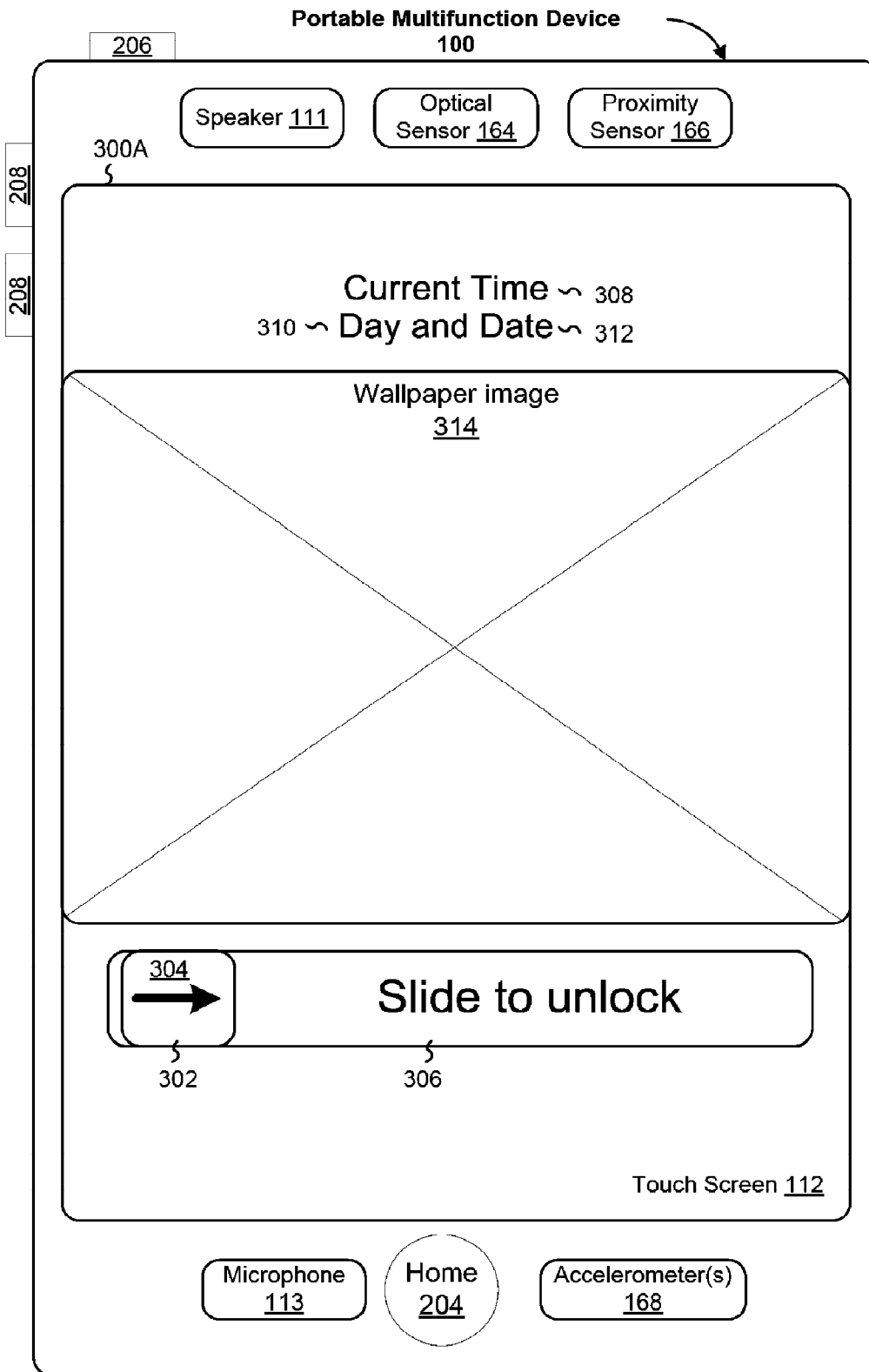


Figure 3A

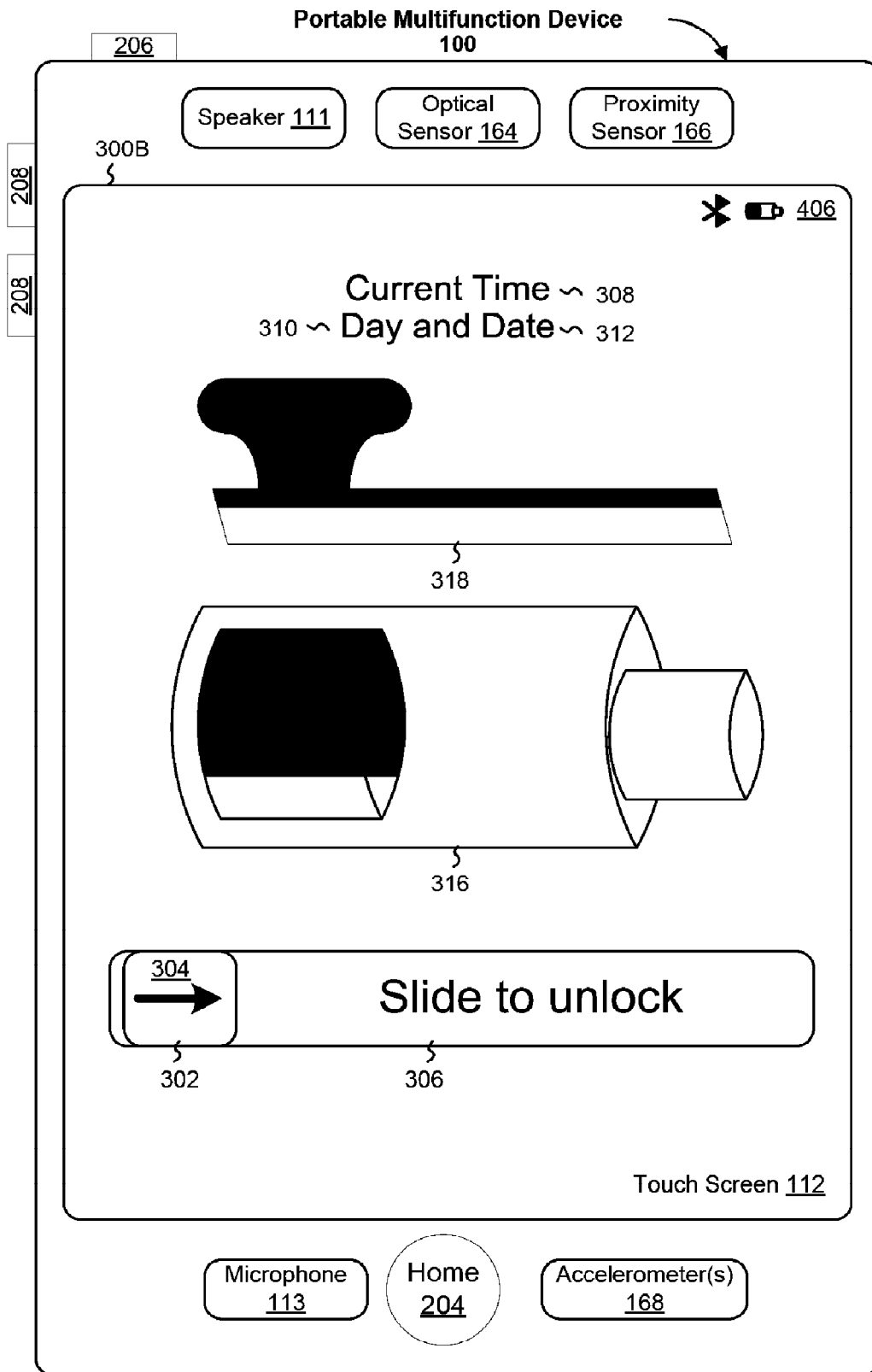


Figure 3B

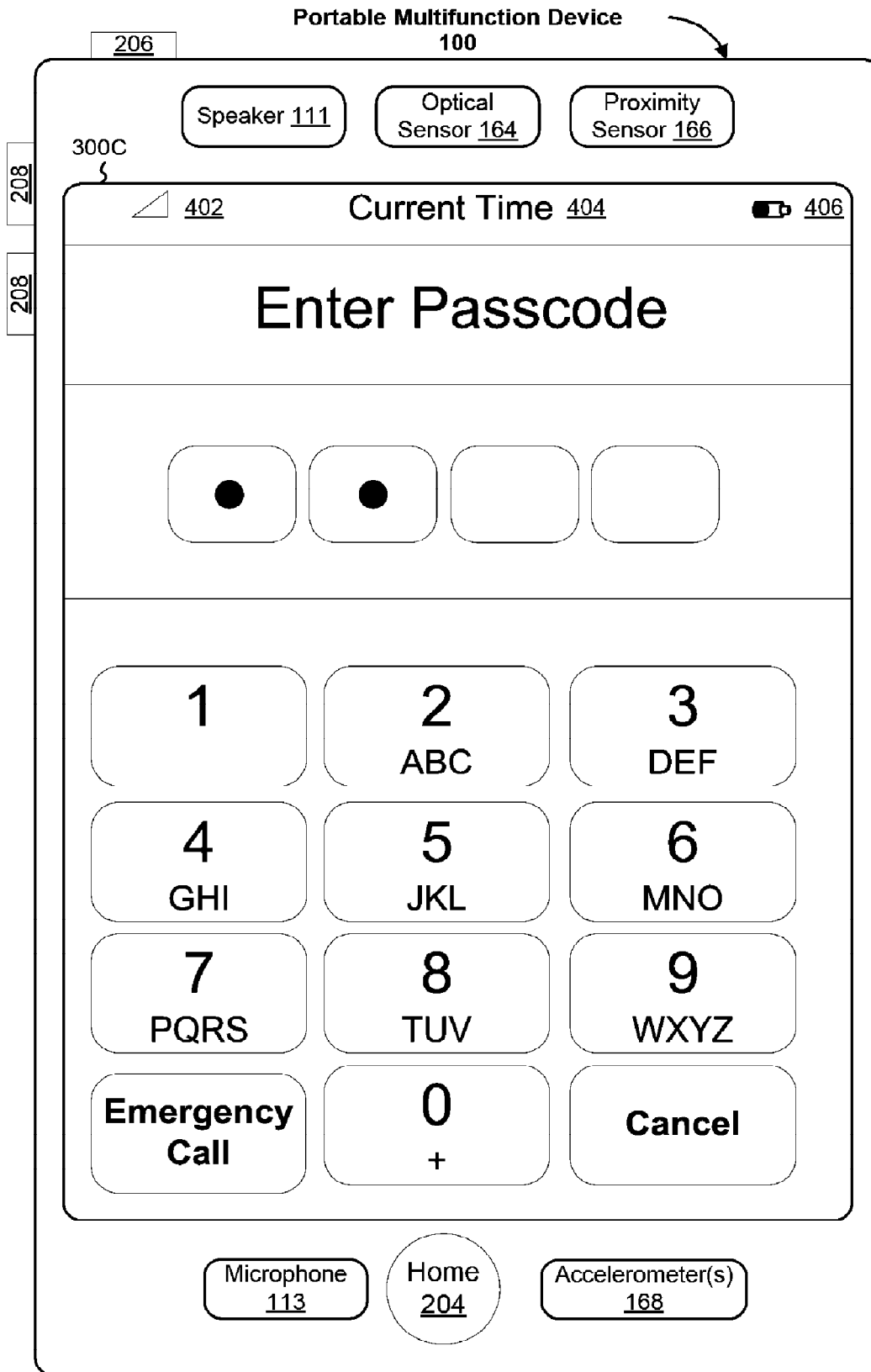


Figure 3C

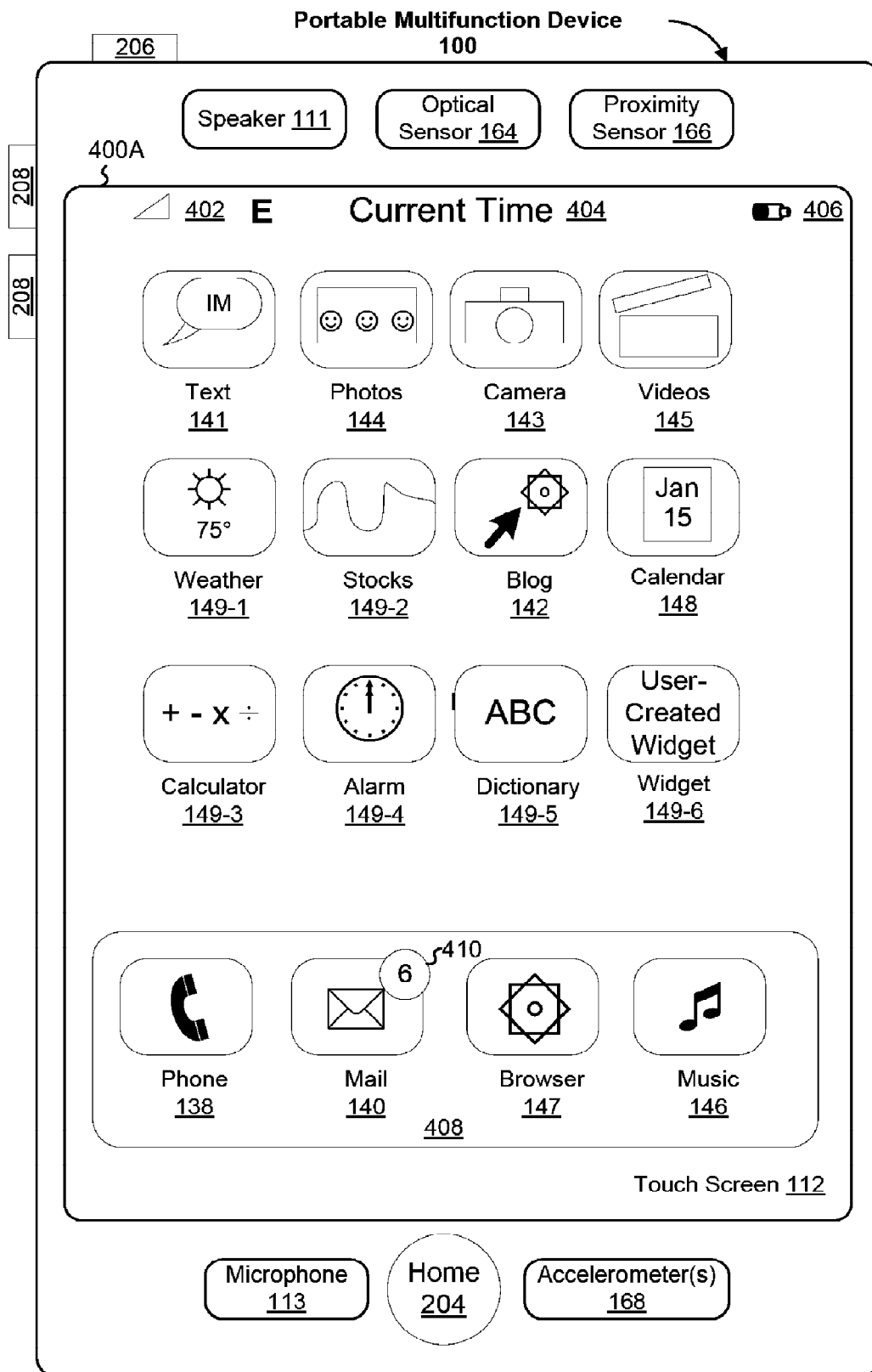


Figure 4A

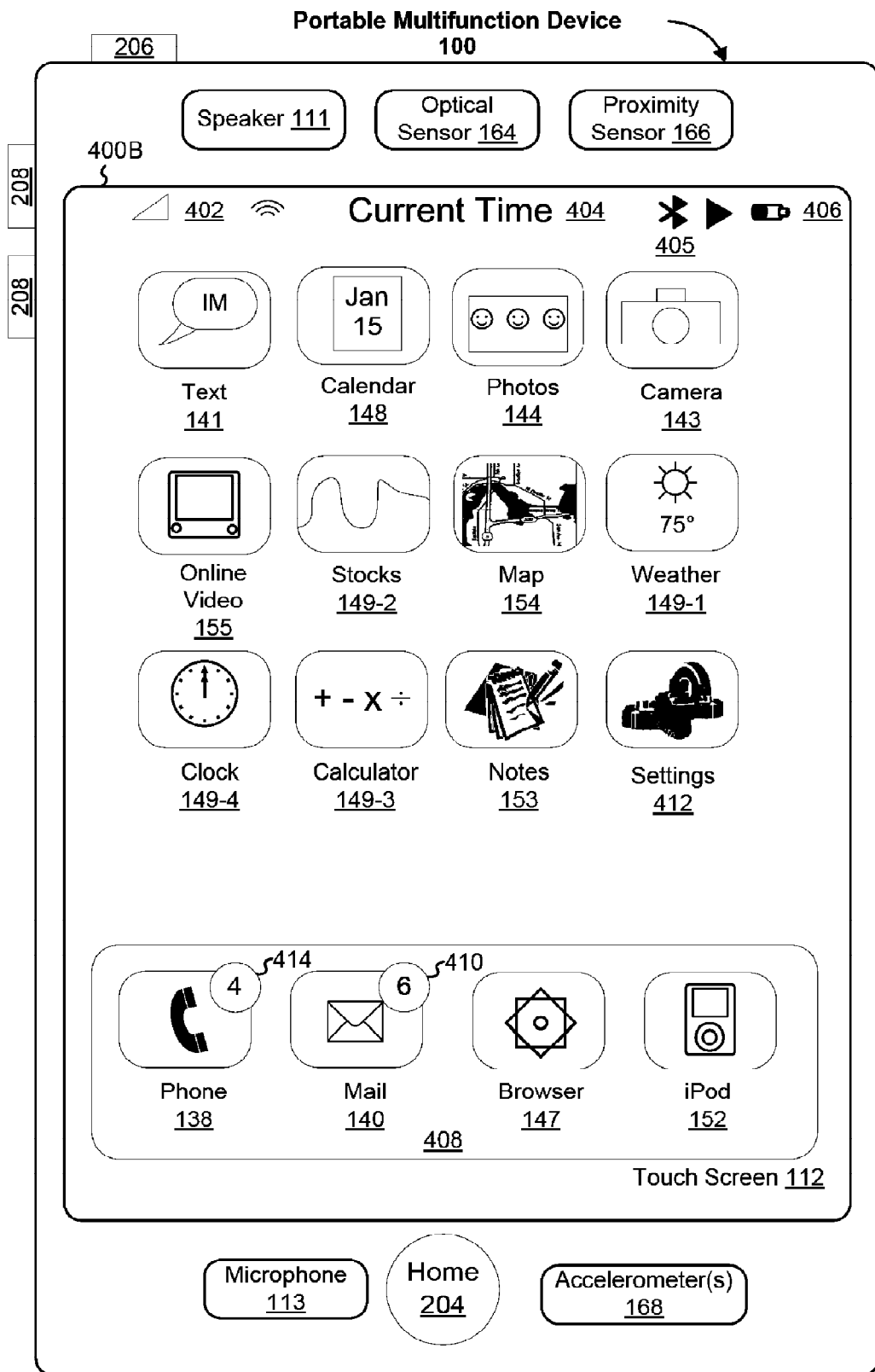


Figure 4B

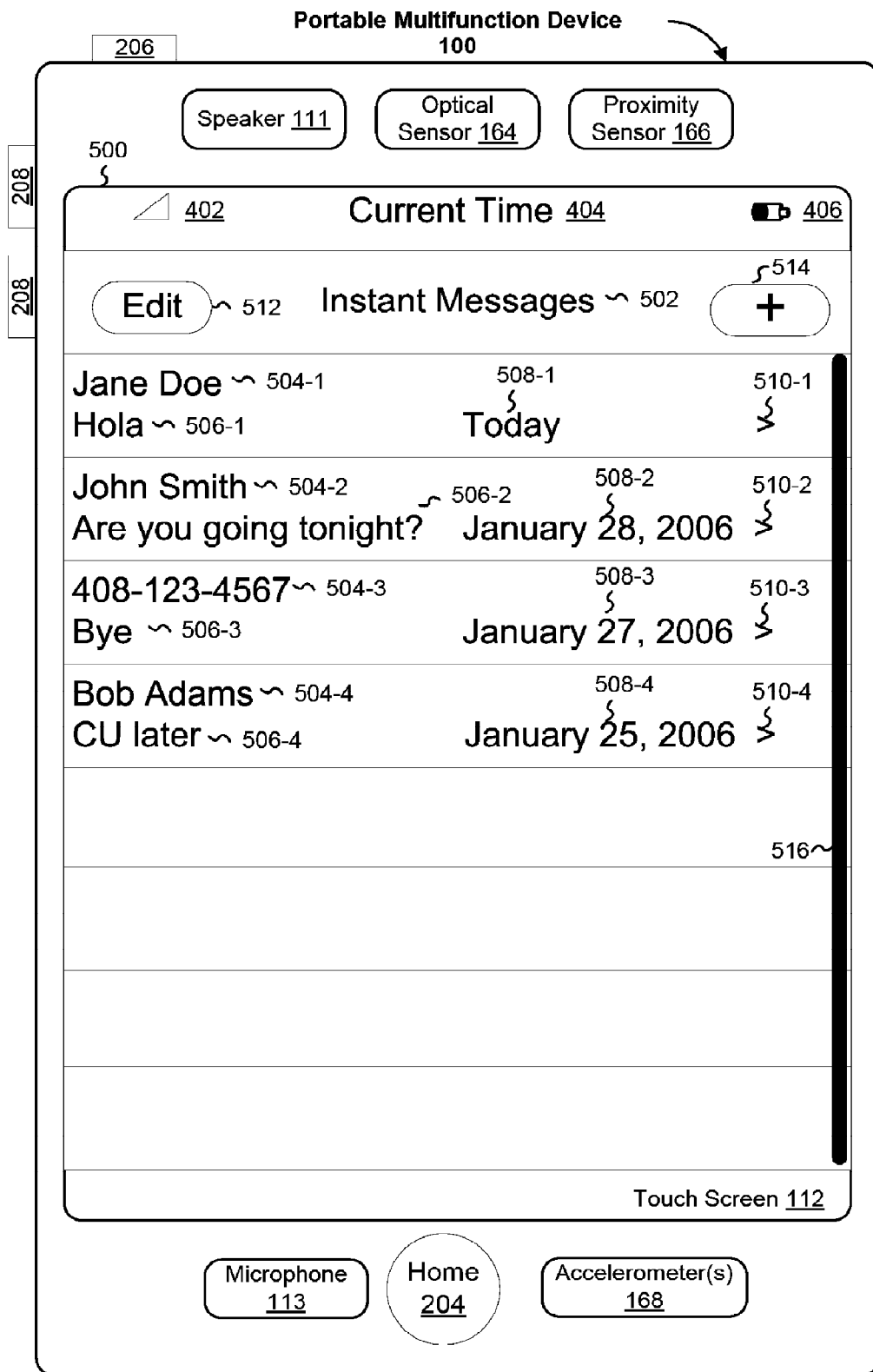


Figure 5

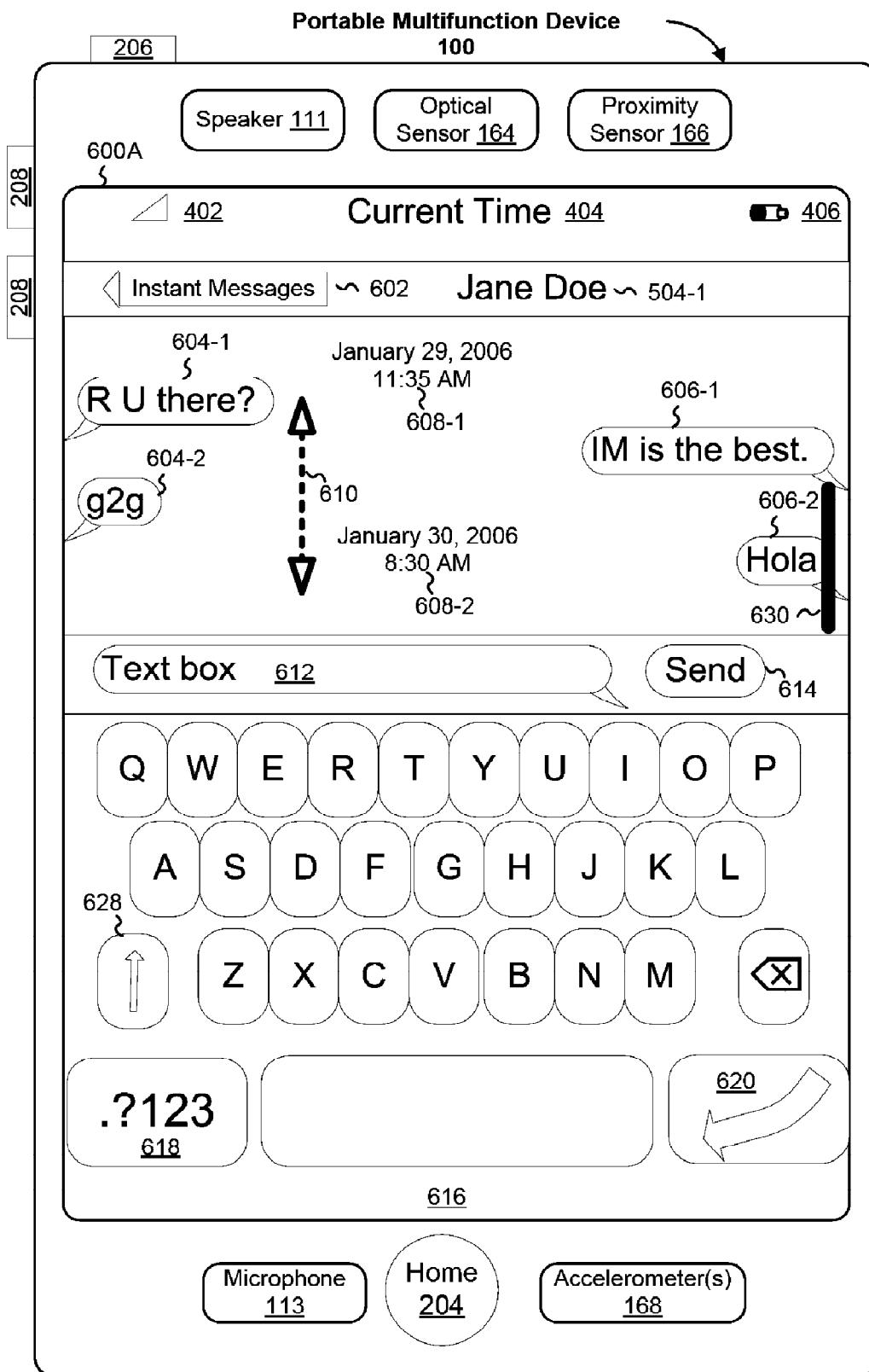


Figure 6A

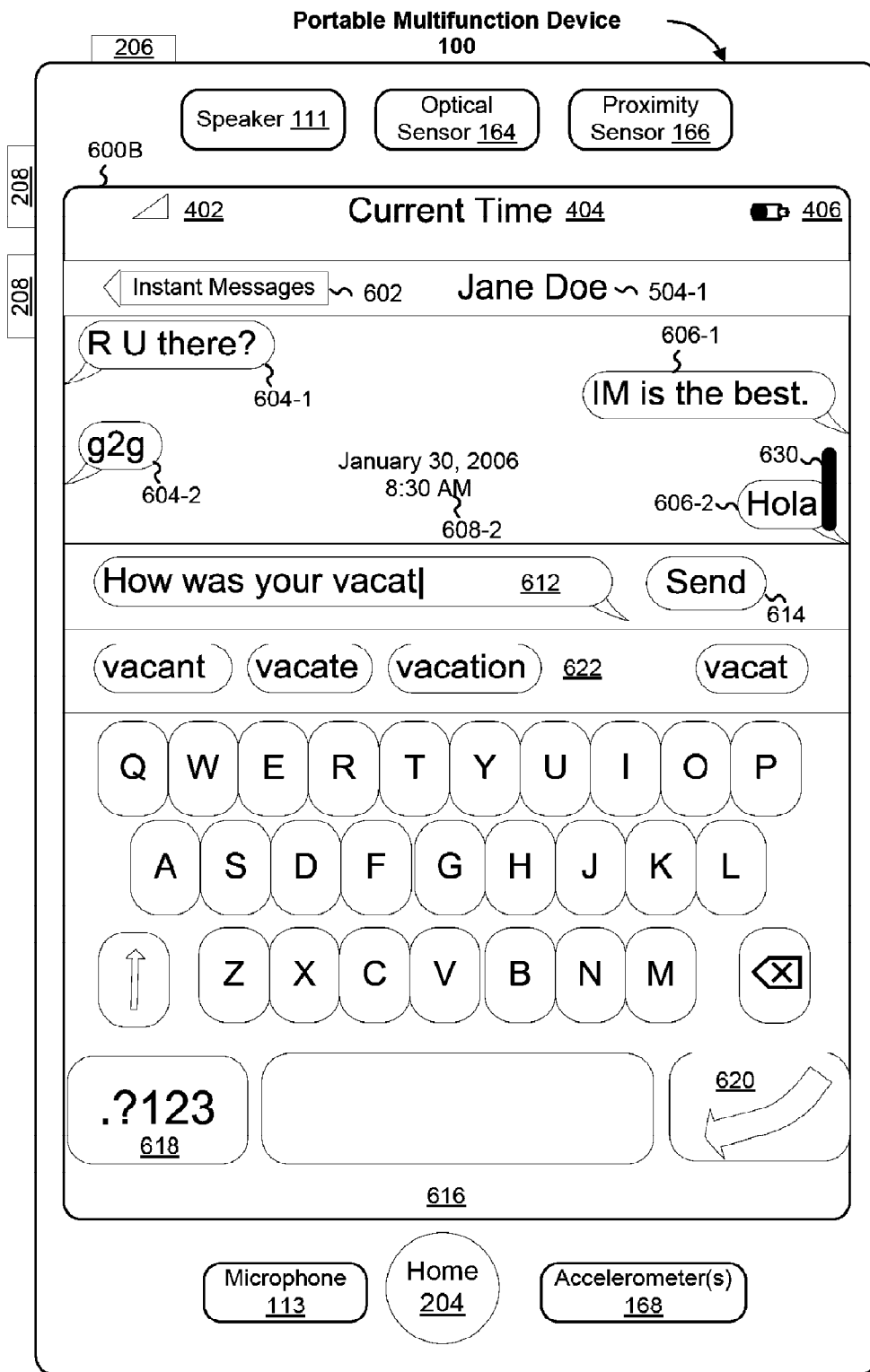


Figure 6B

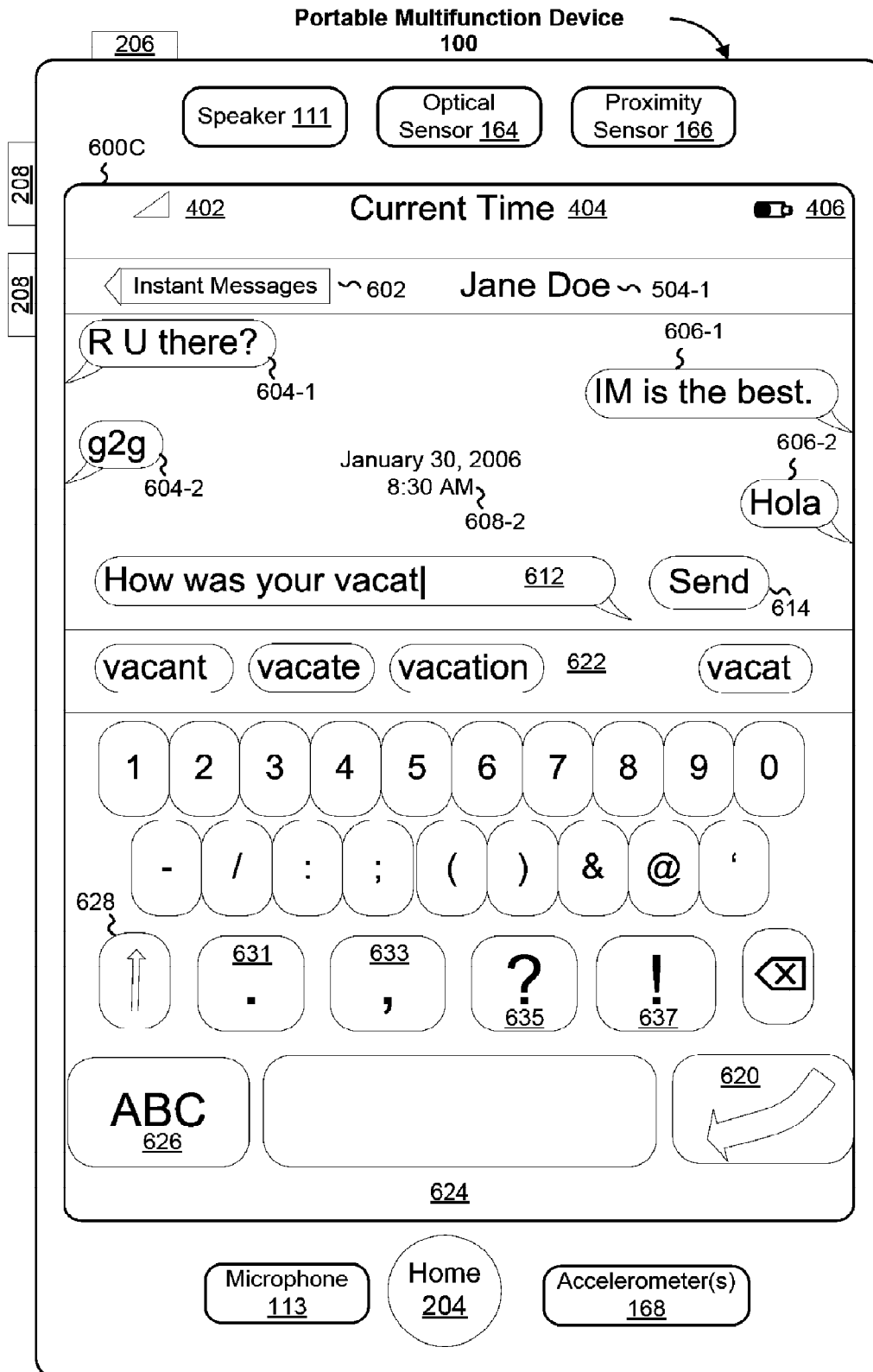


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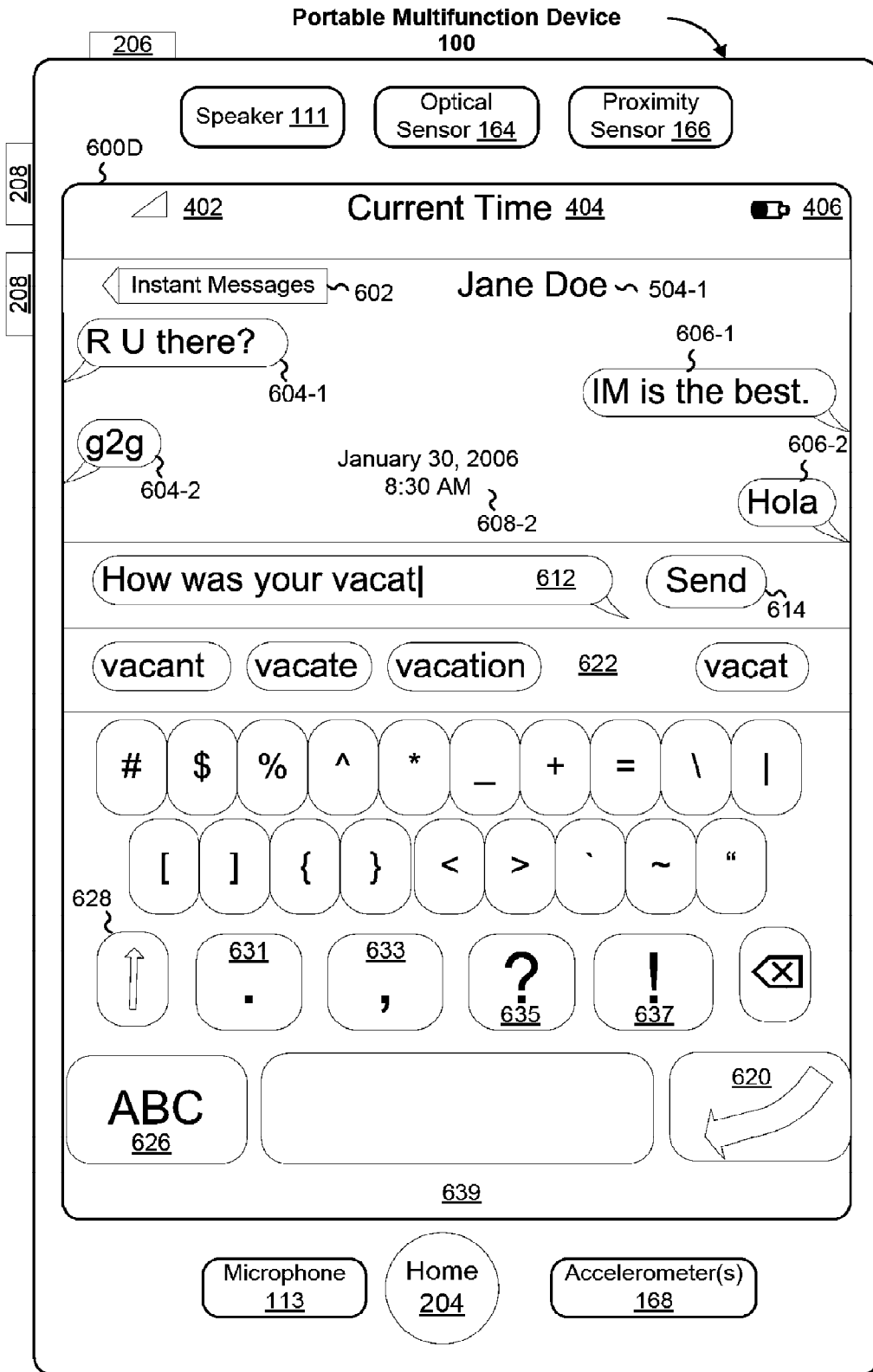


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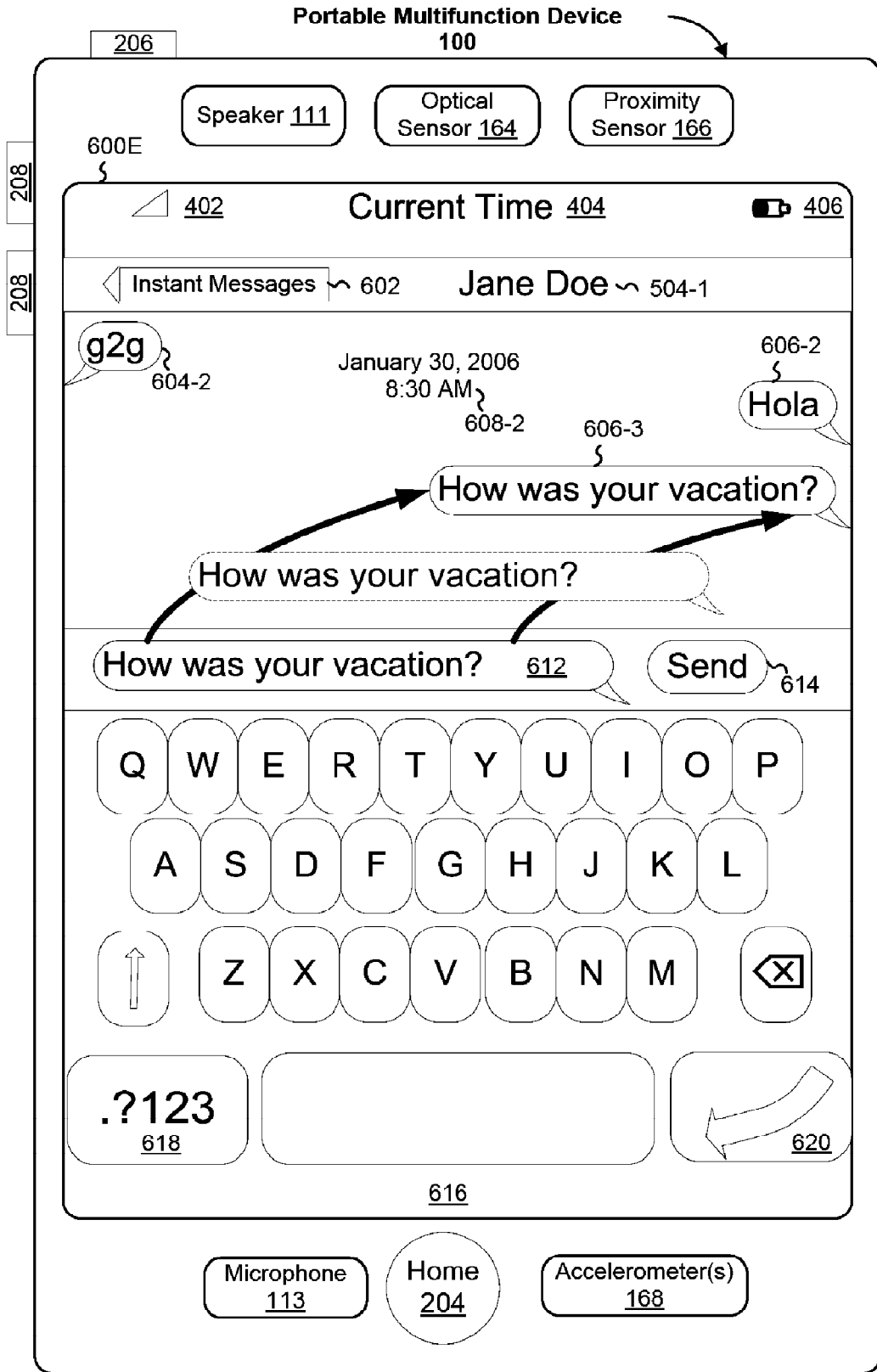


Figure 6E



Figure 6F

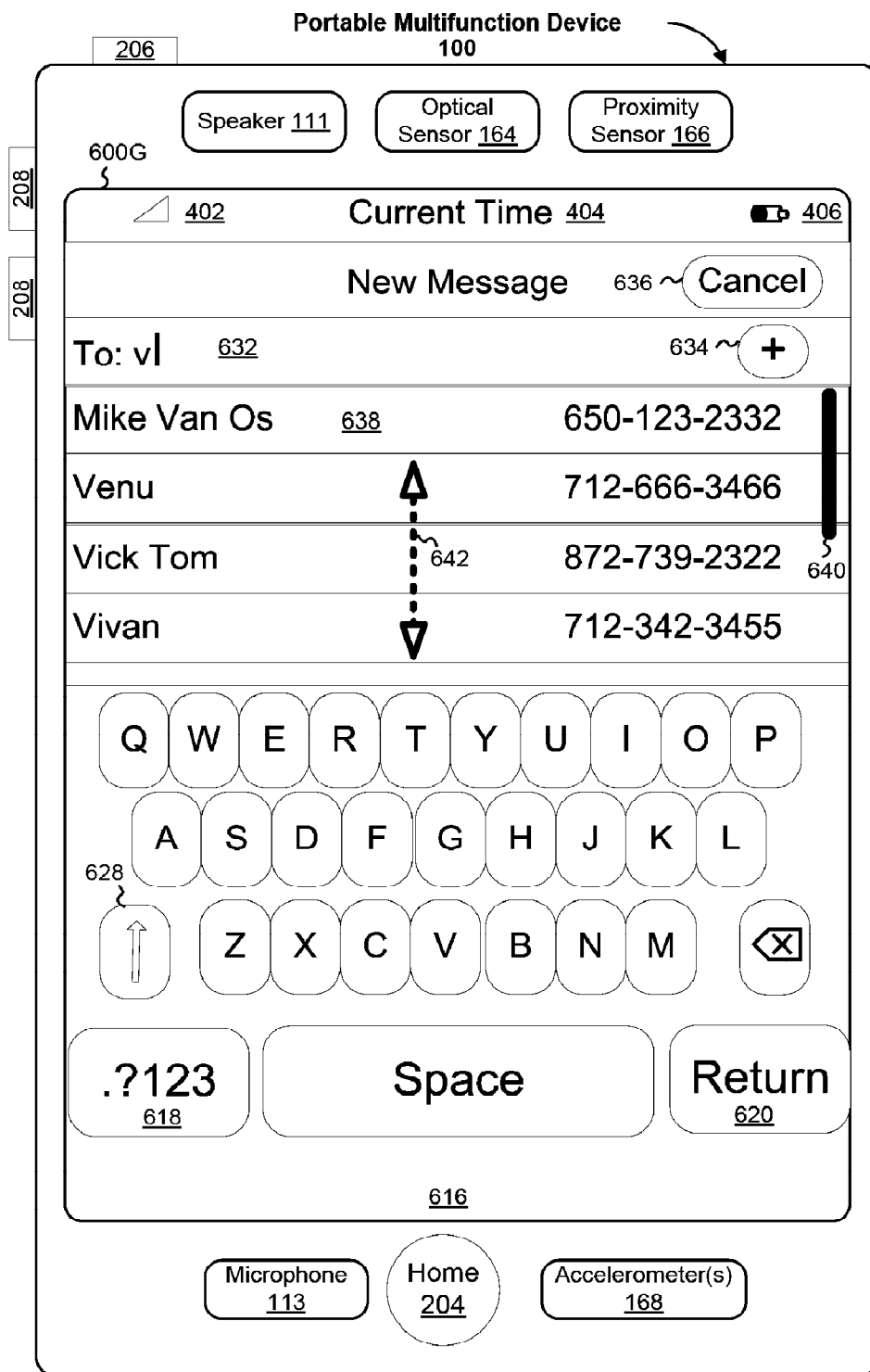


Figure 6G



Figure 6H

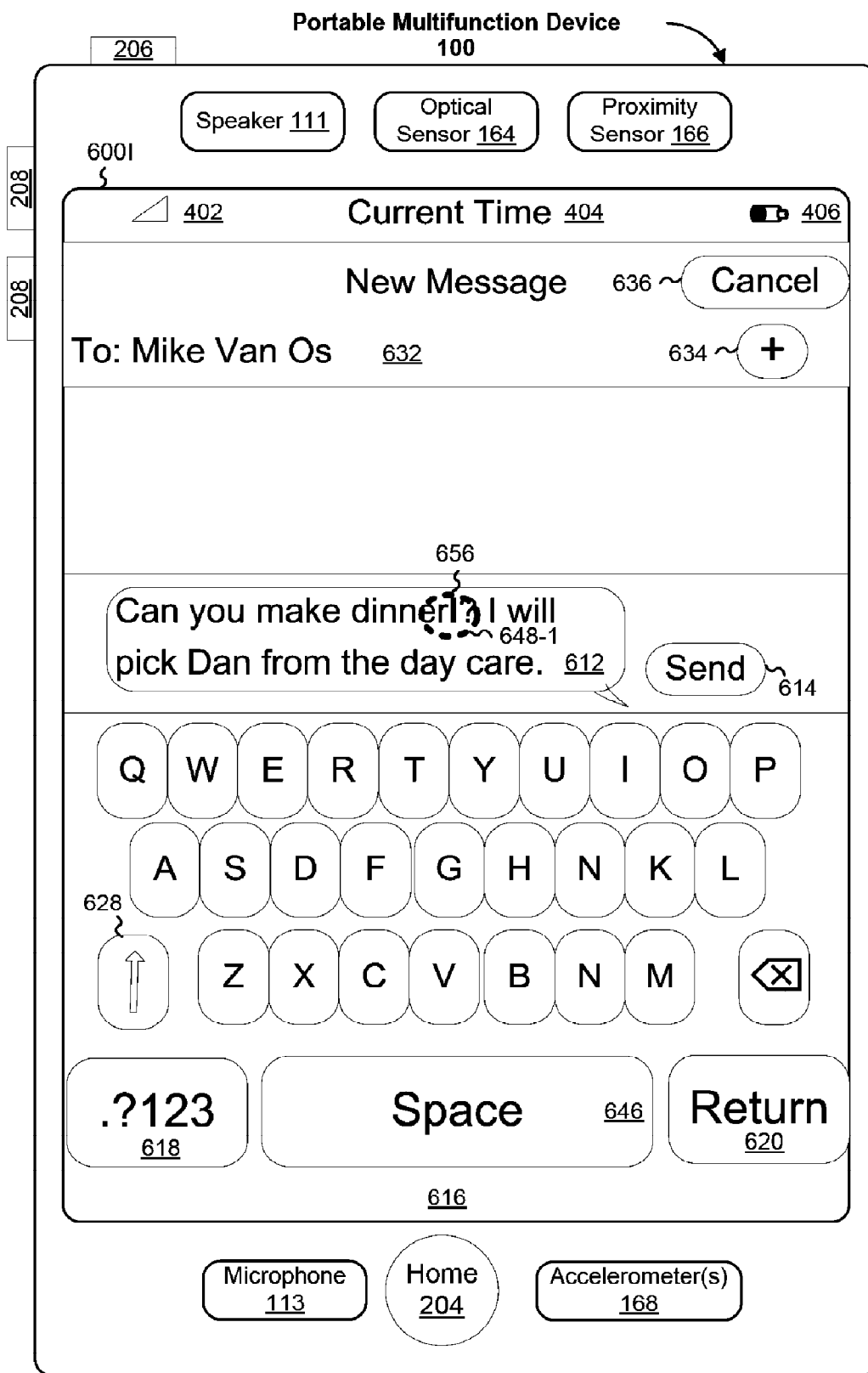


Figure 6I



Figure 6J

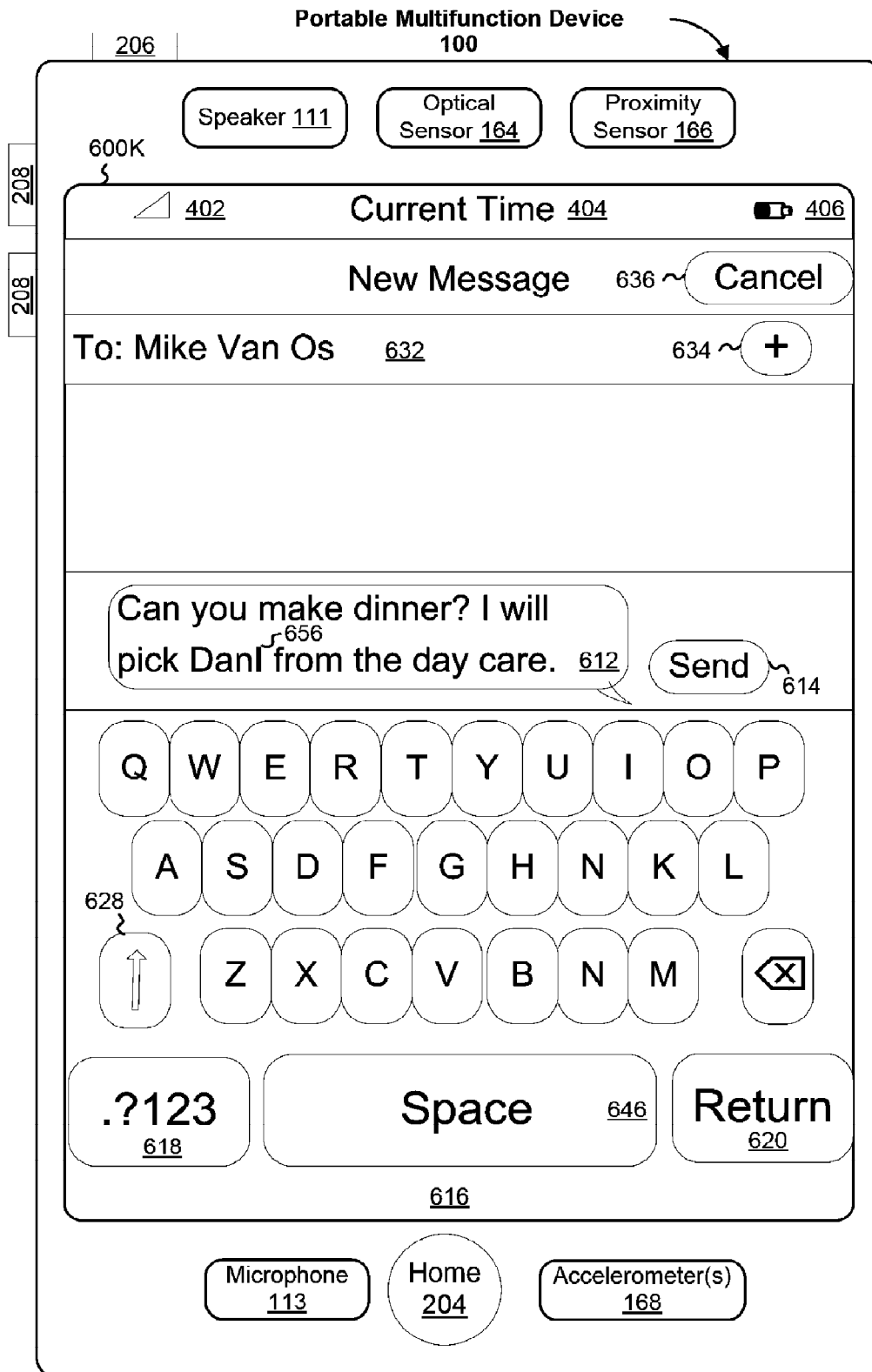


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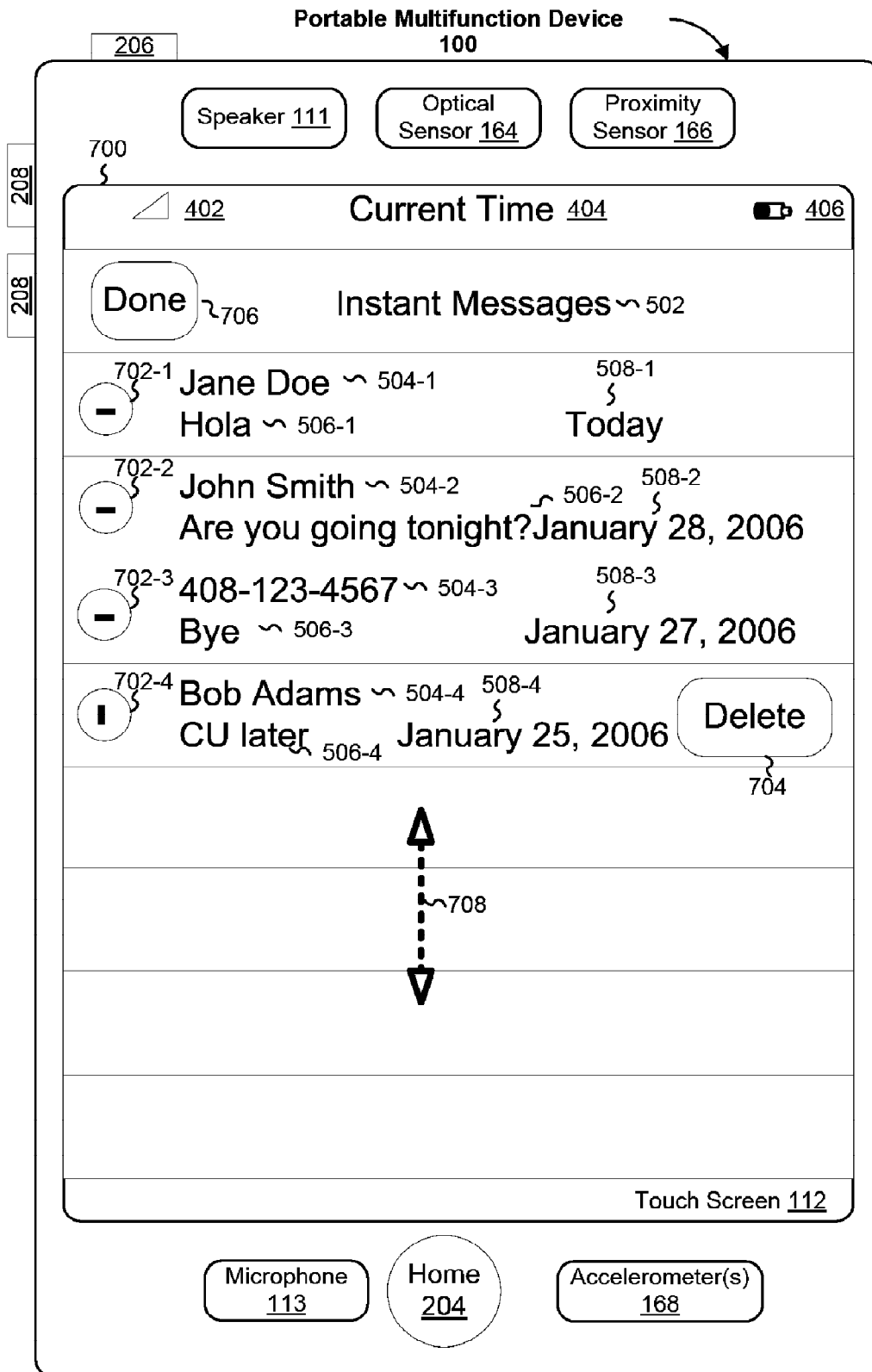


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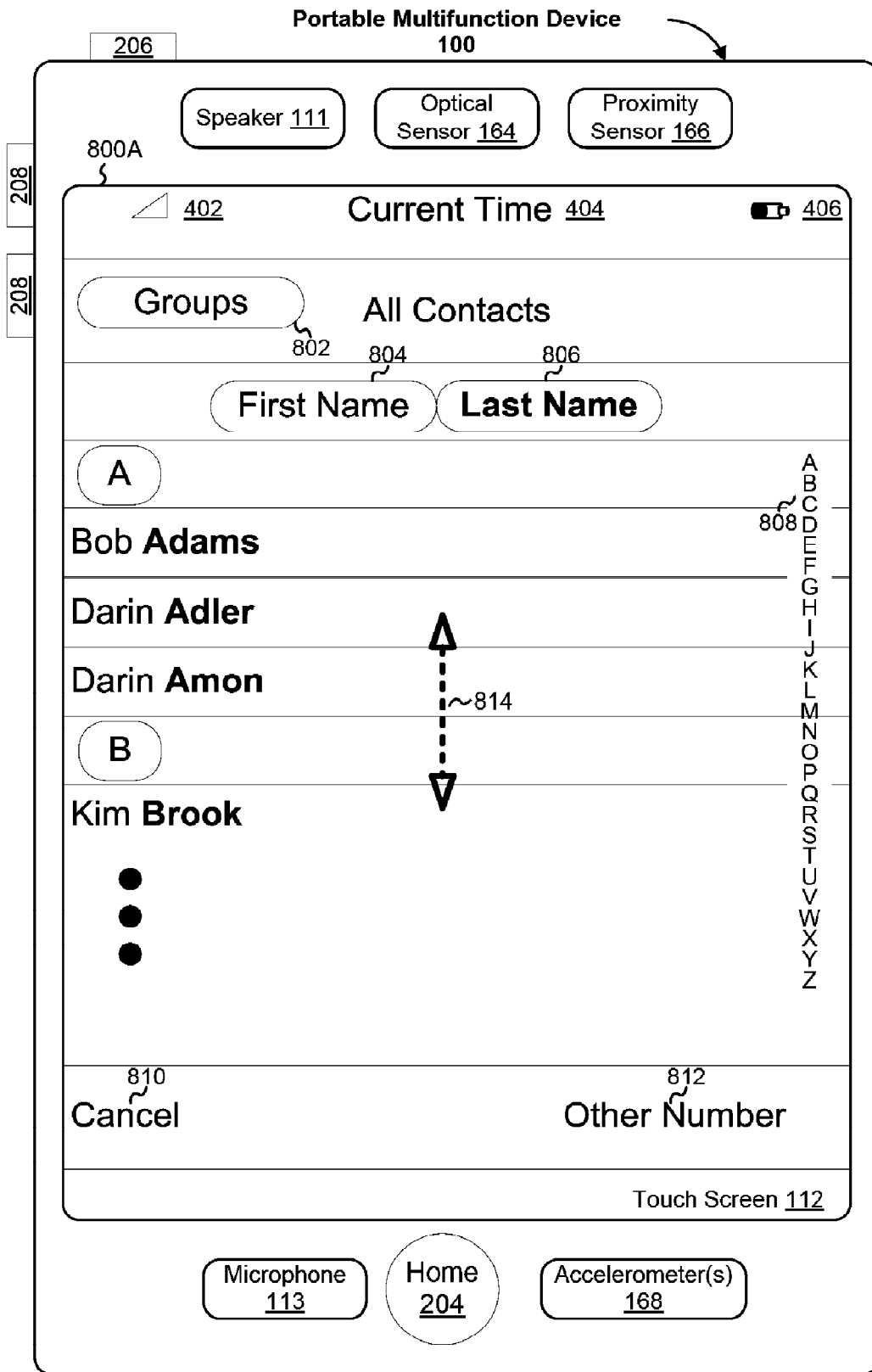


Figure 8A

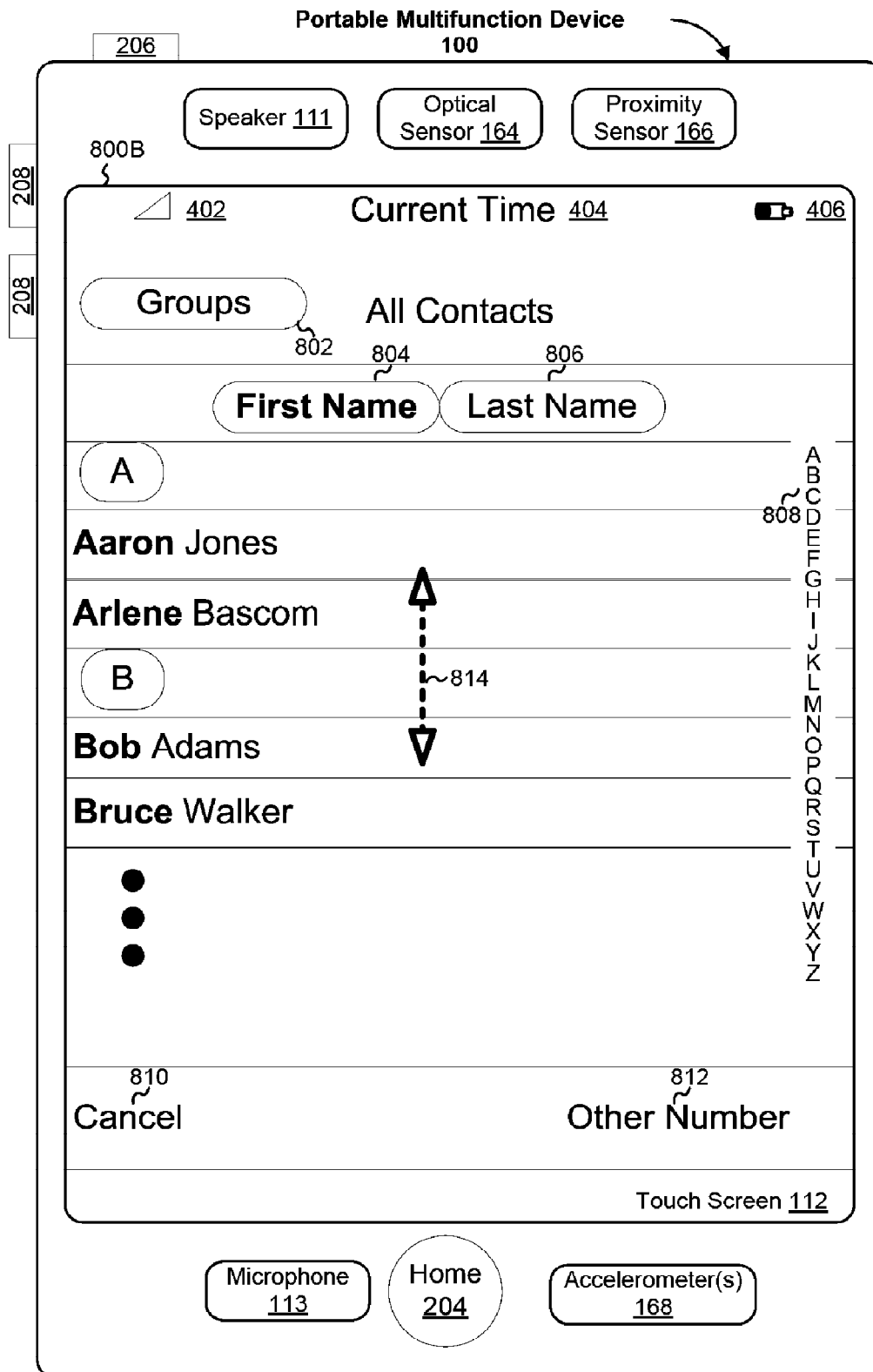


Figure 8B

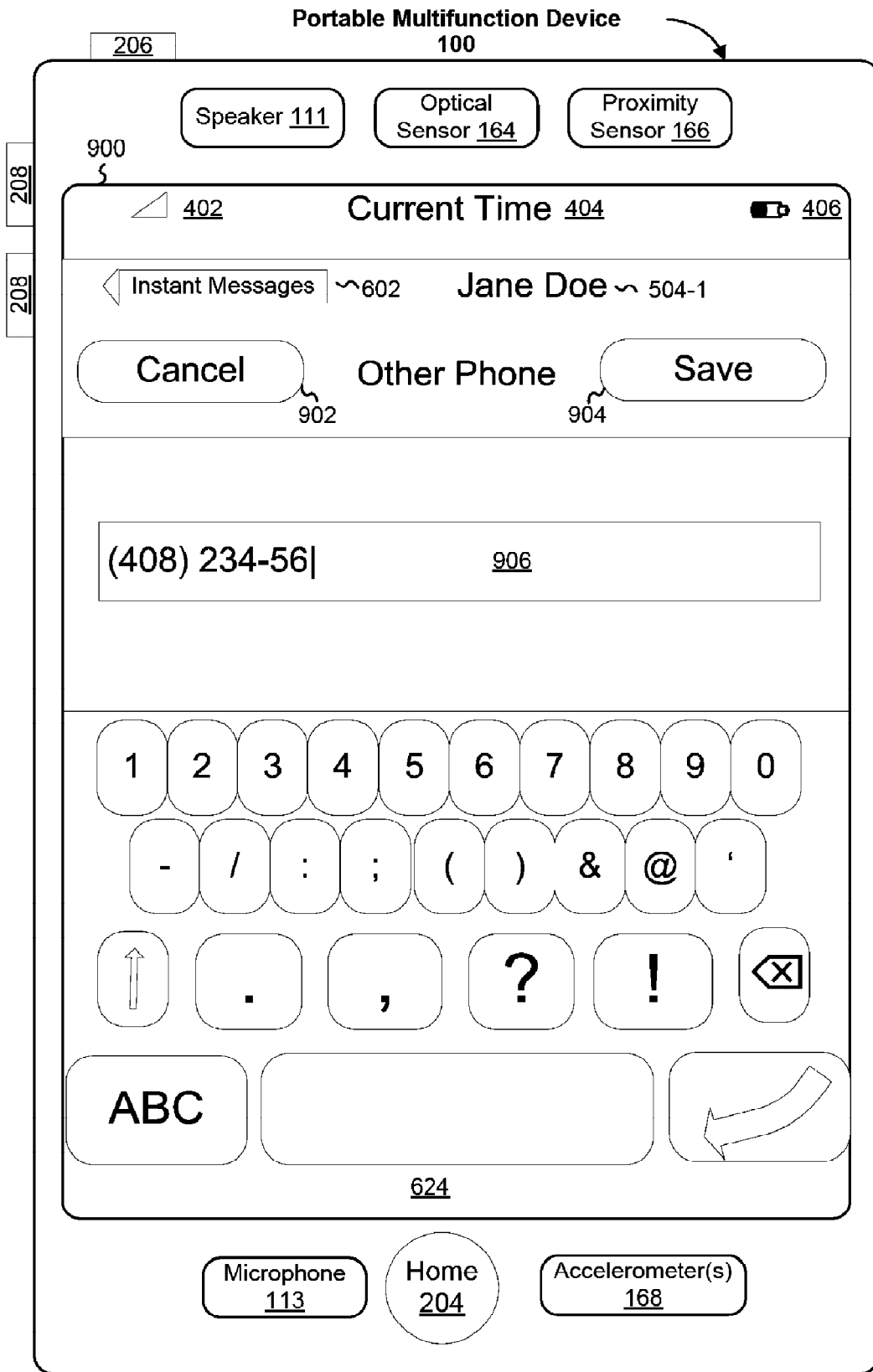


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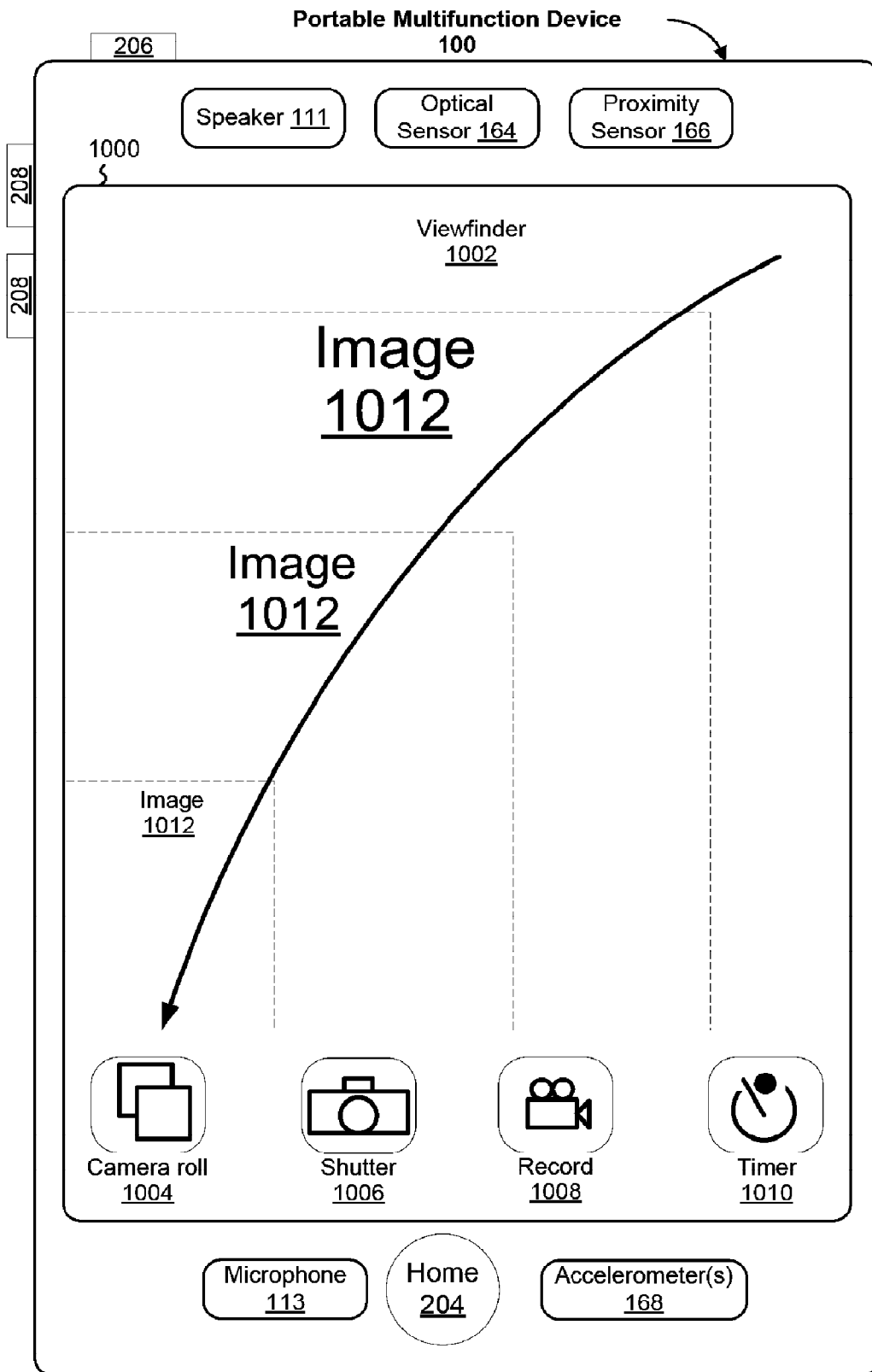


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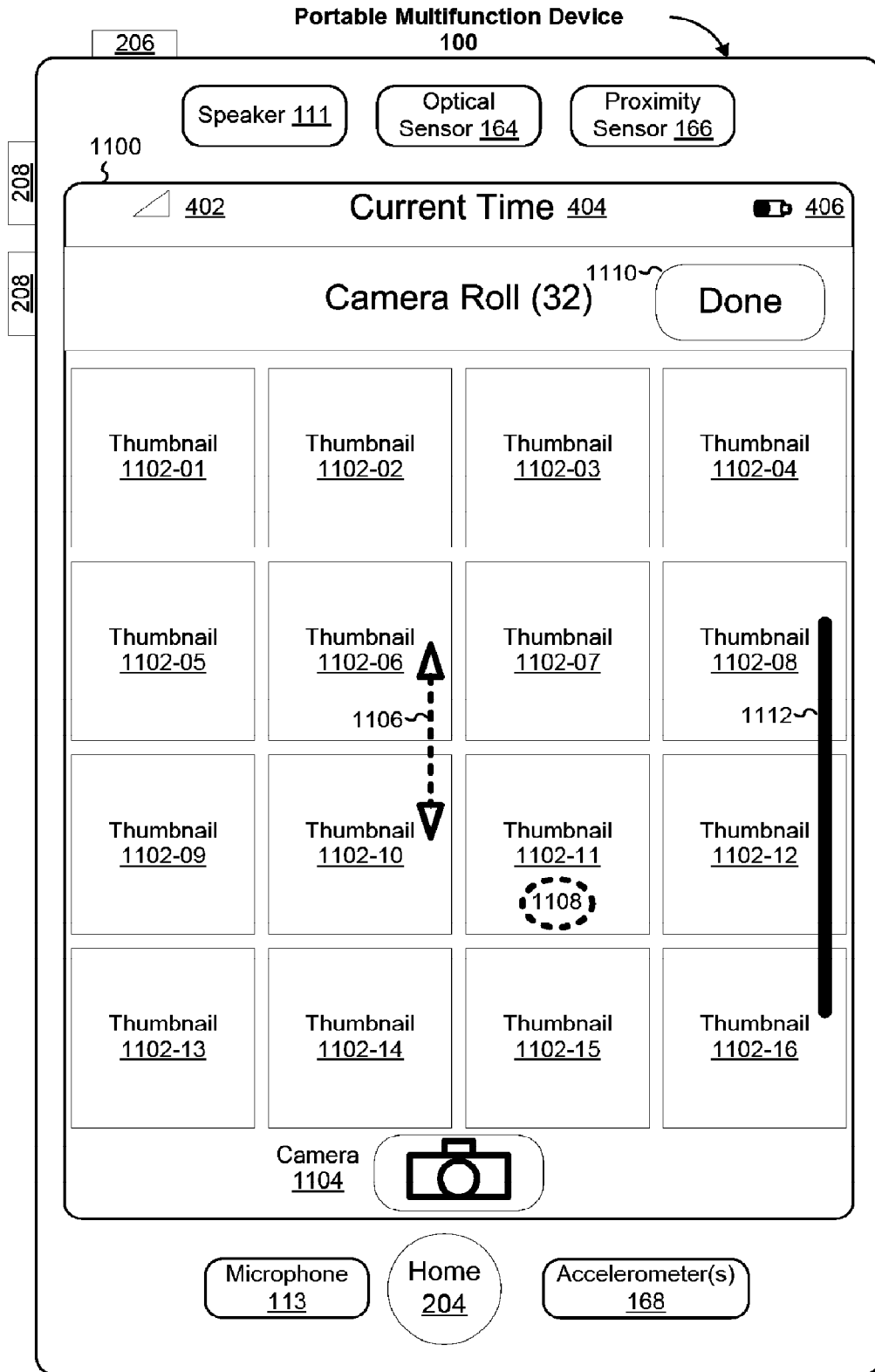


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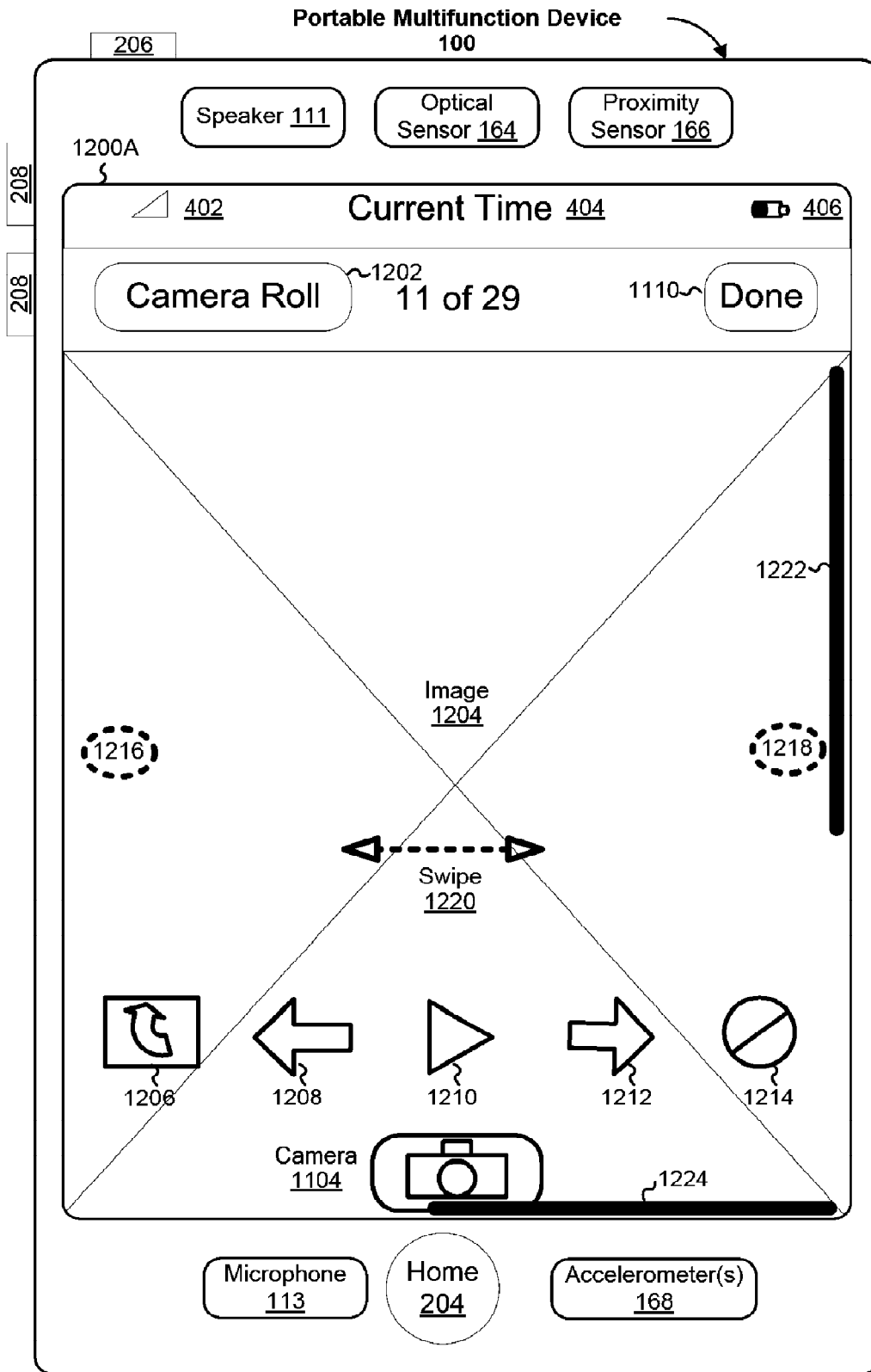


Figure 12A

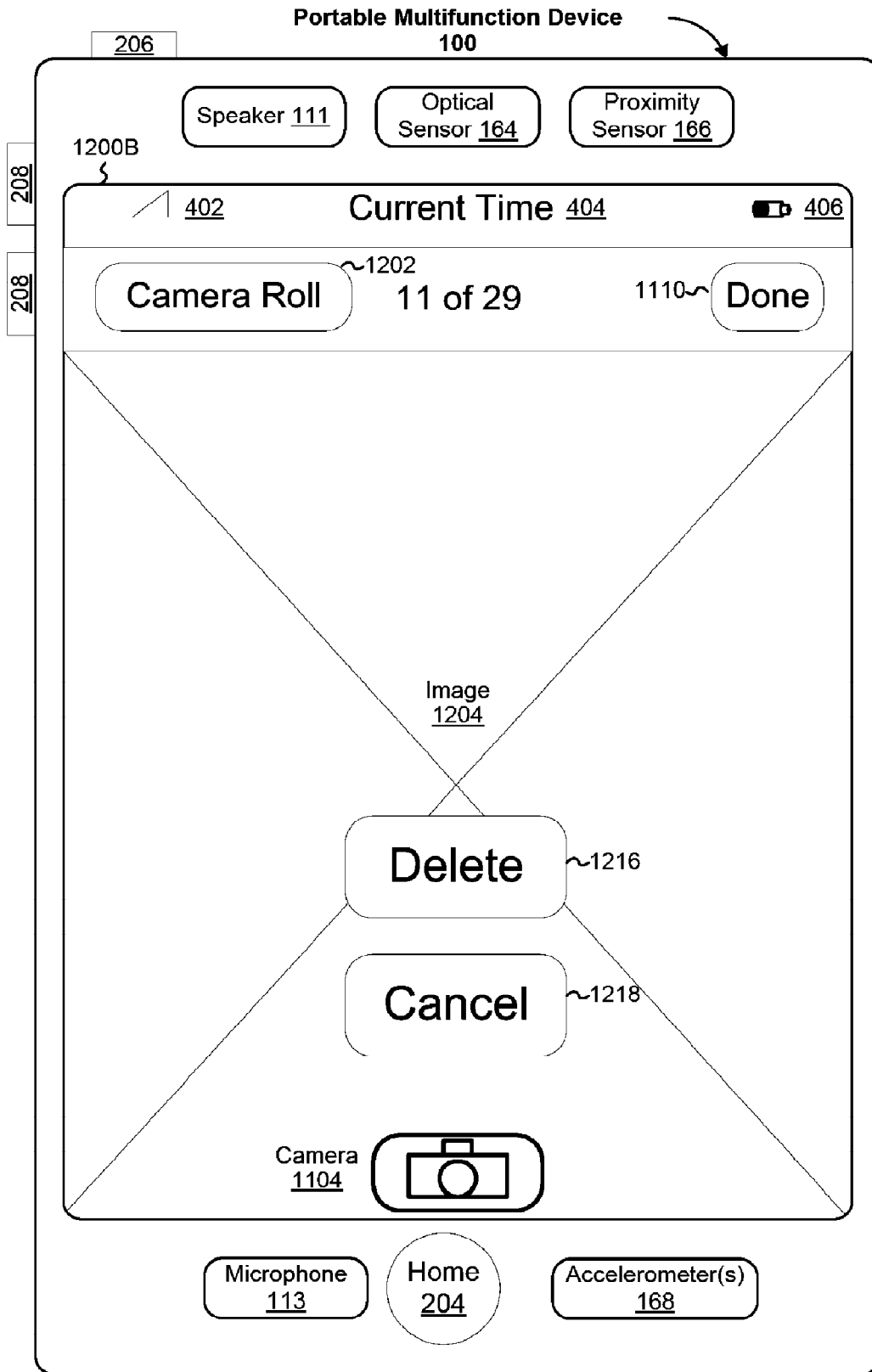


Figure 12B

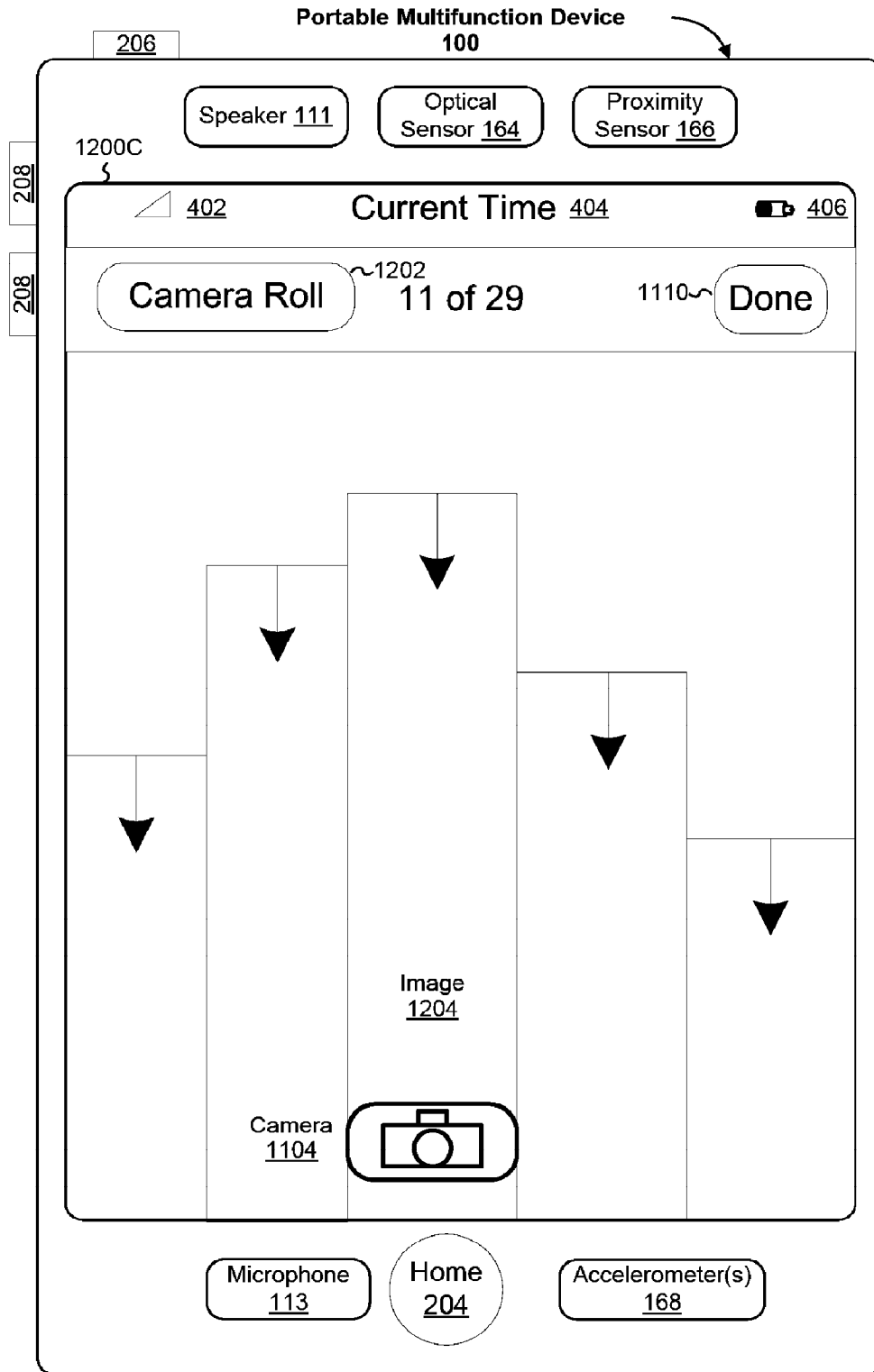


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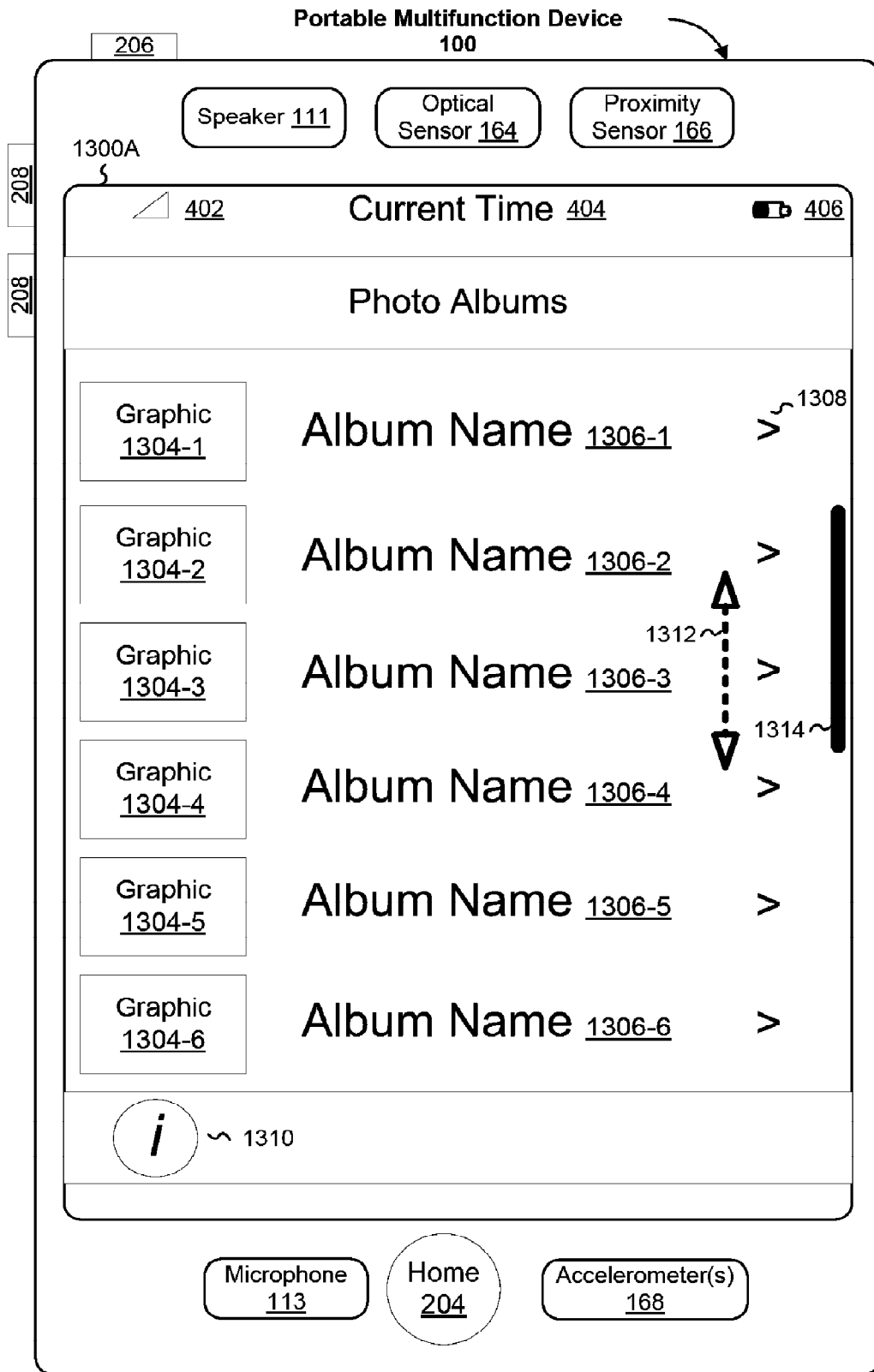


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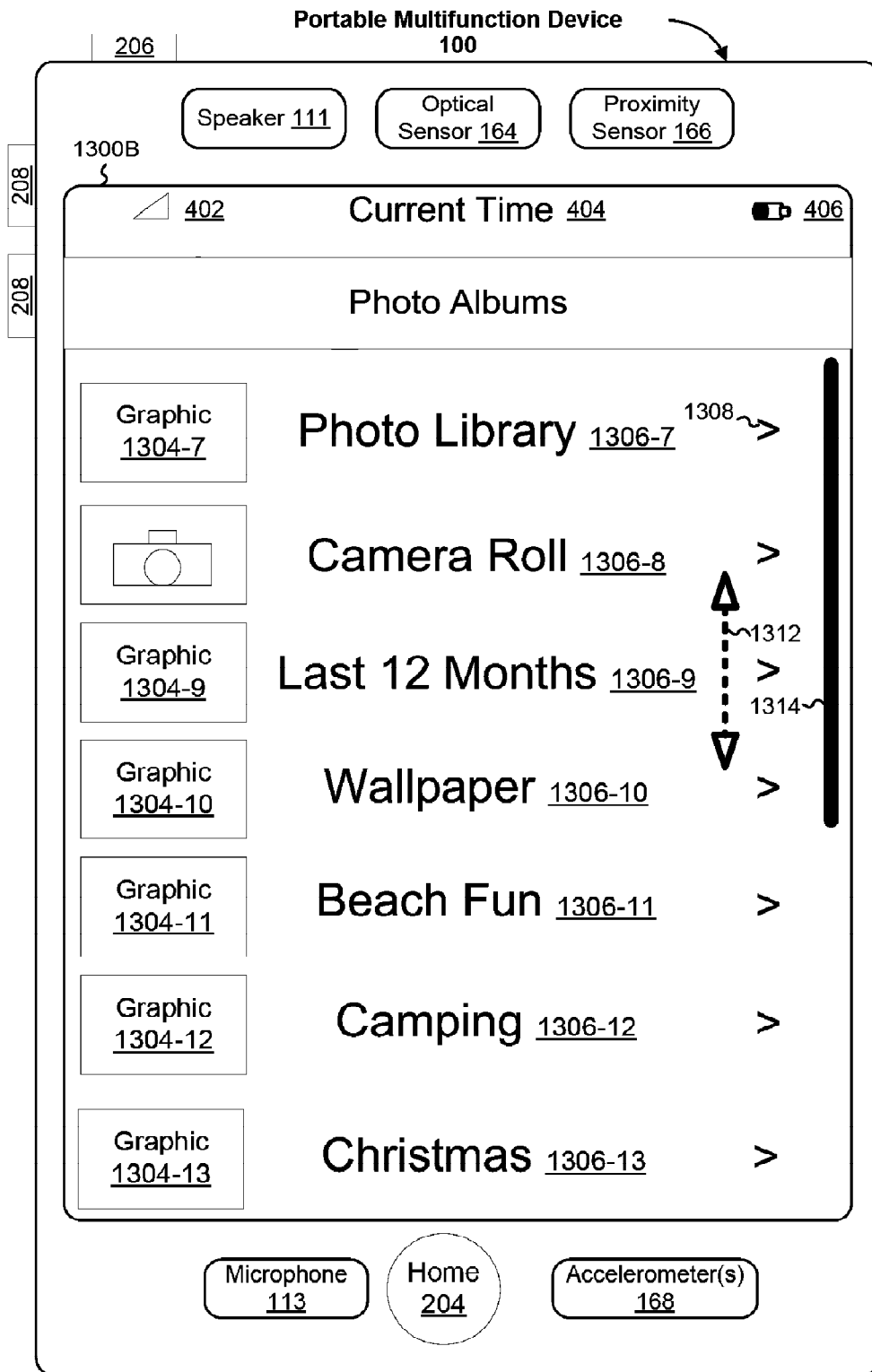


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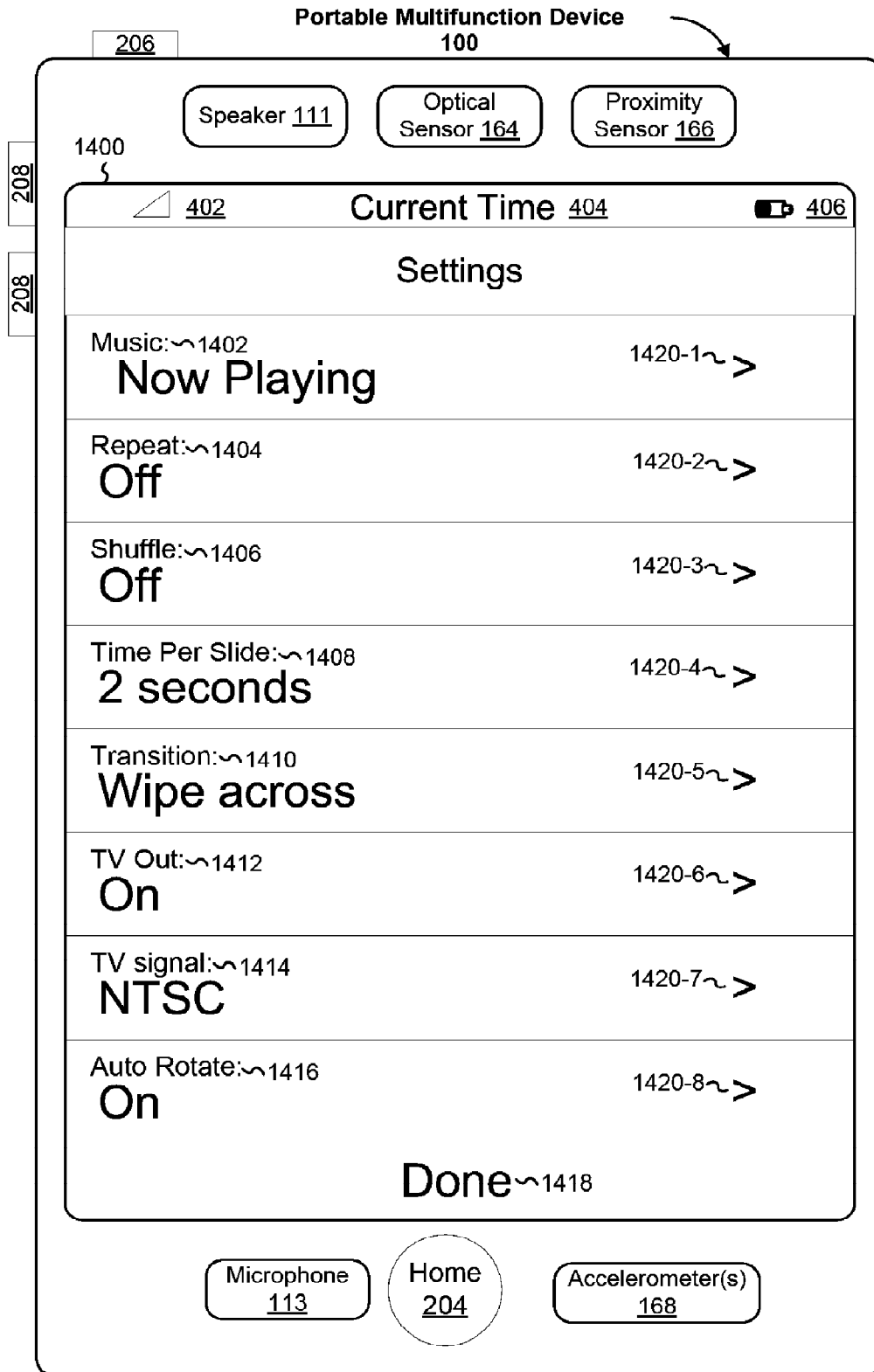


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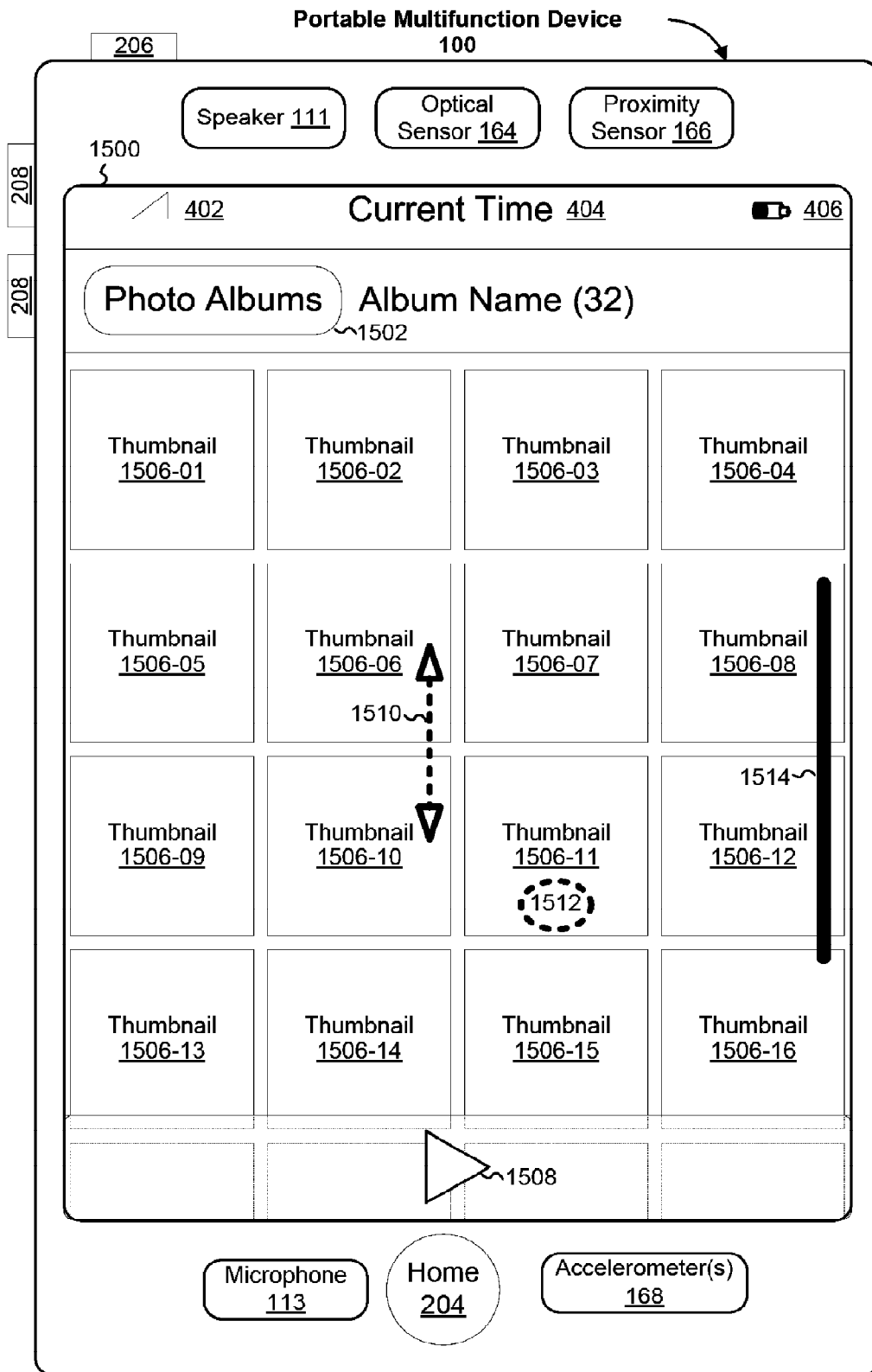


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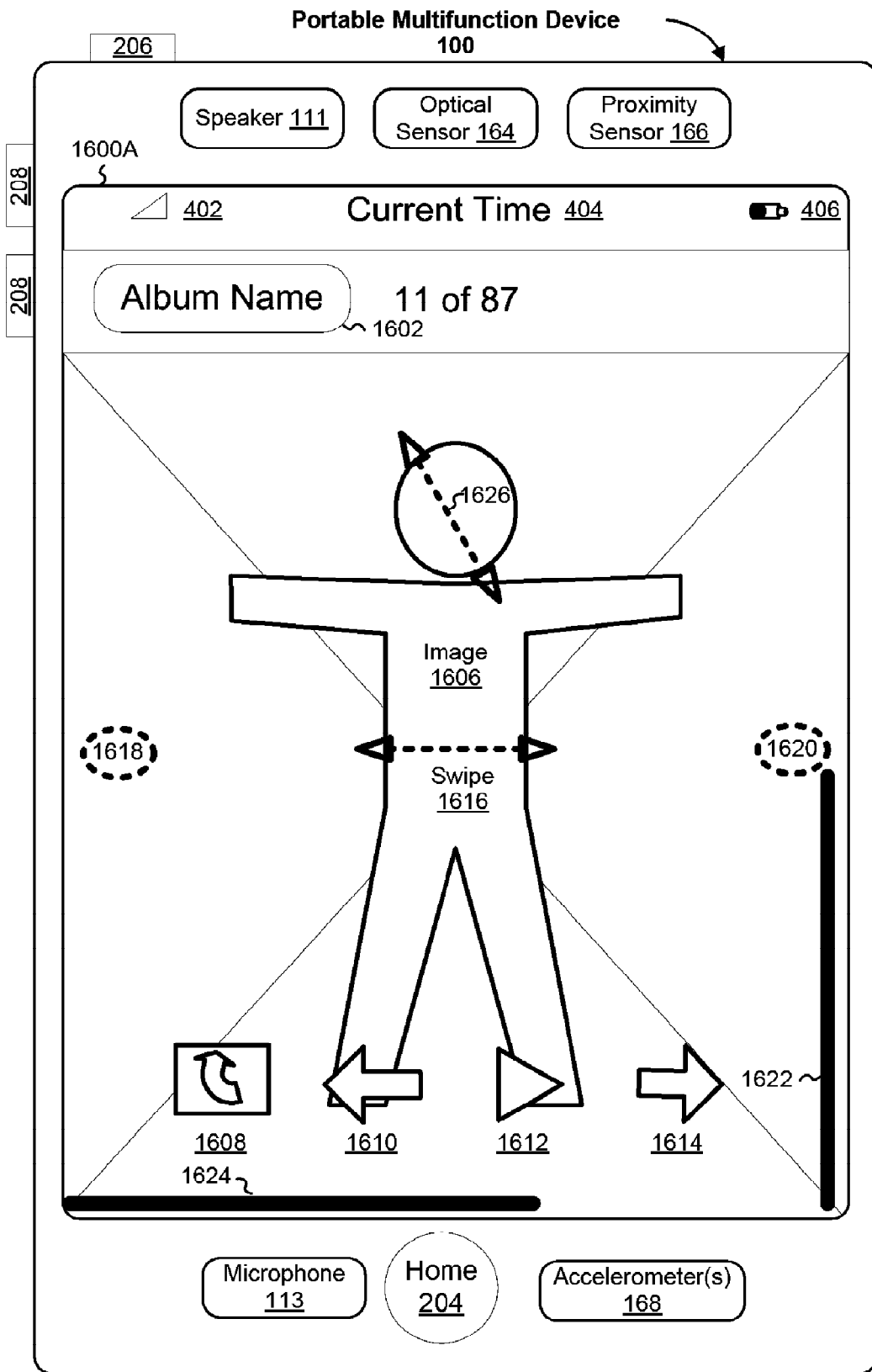


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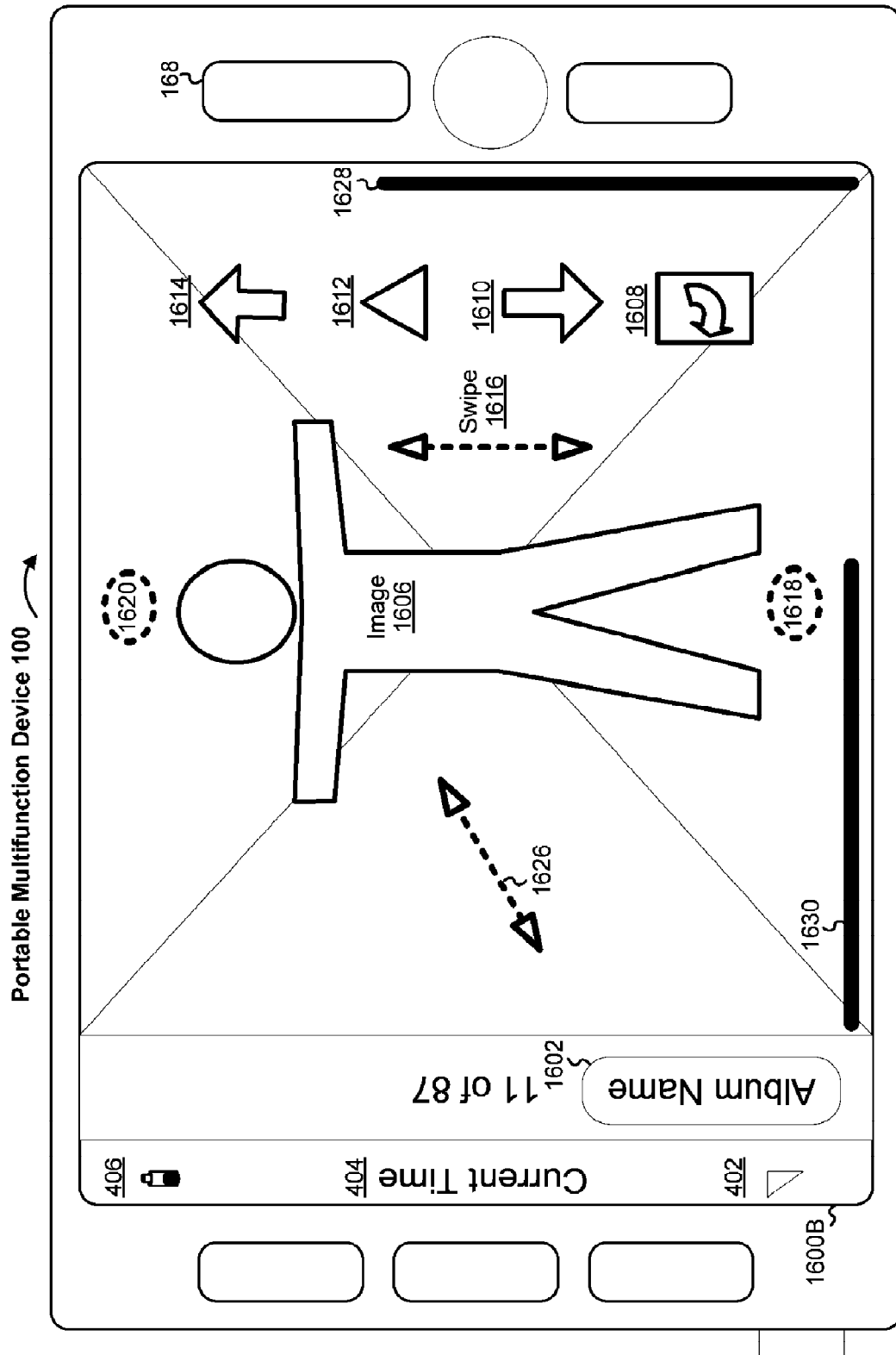


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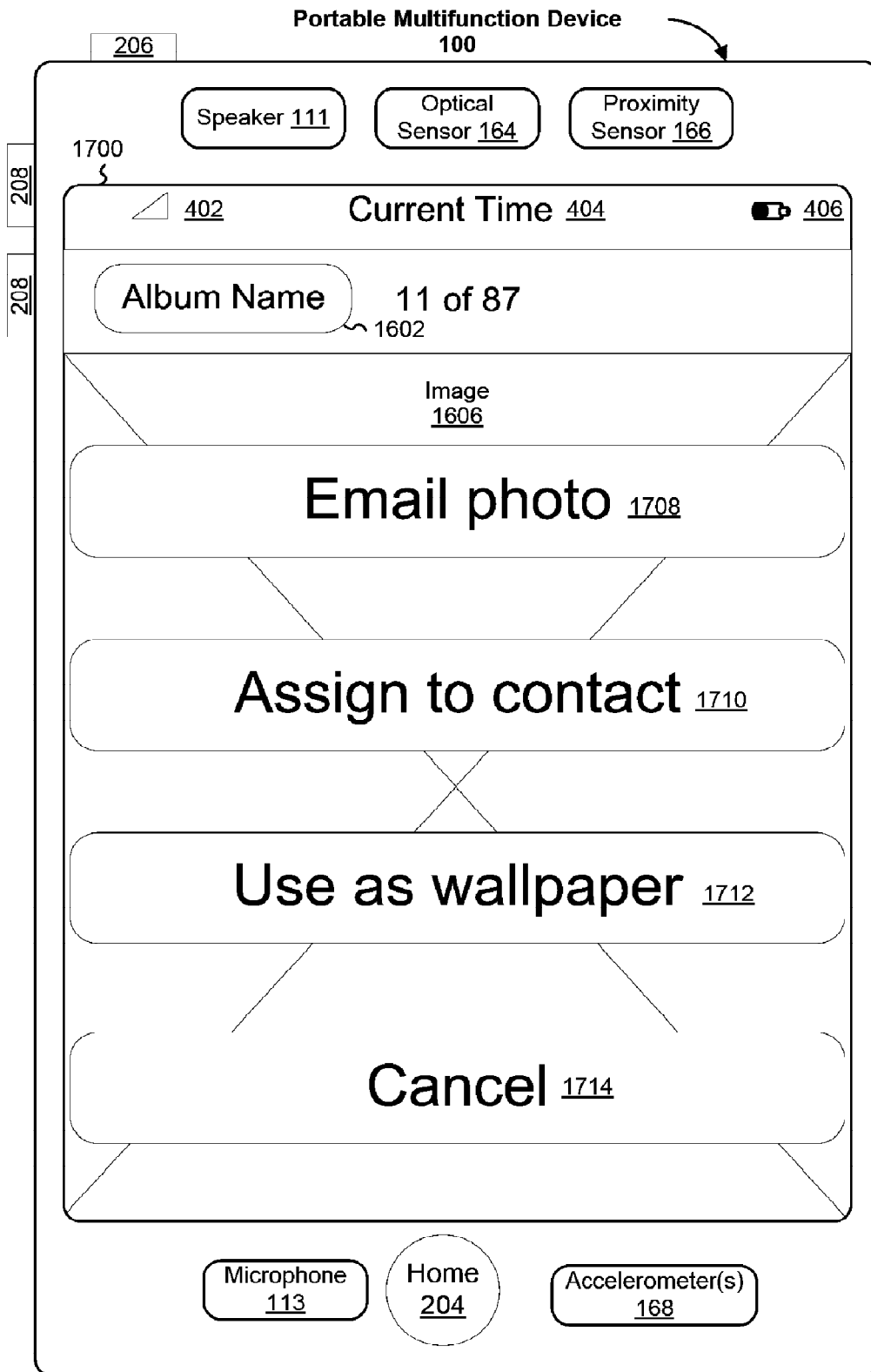


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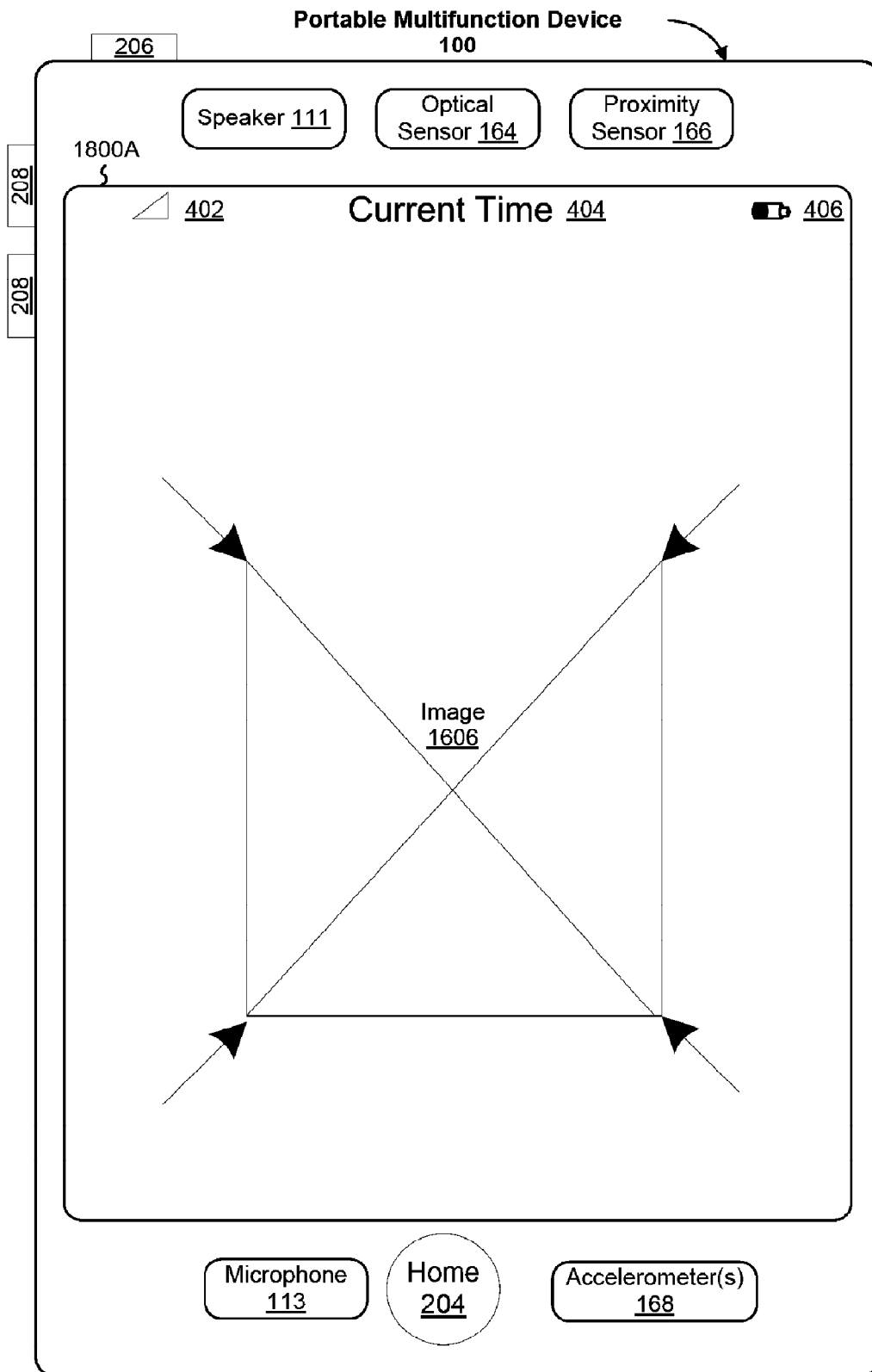


Figure 18A

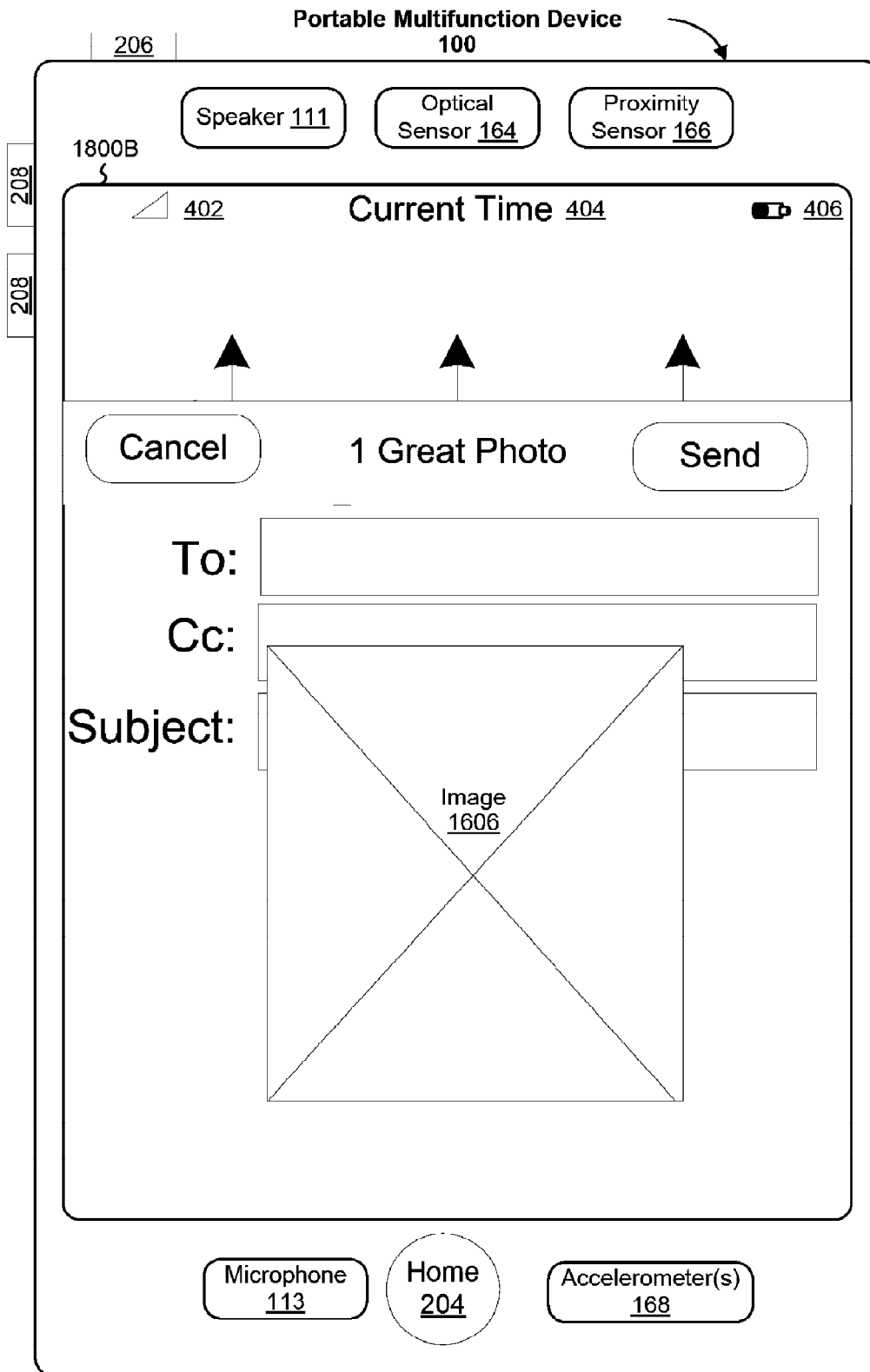


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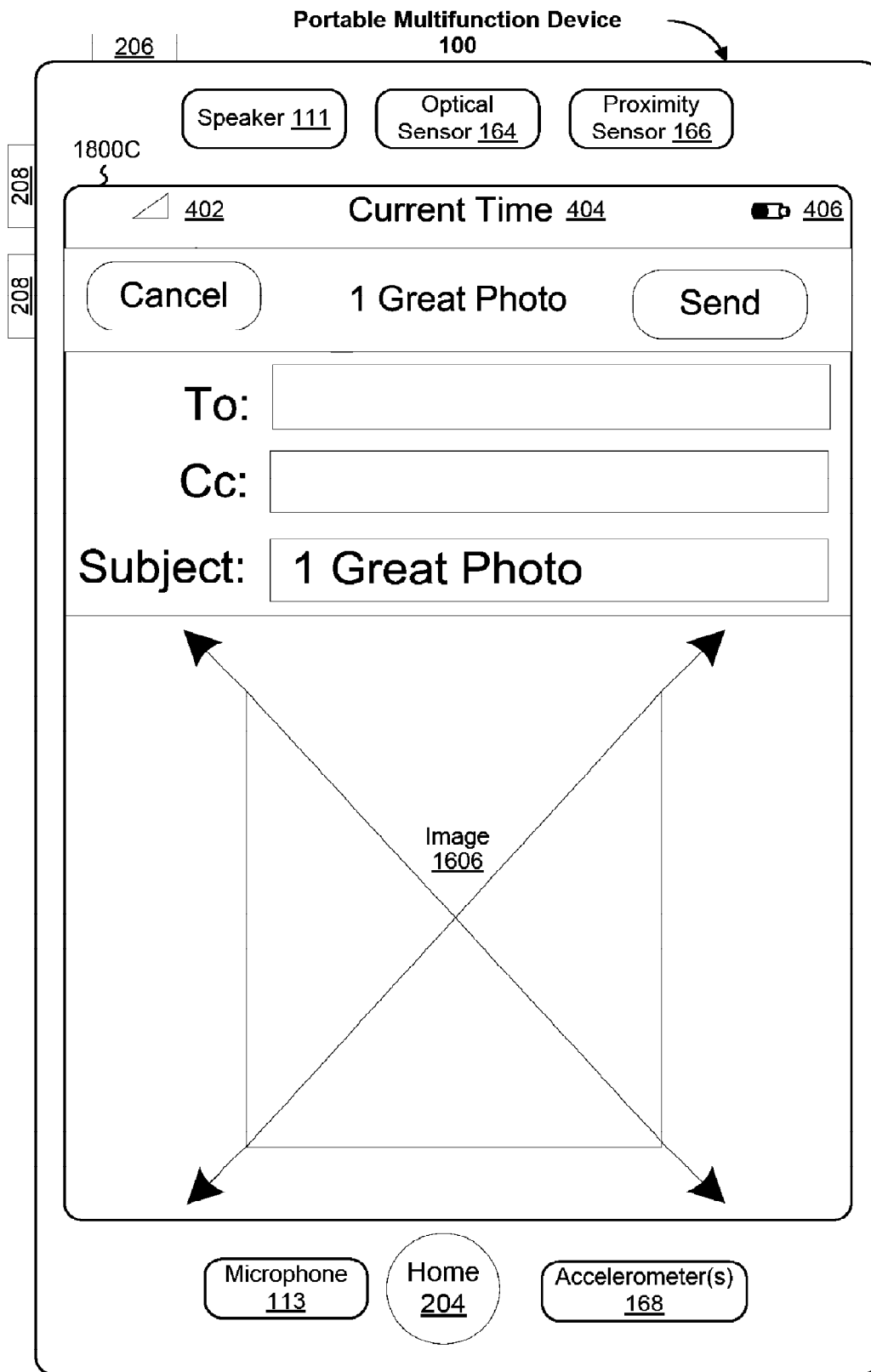


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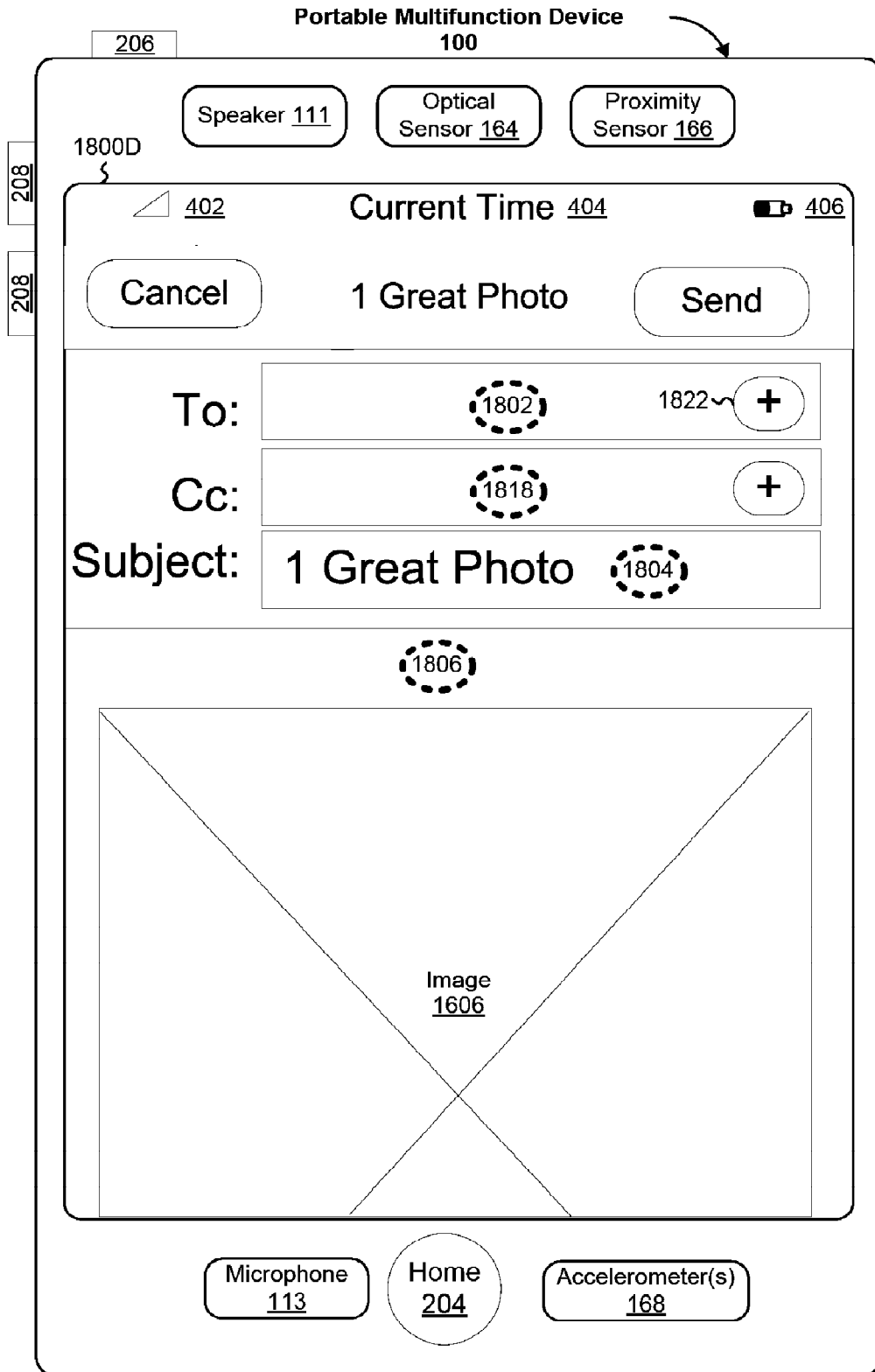


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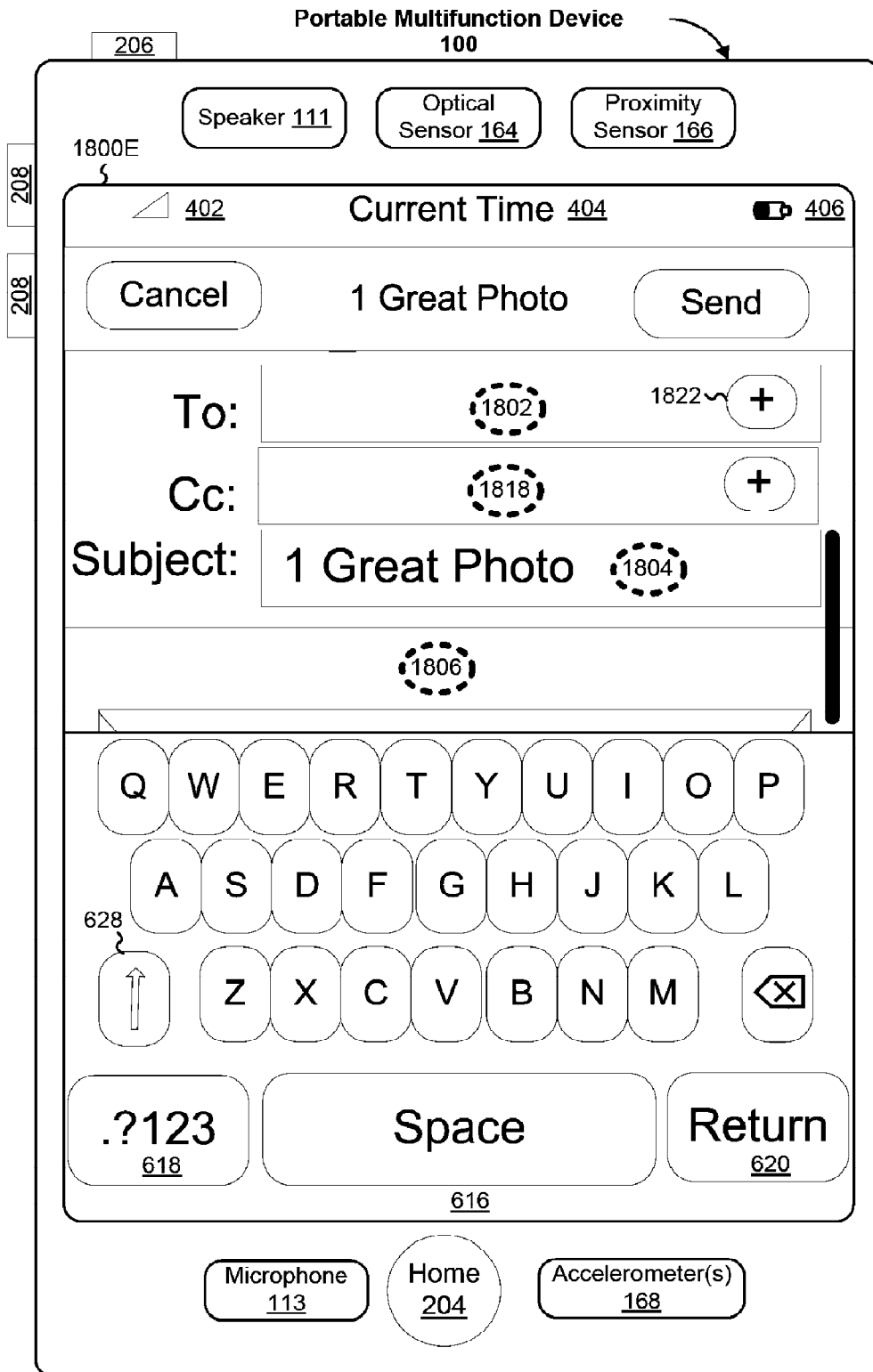


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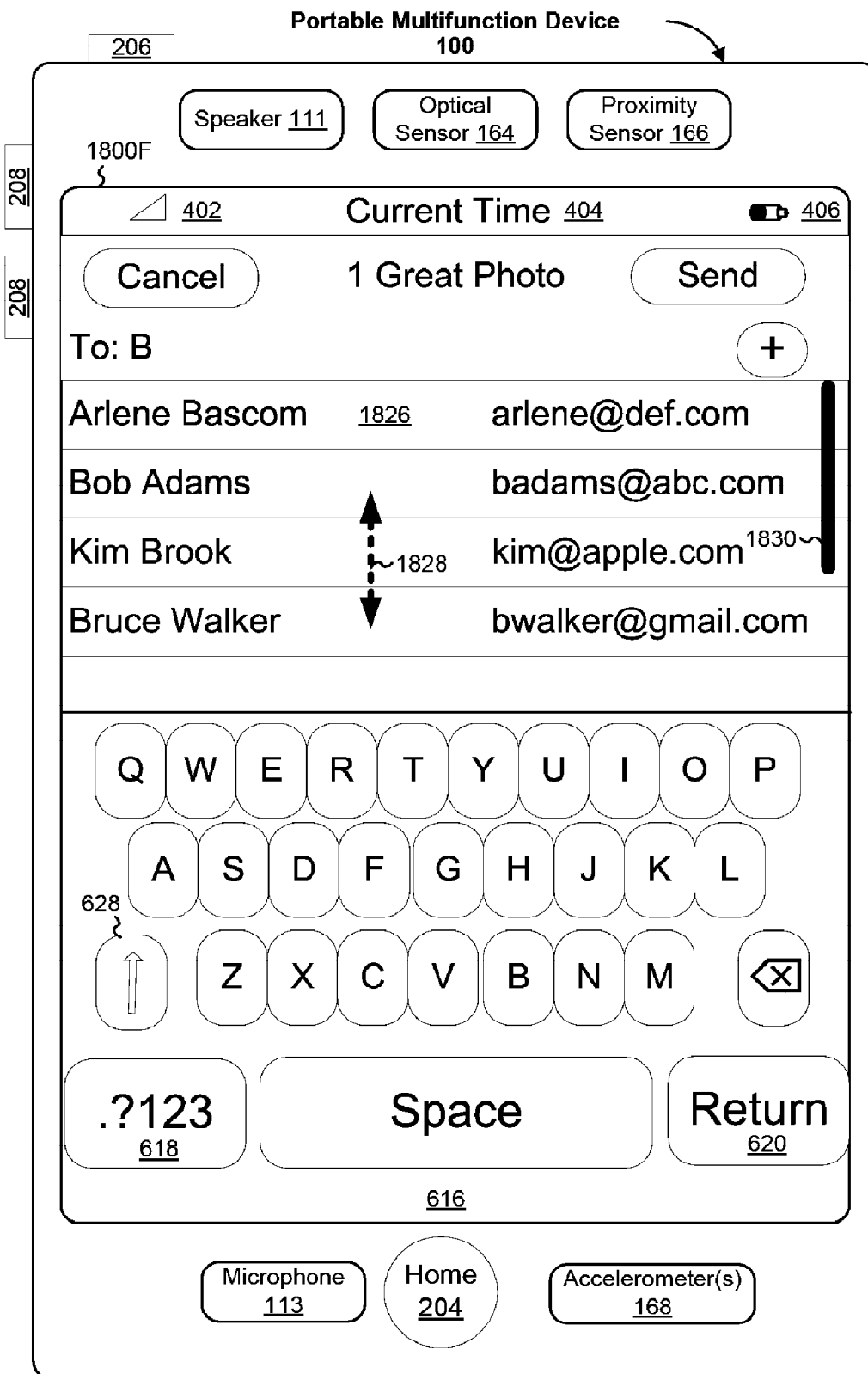


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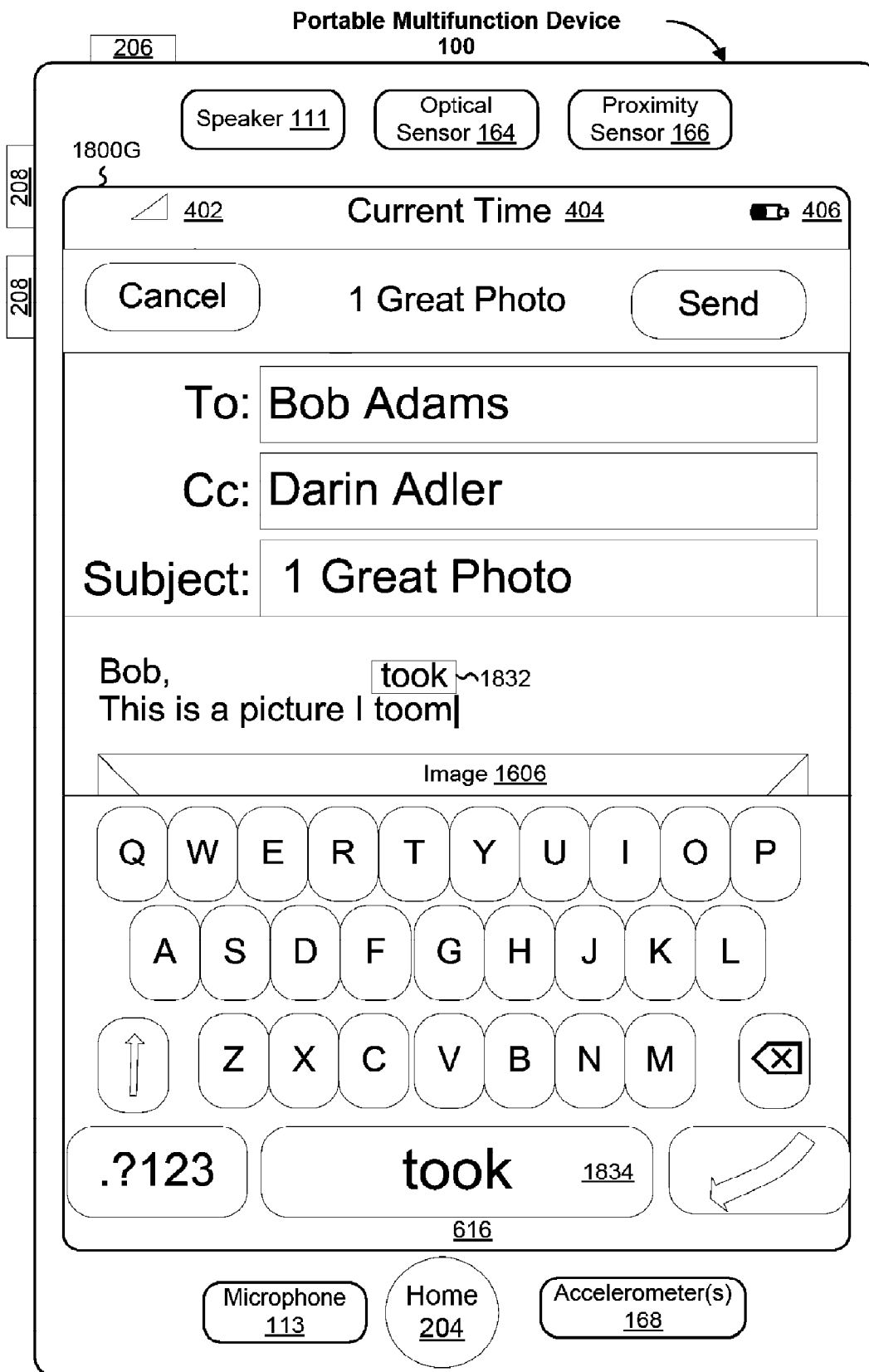


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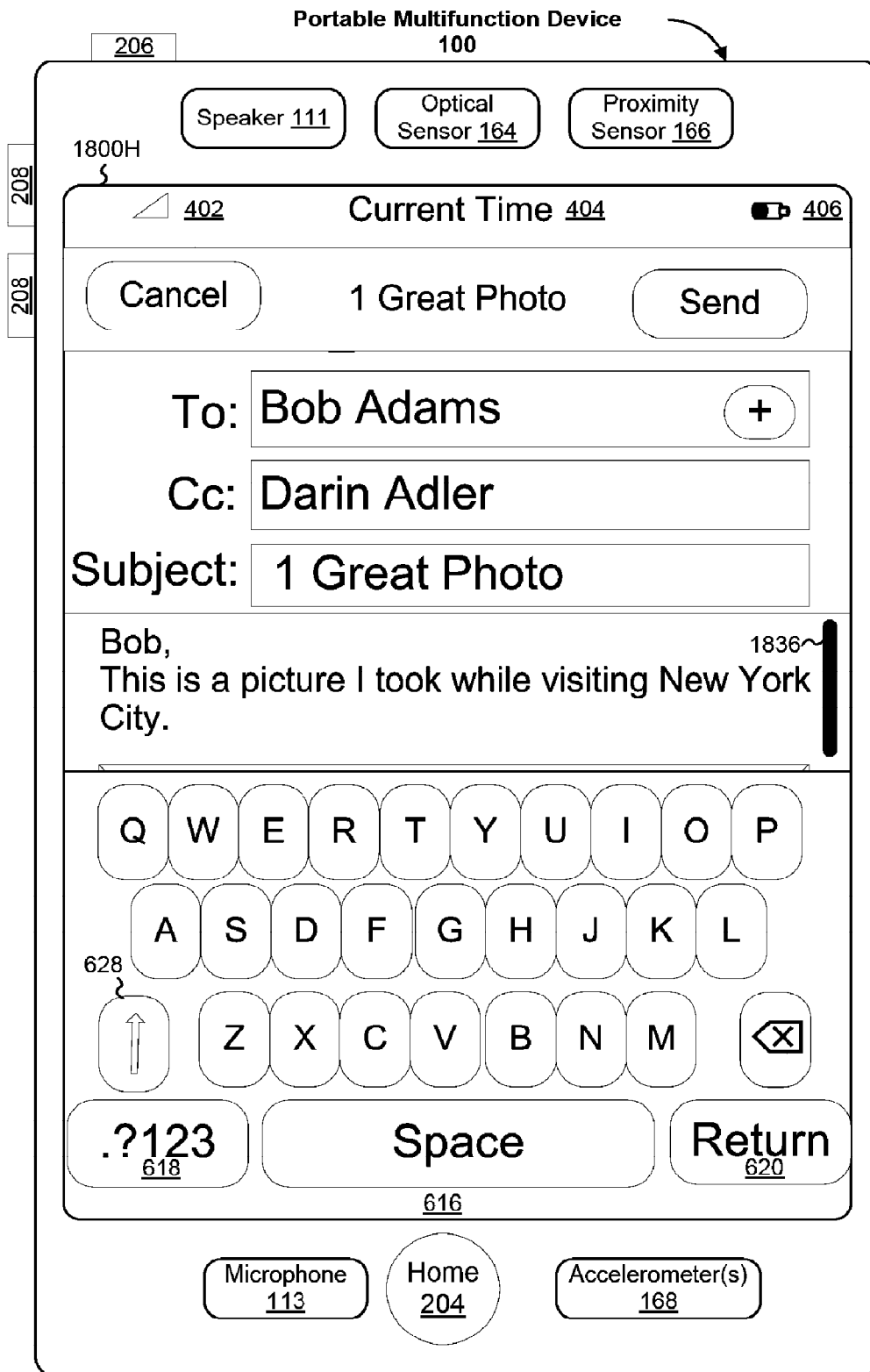


Figure 18H

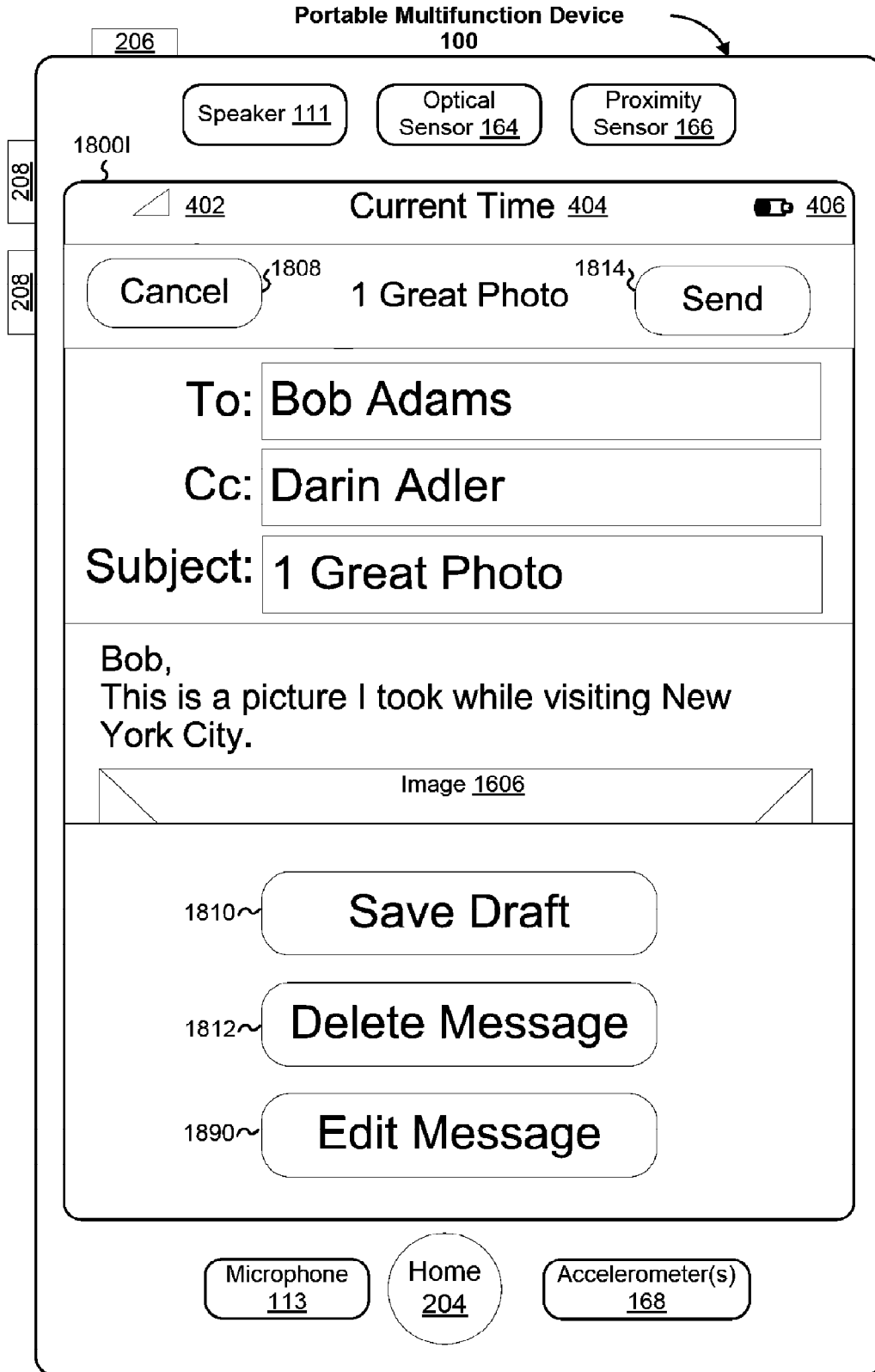


Figure 18I

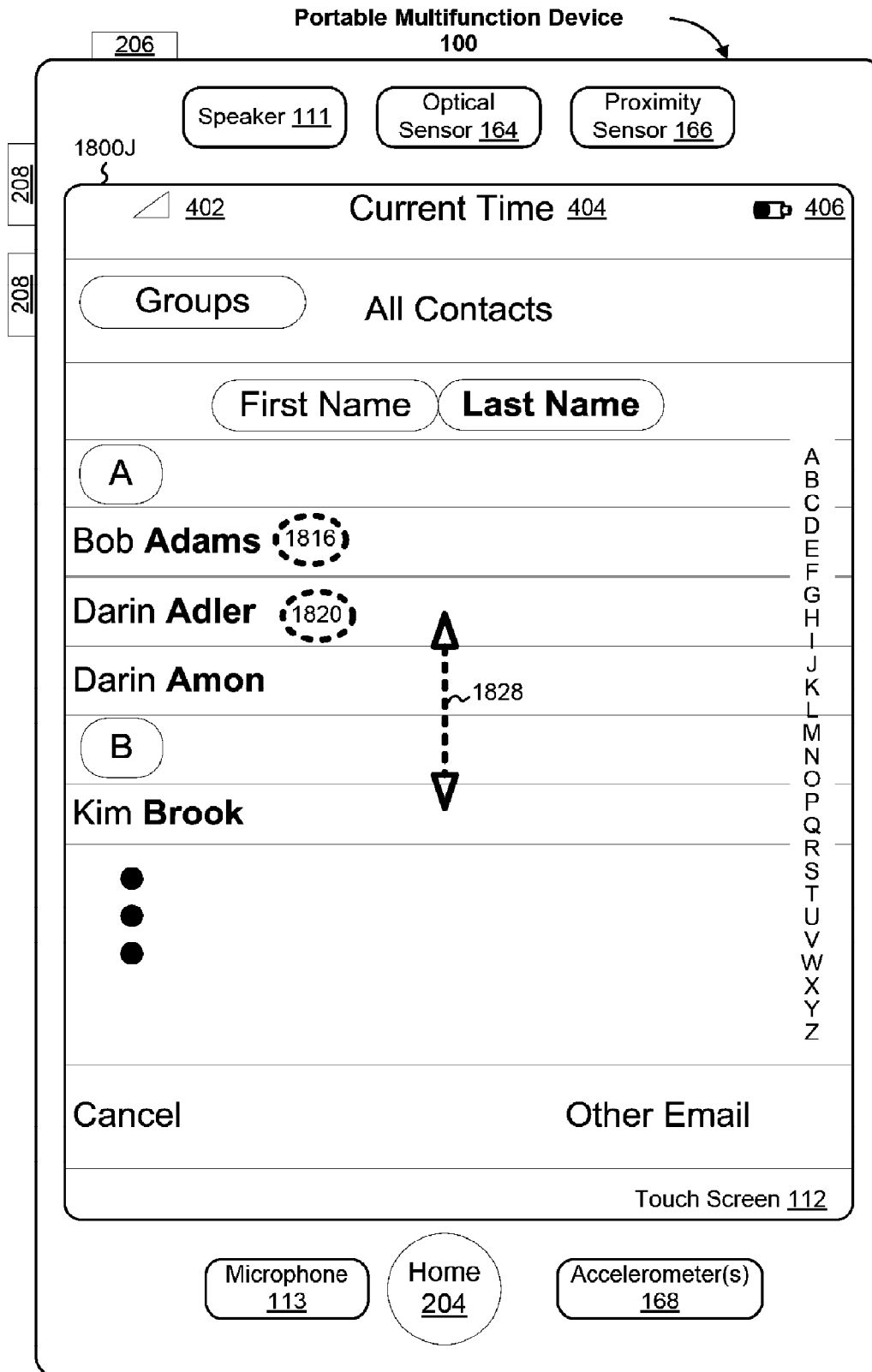


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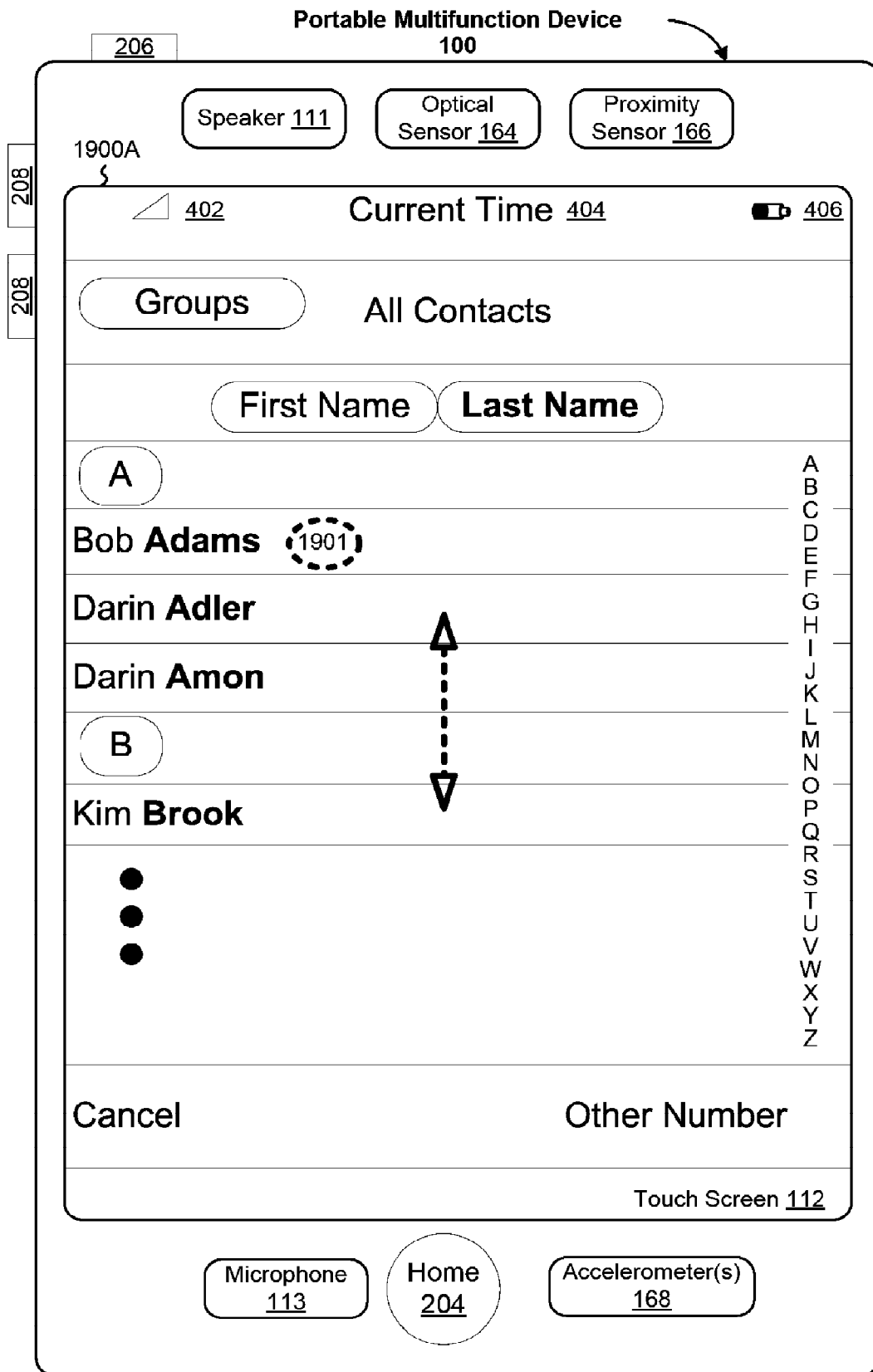


Figure 19A

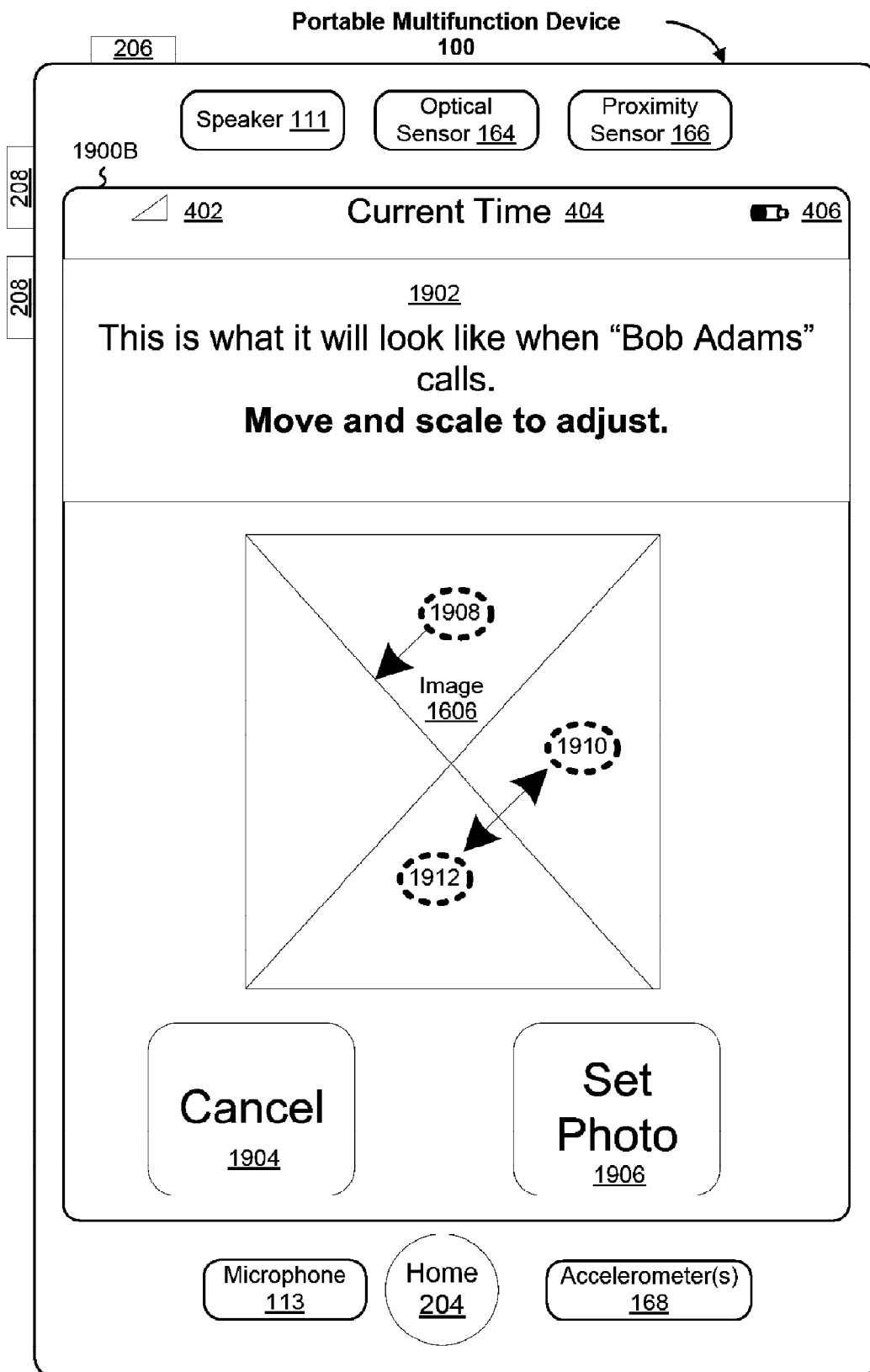


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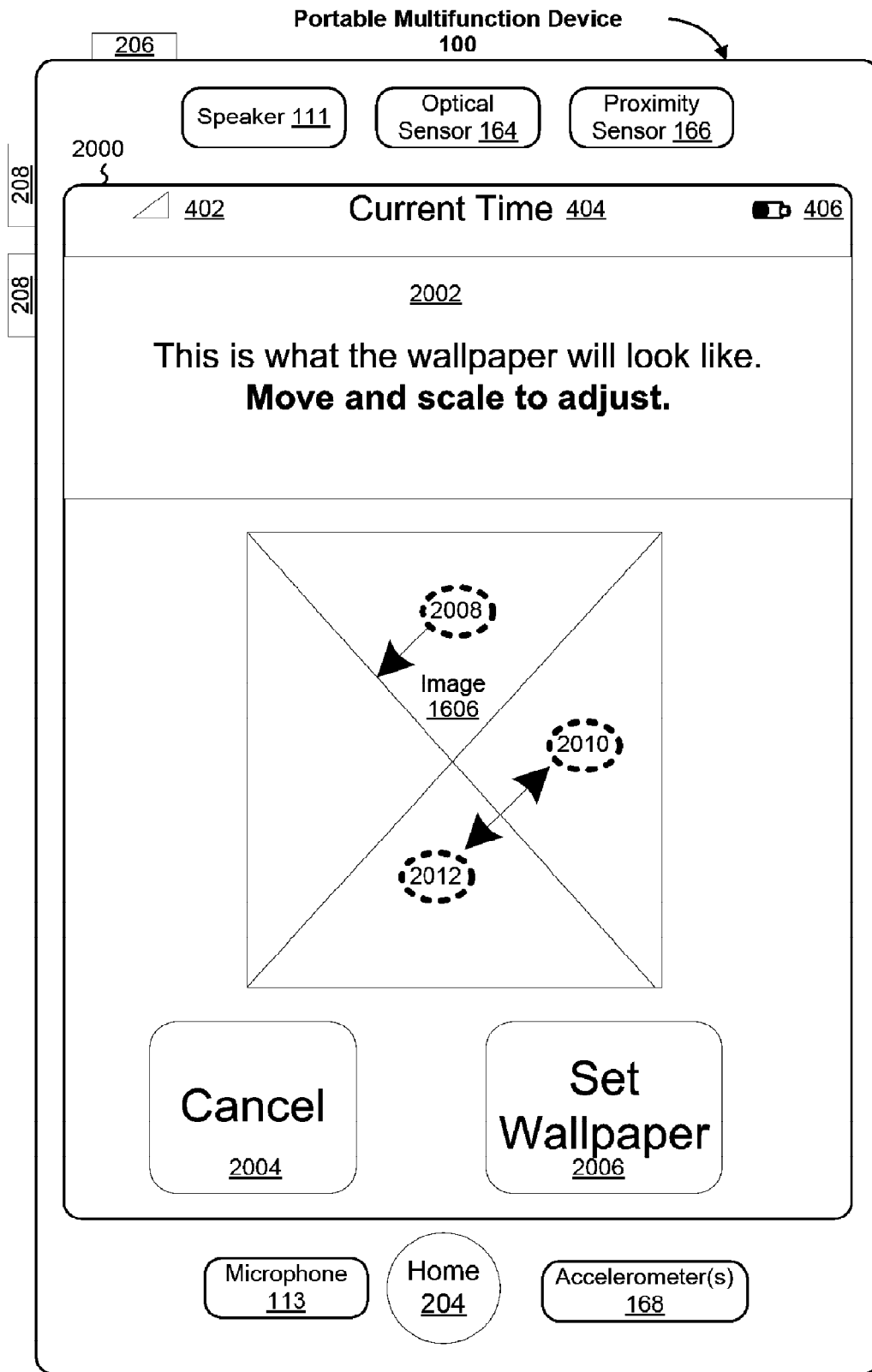


Figure 20

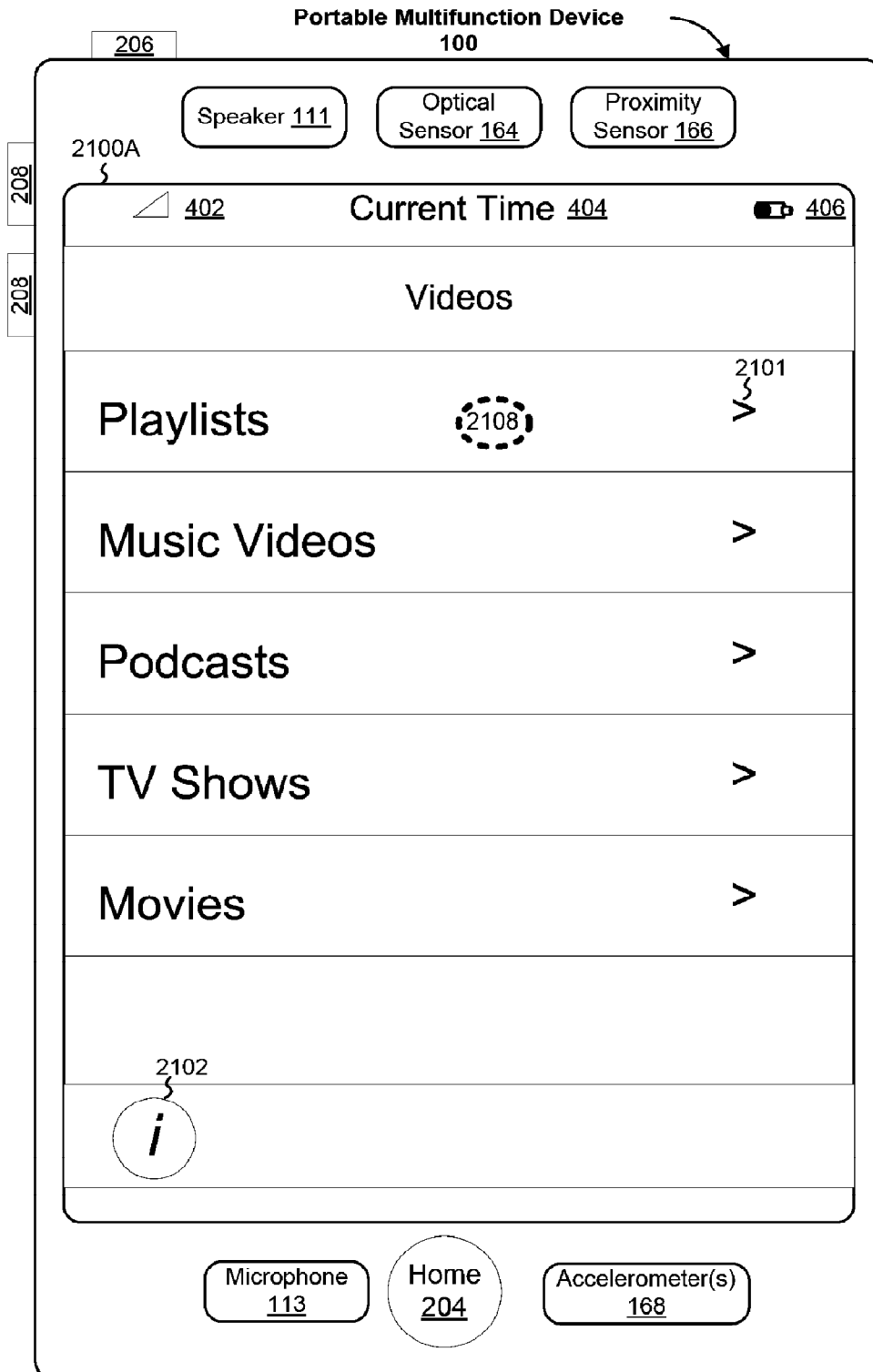


Figure 21A

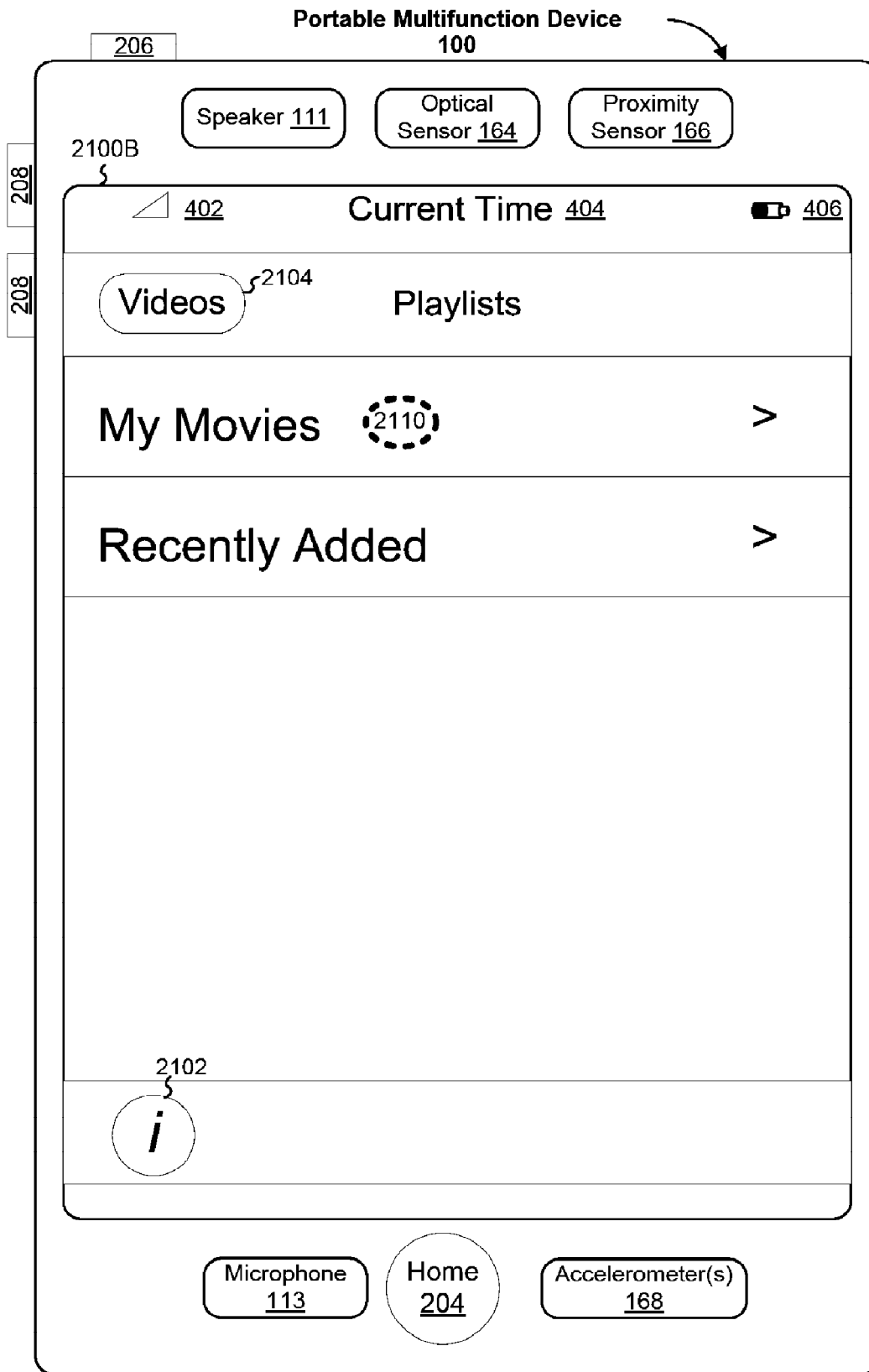


Figure 21B

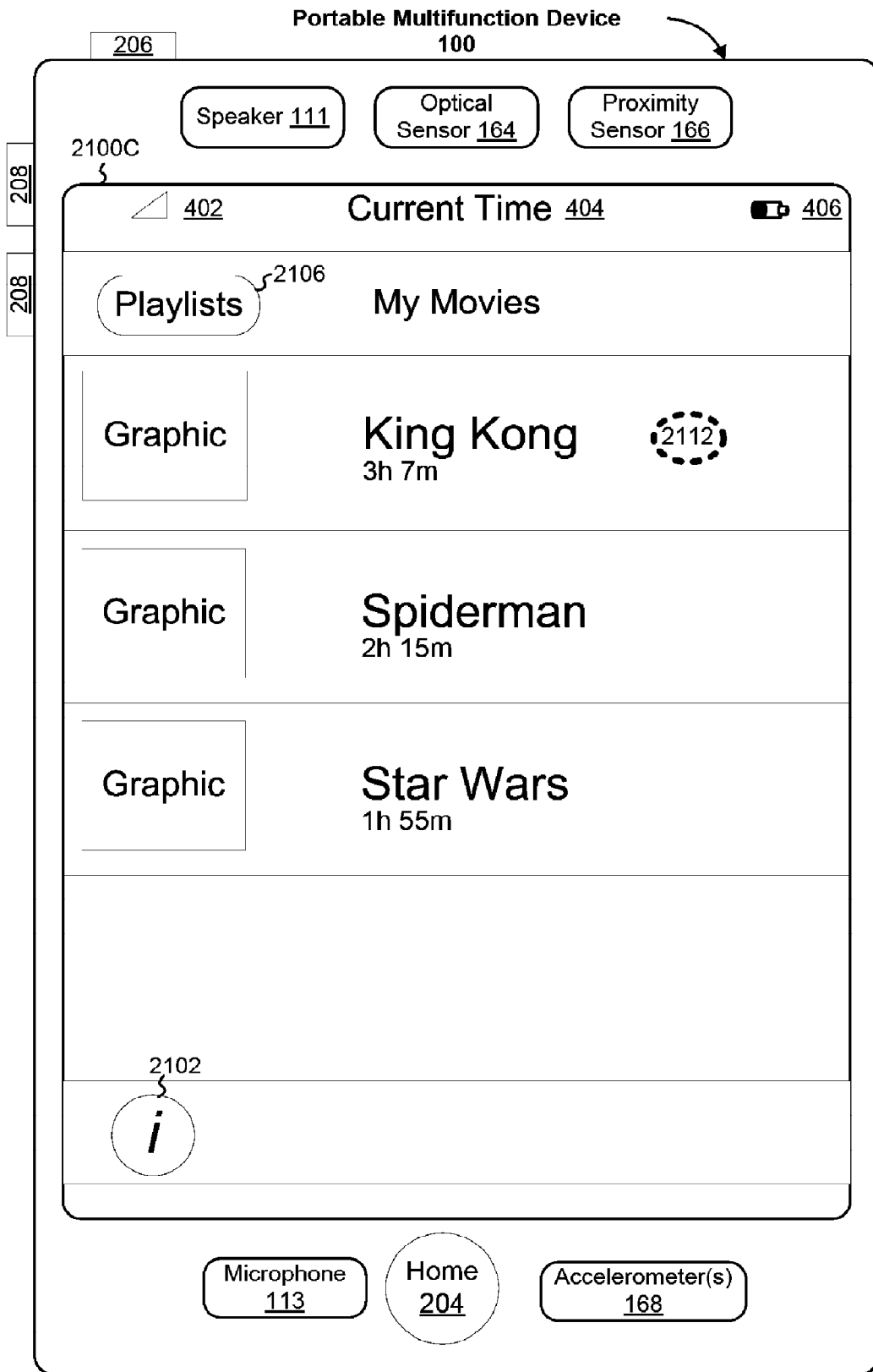


Figure 21C

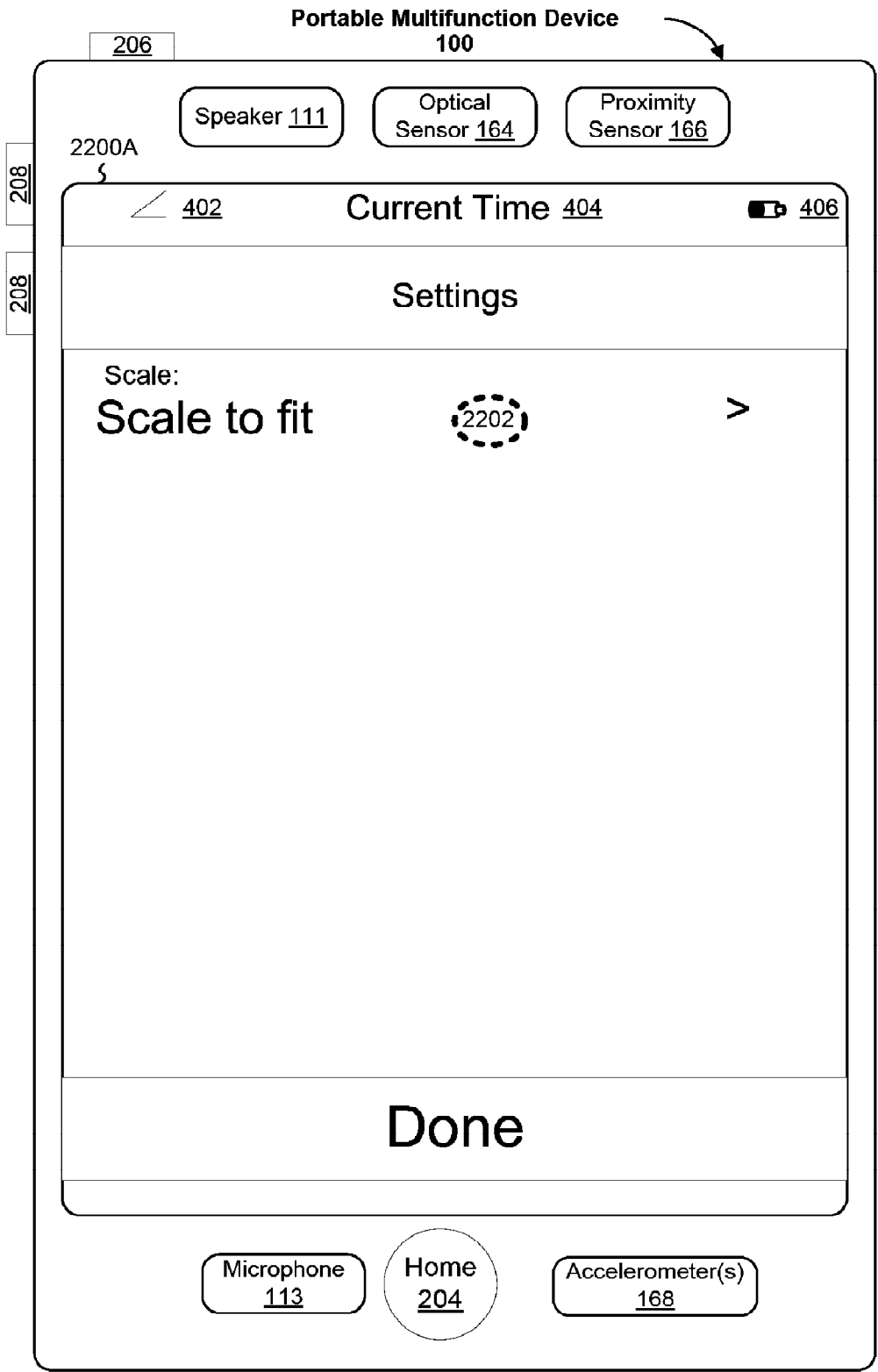


Figure 22A

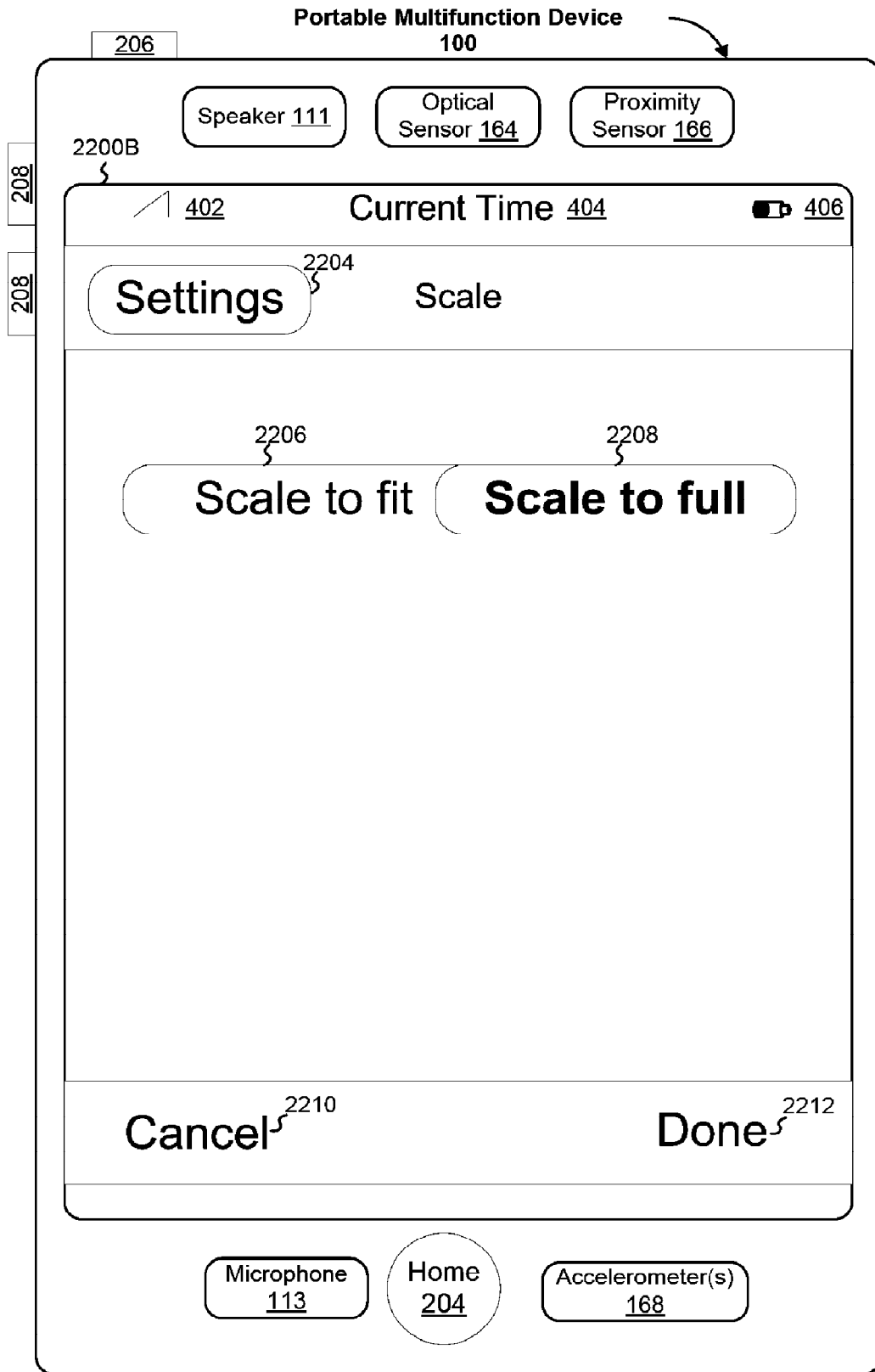


Figure 22B

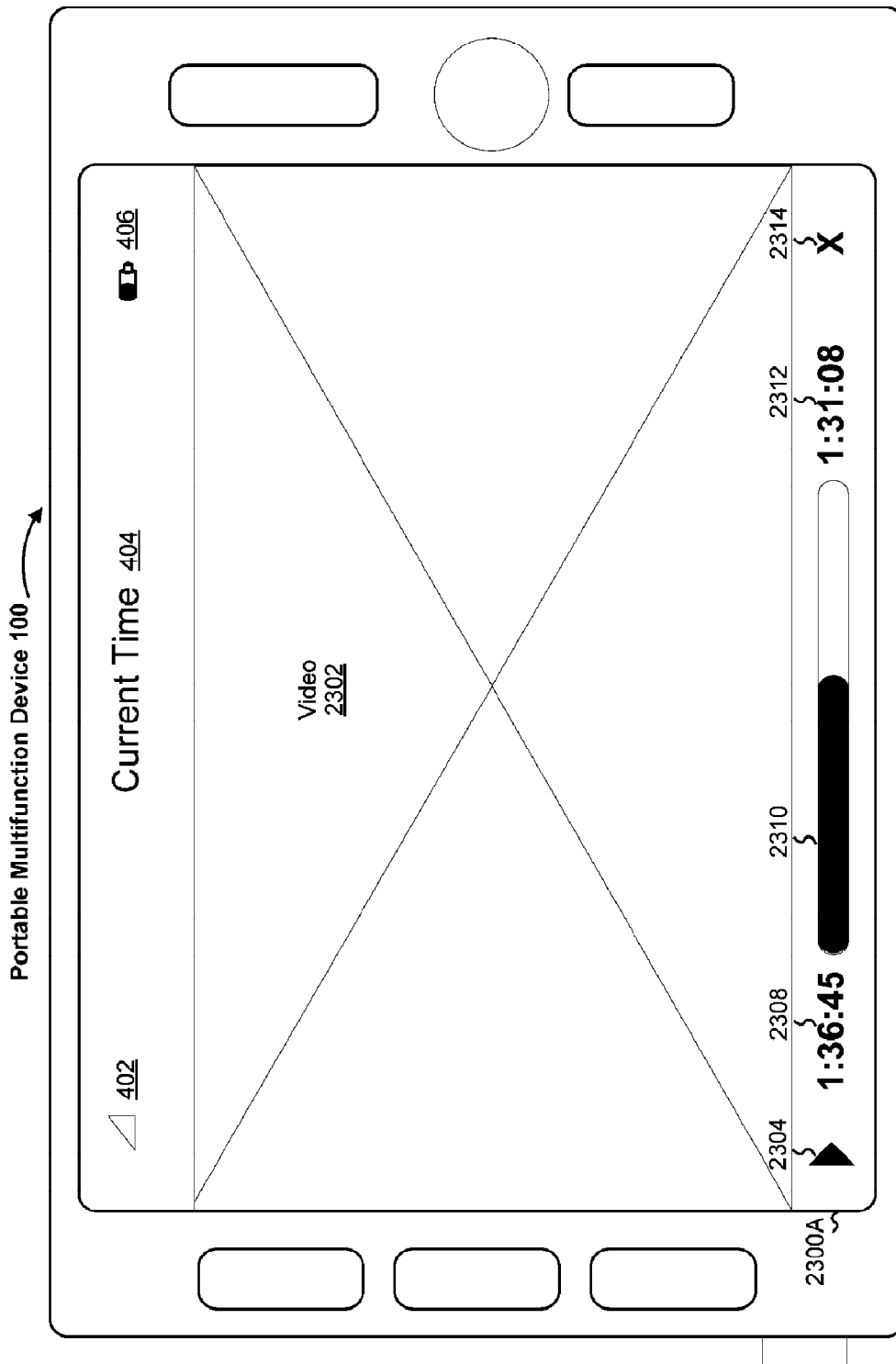
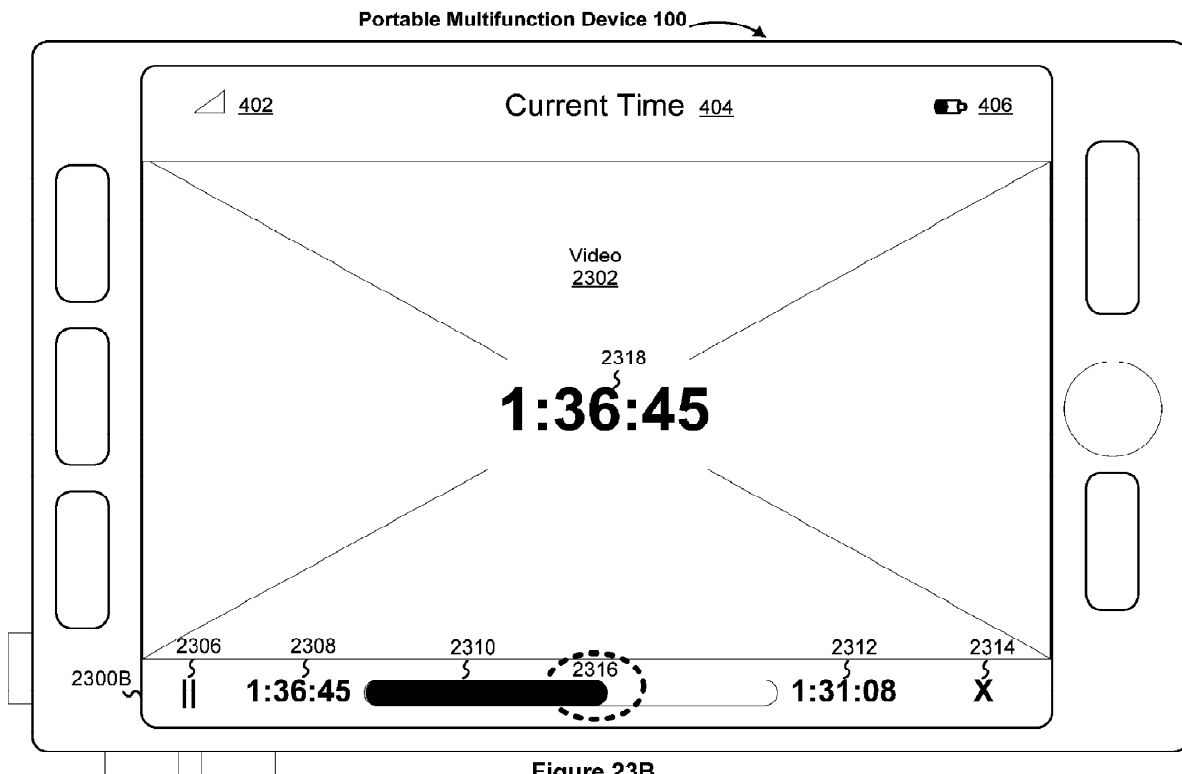


Figure 23A



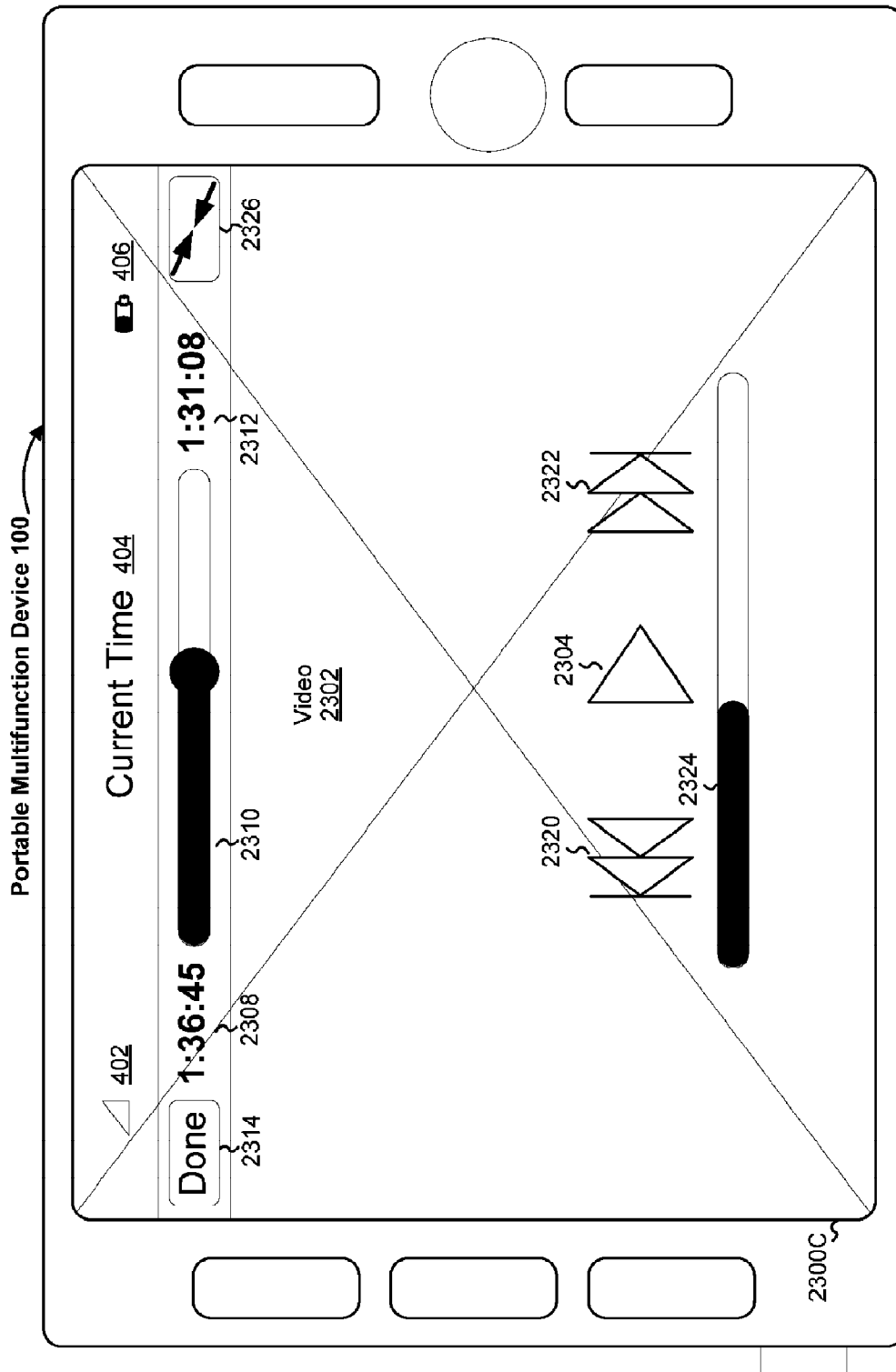
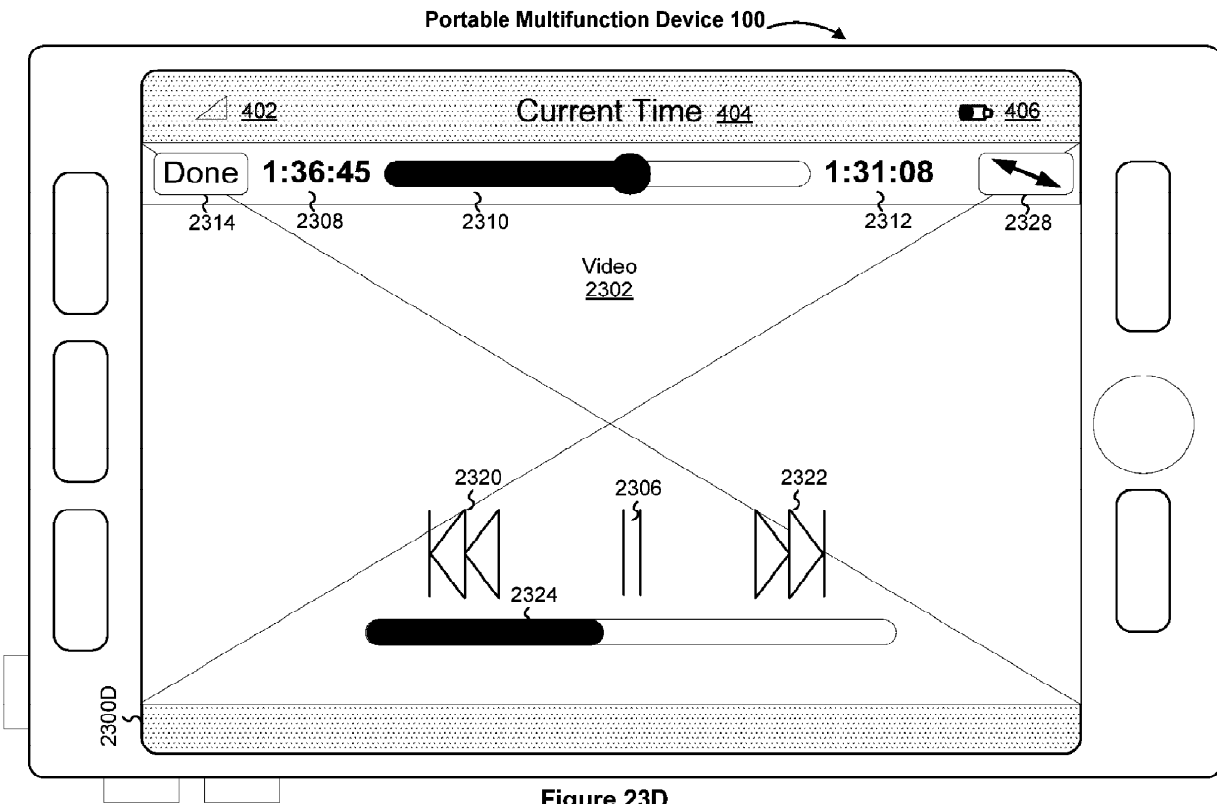


Figure 23C



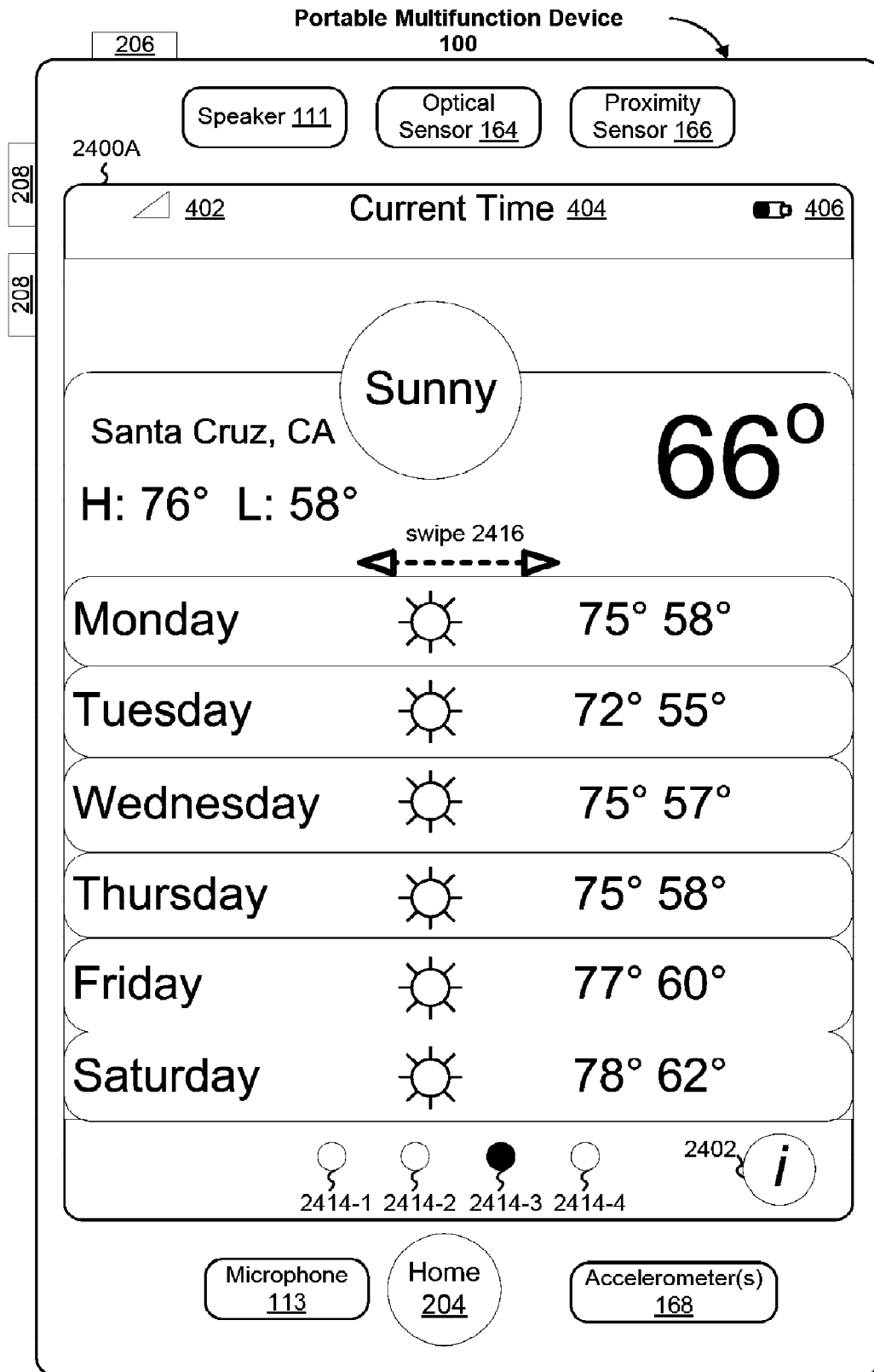


Figure 24A



Figure 24B

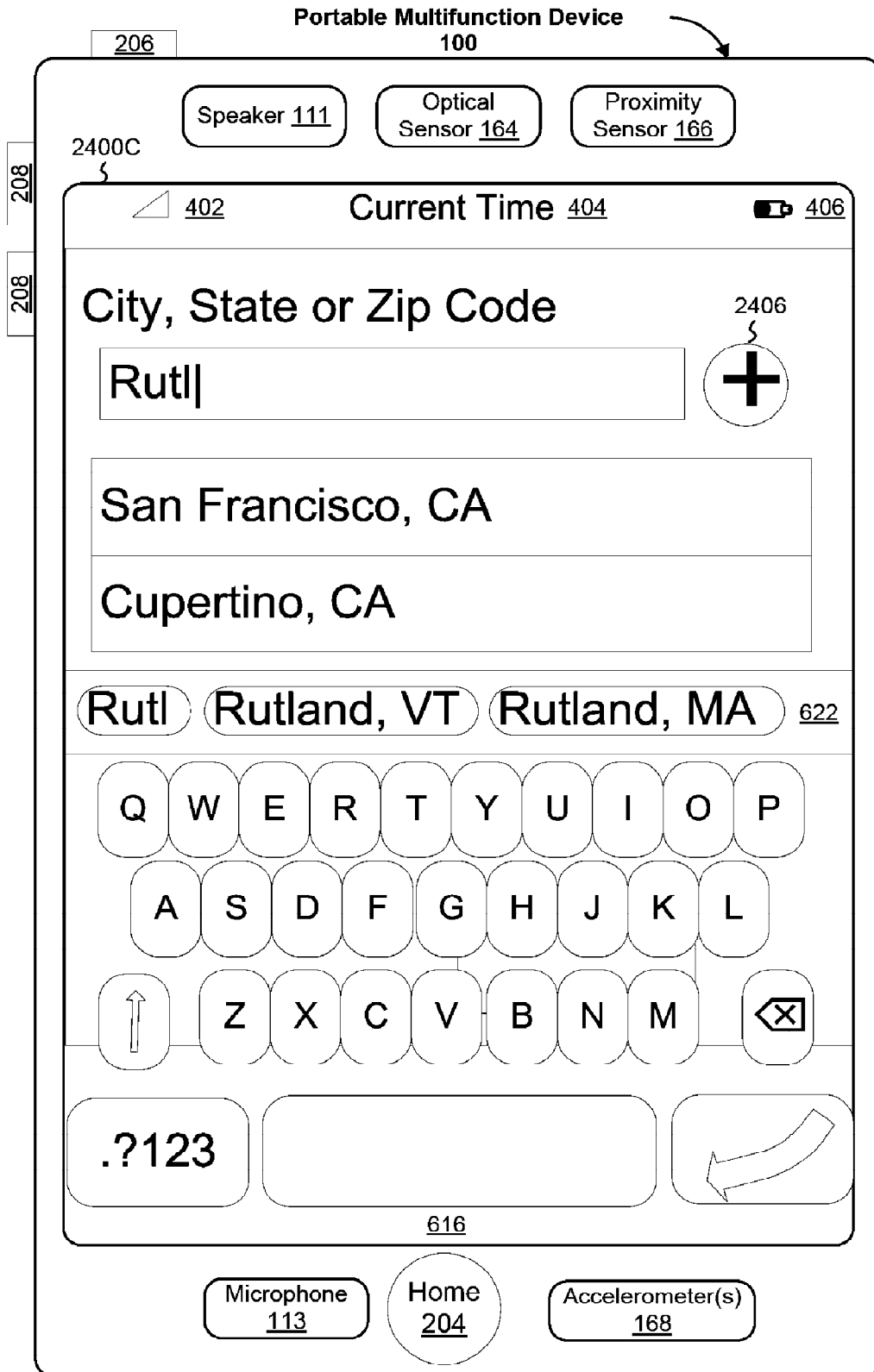


Figure 24C

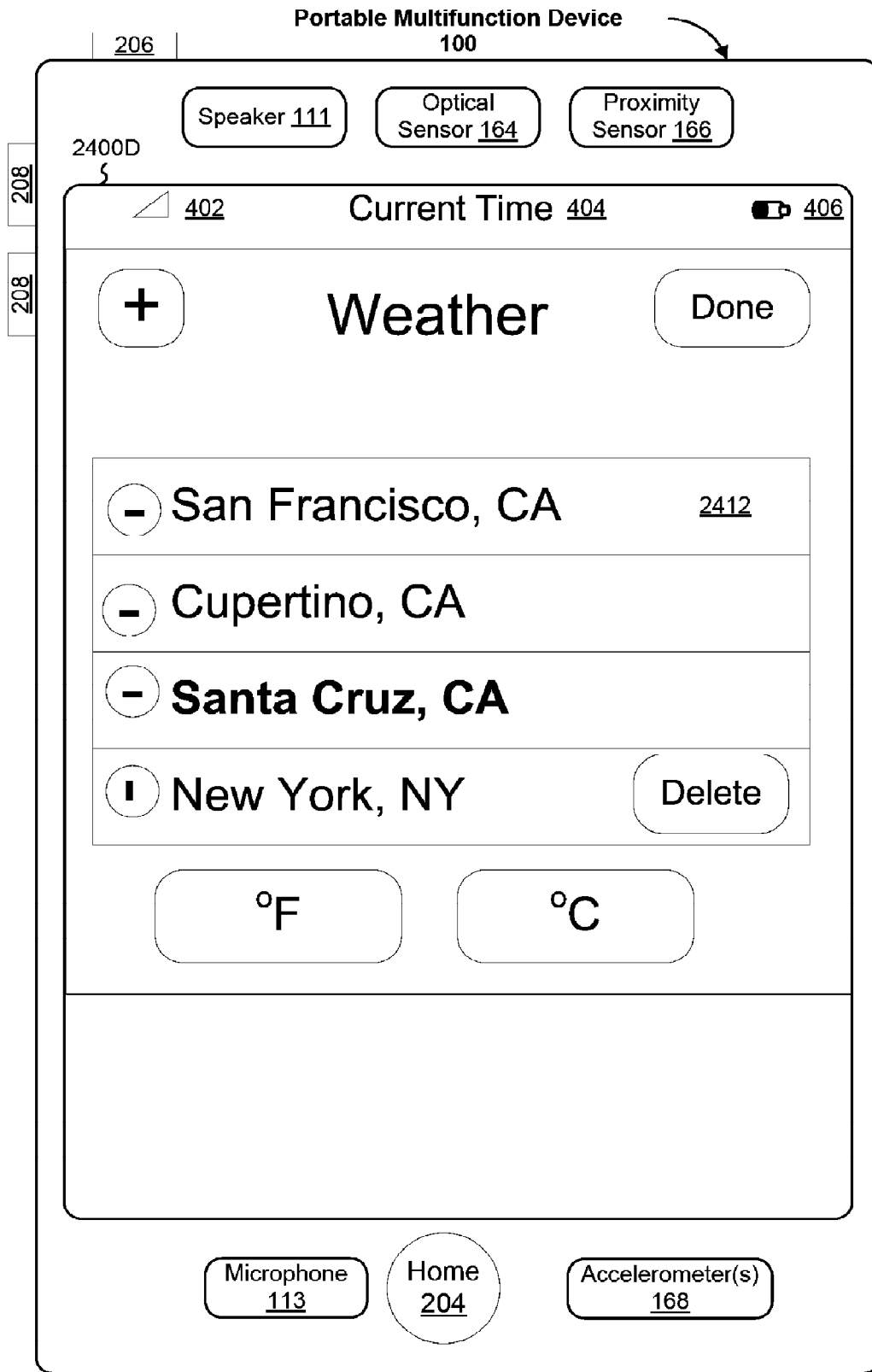


Figure 24D

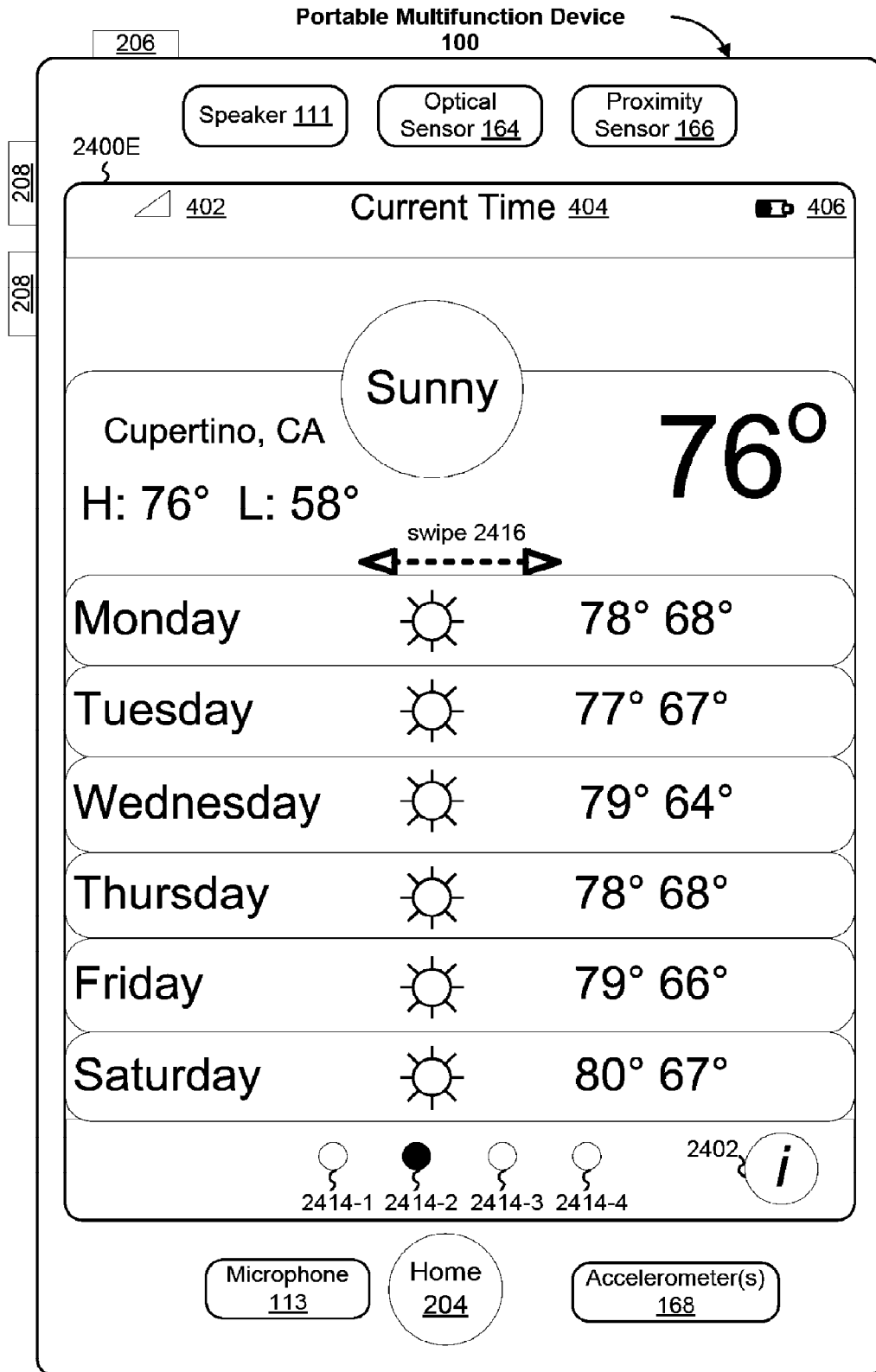


Figure 24E

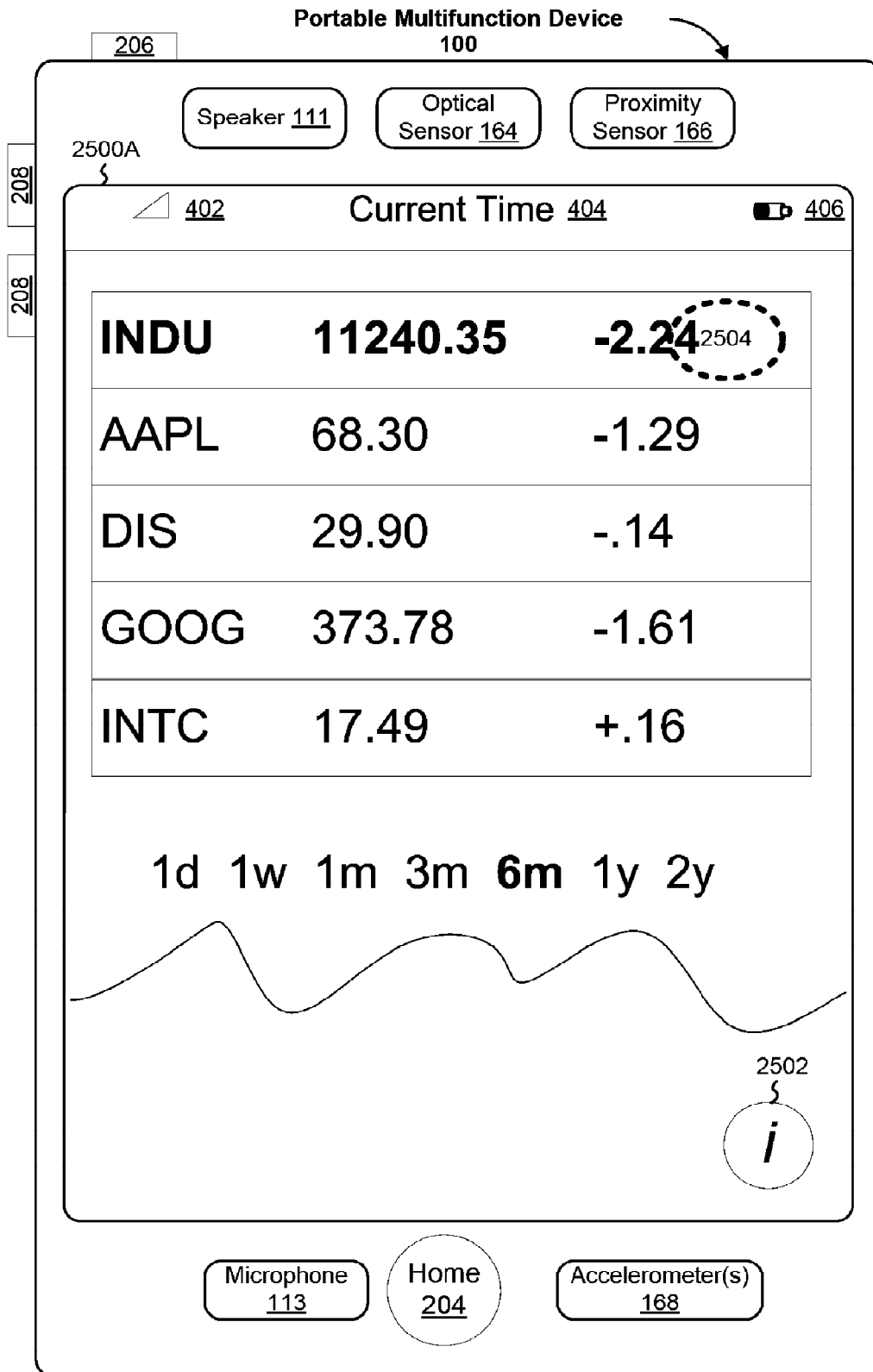


Figure 25A

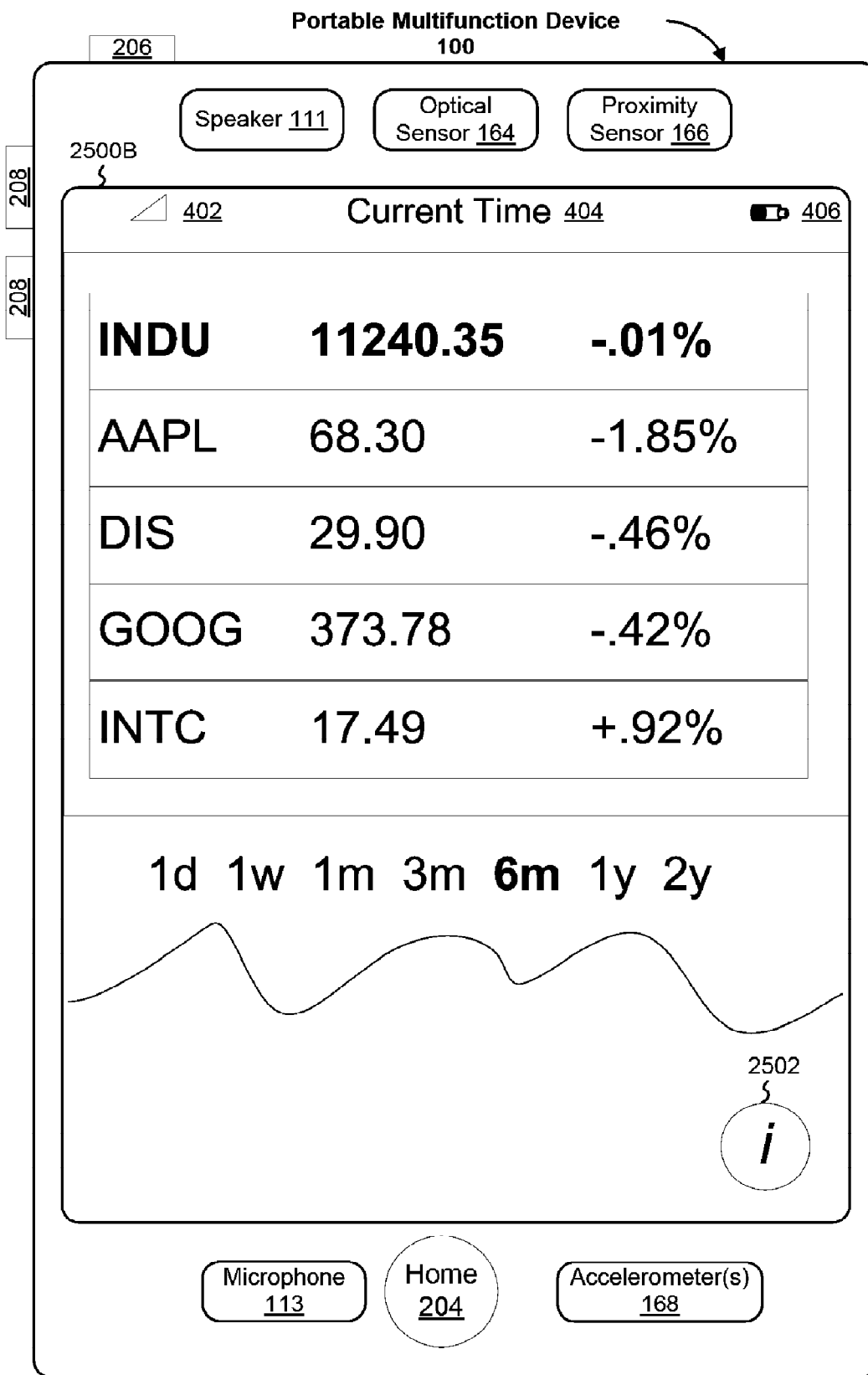


Figure 25B

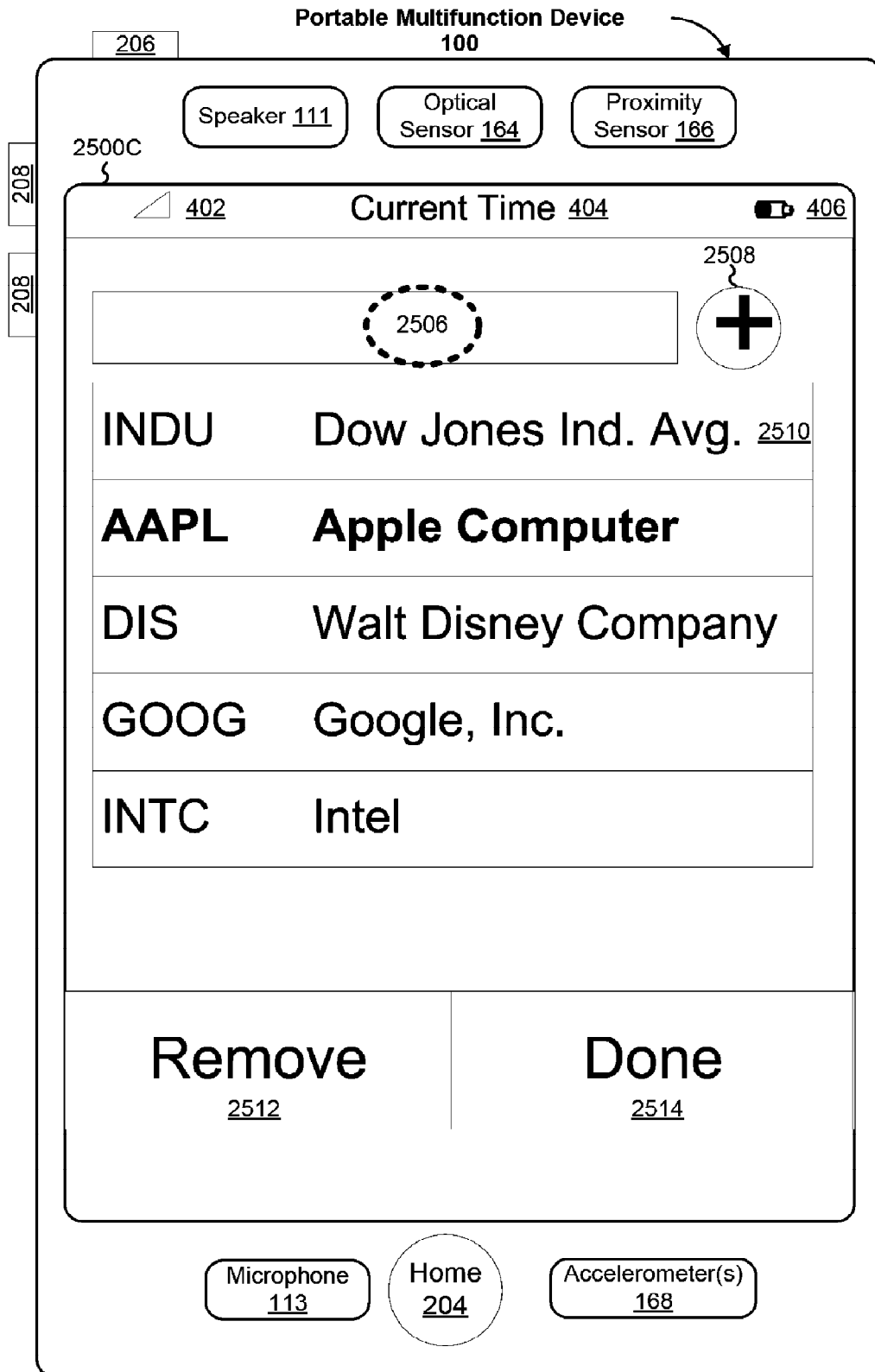


Figure 25C

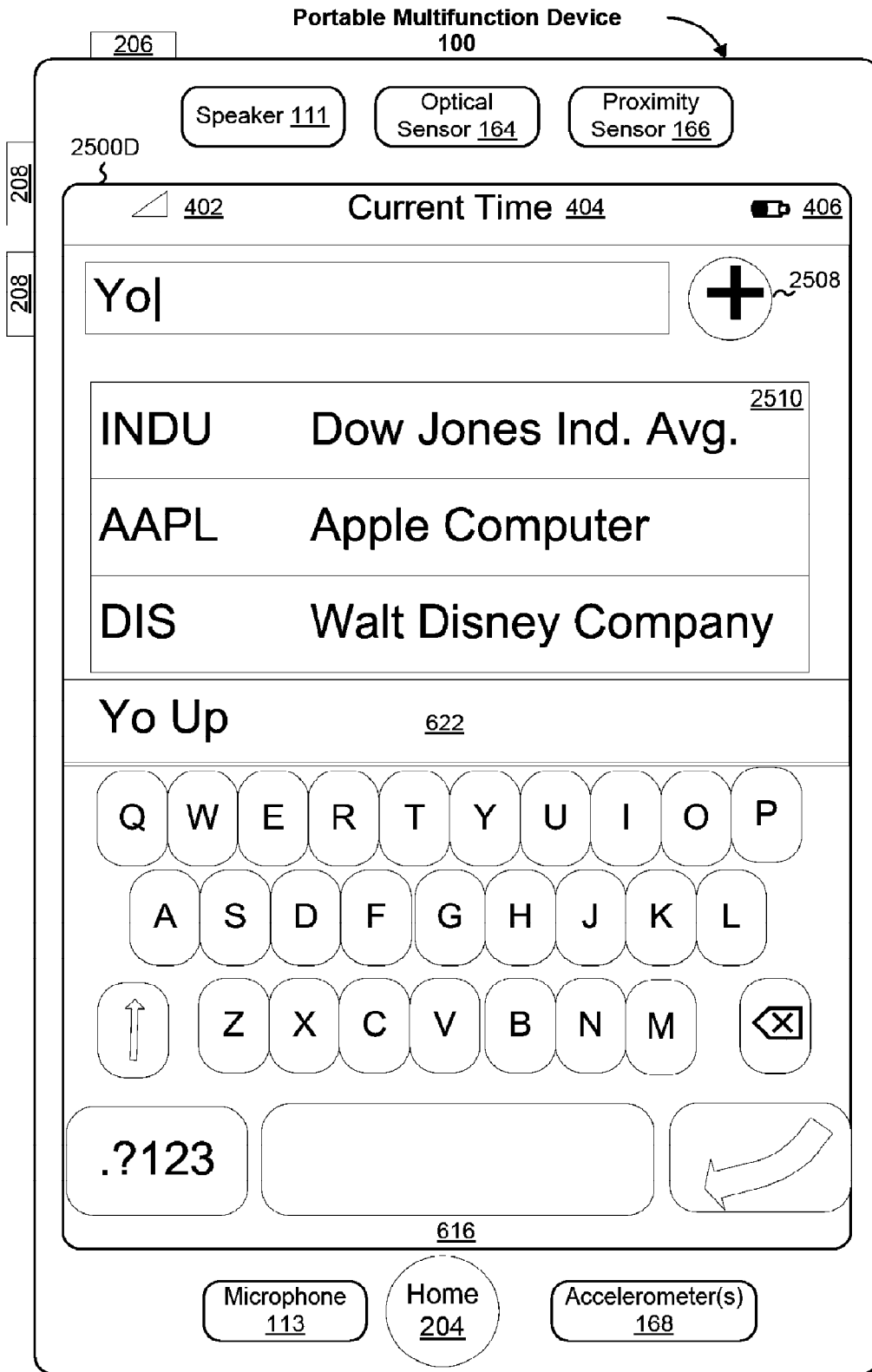


Figure 25D

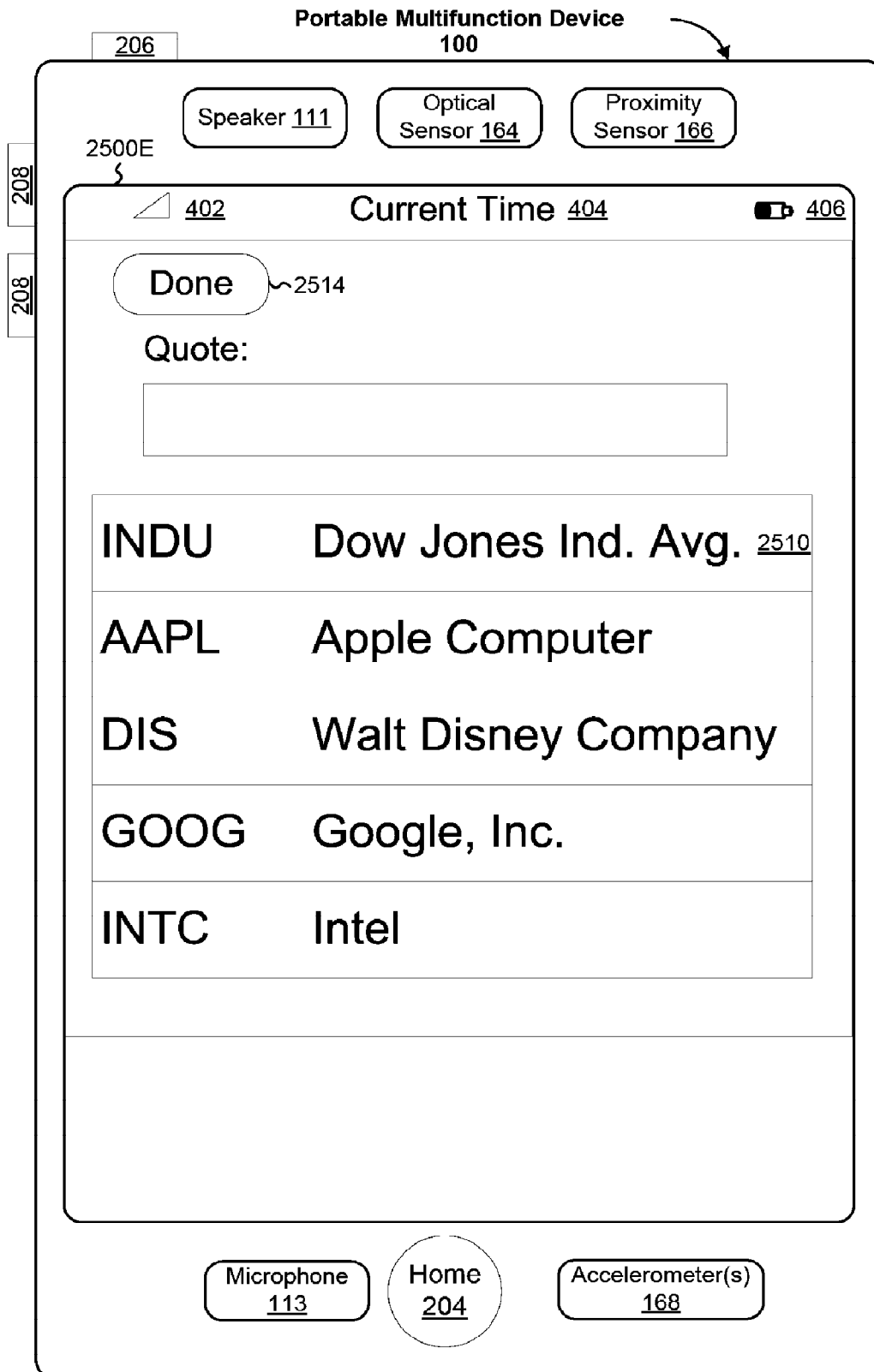


Figure 25E

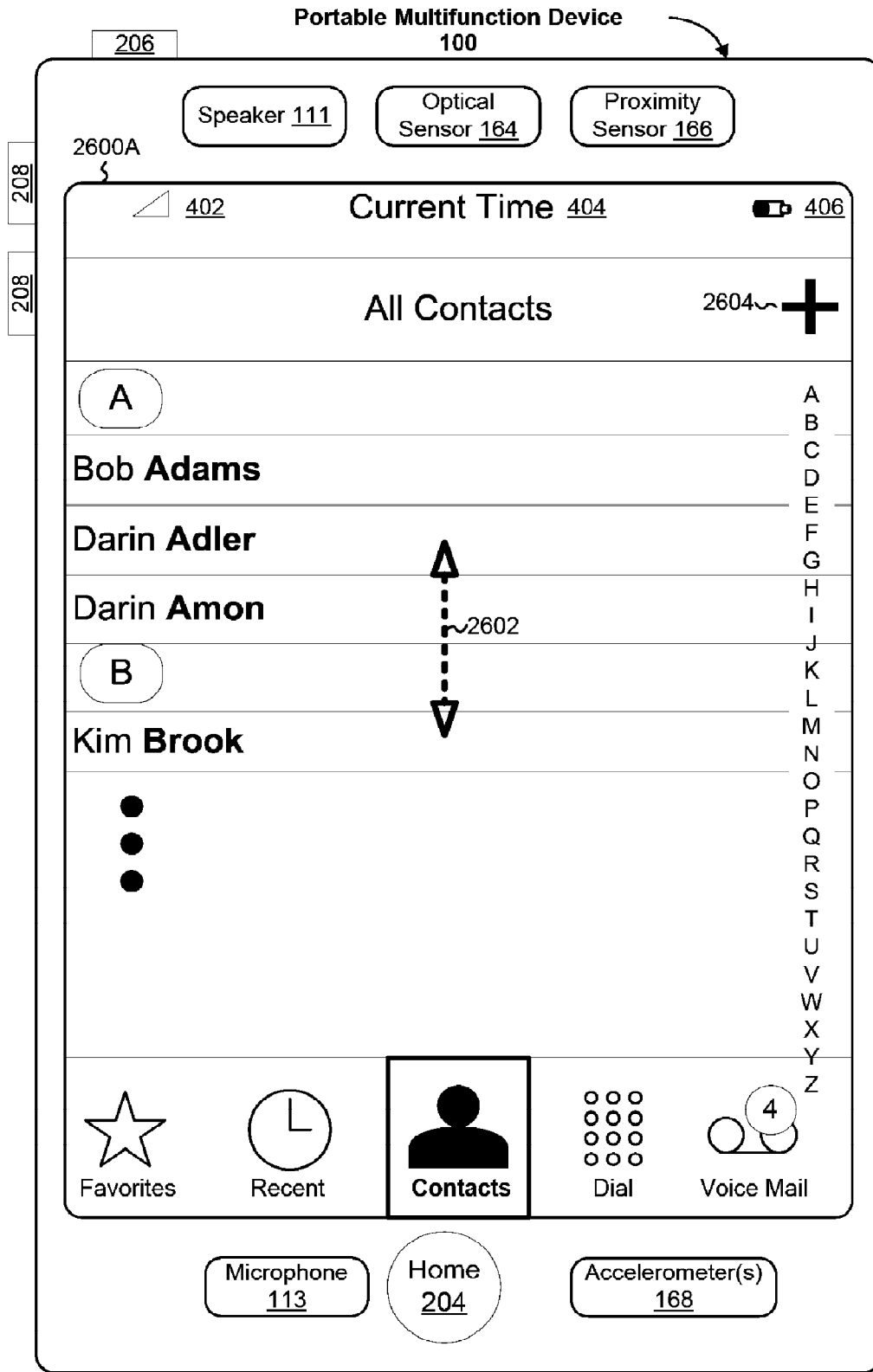


Figure 26A

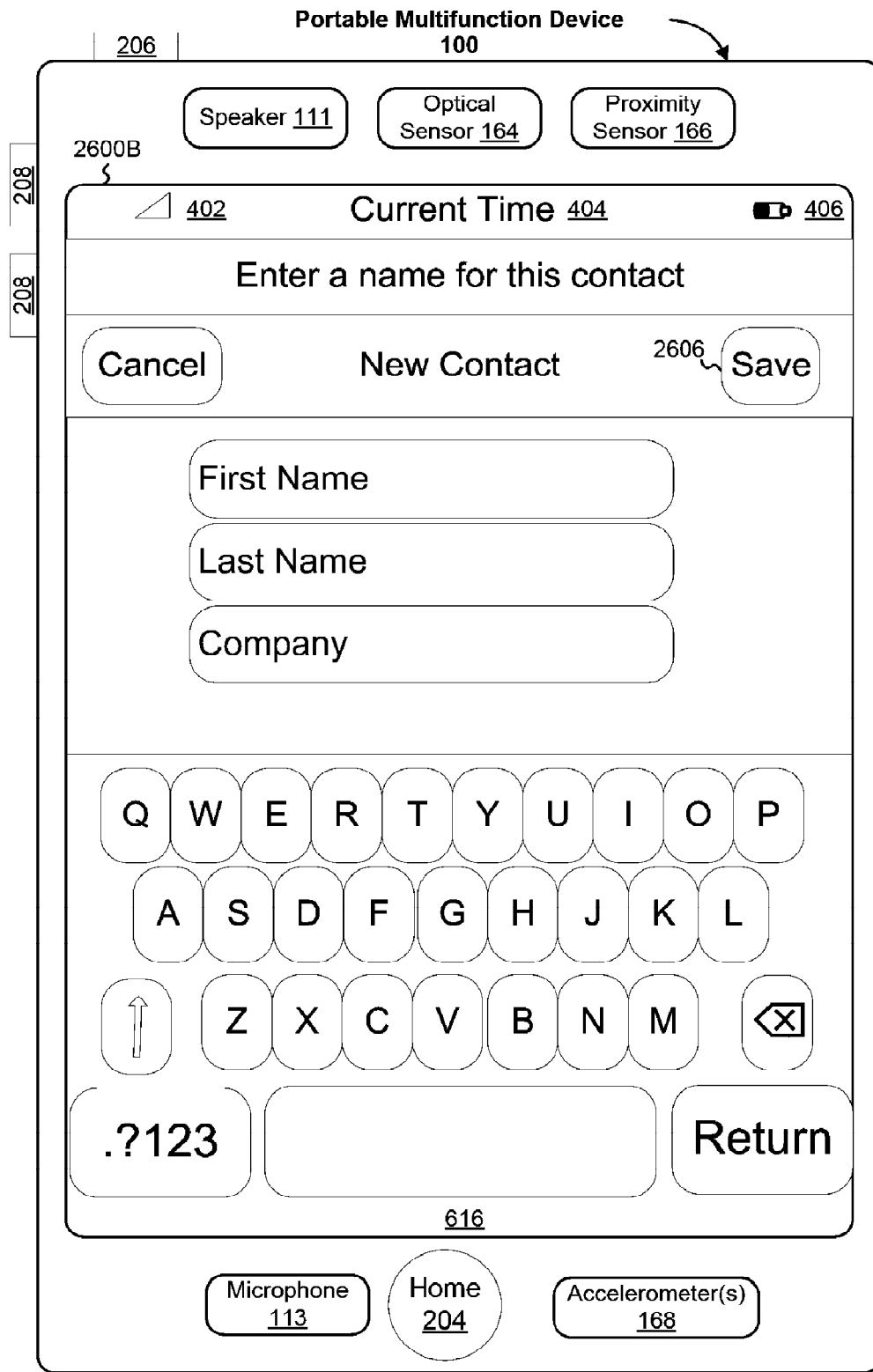


Figure 26B

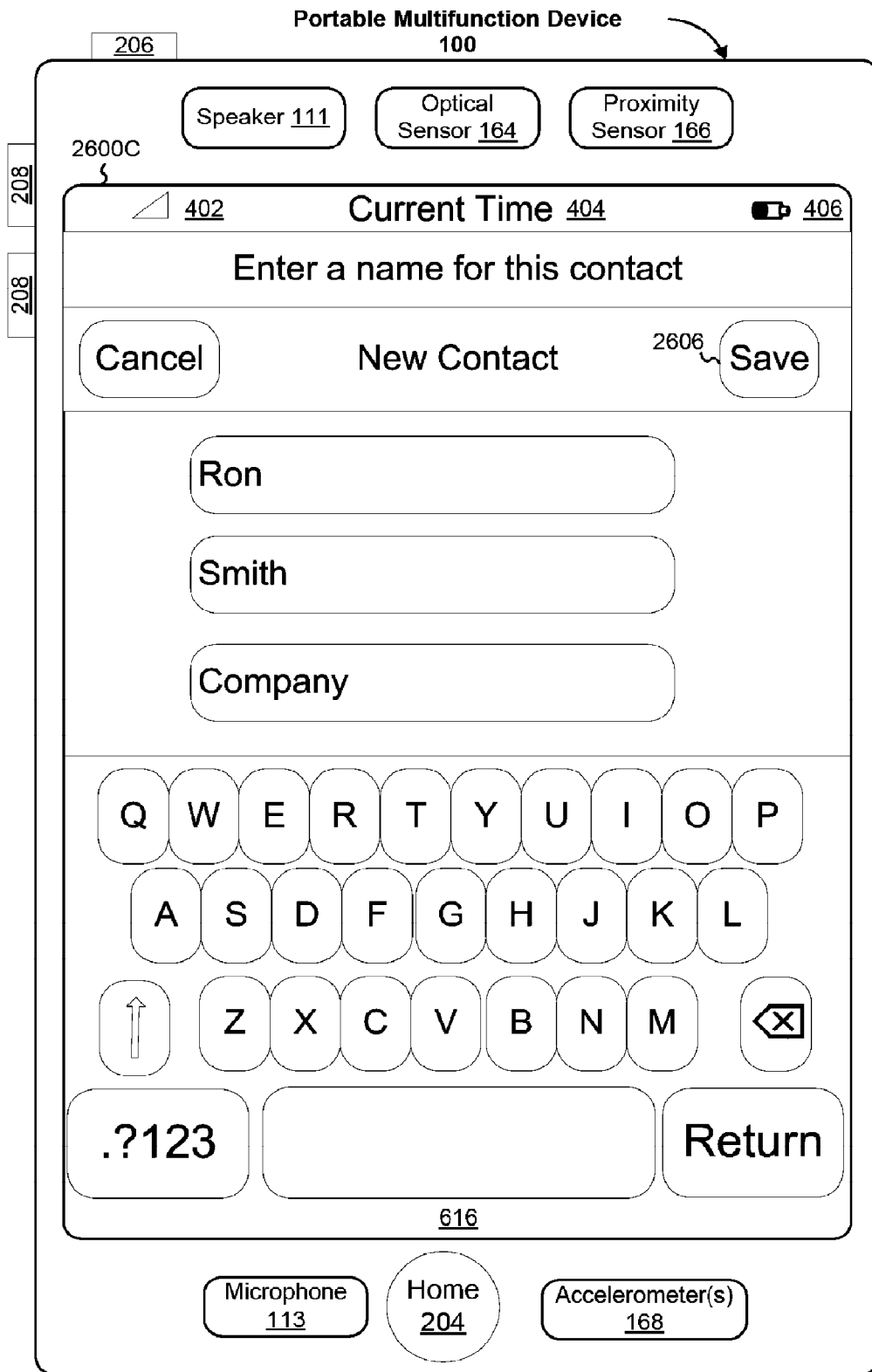


Figure 26C

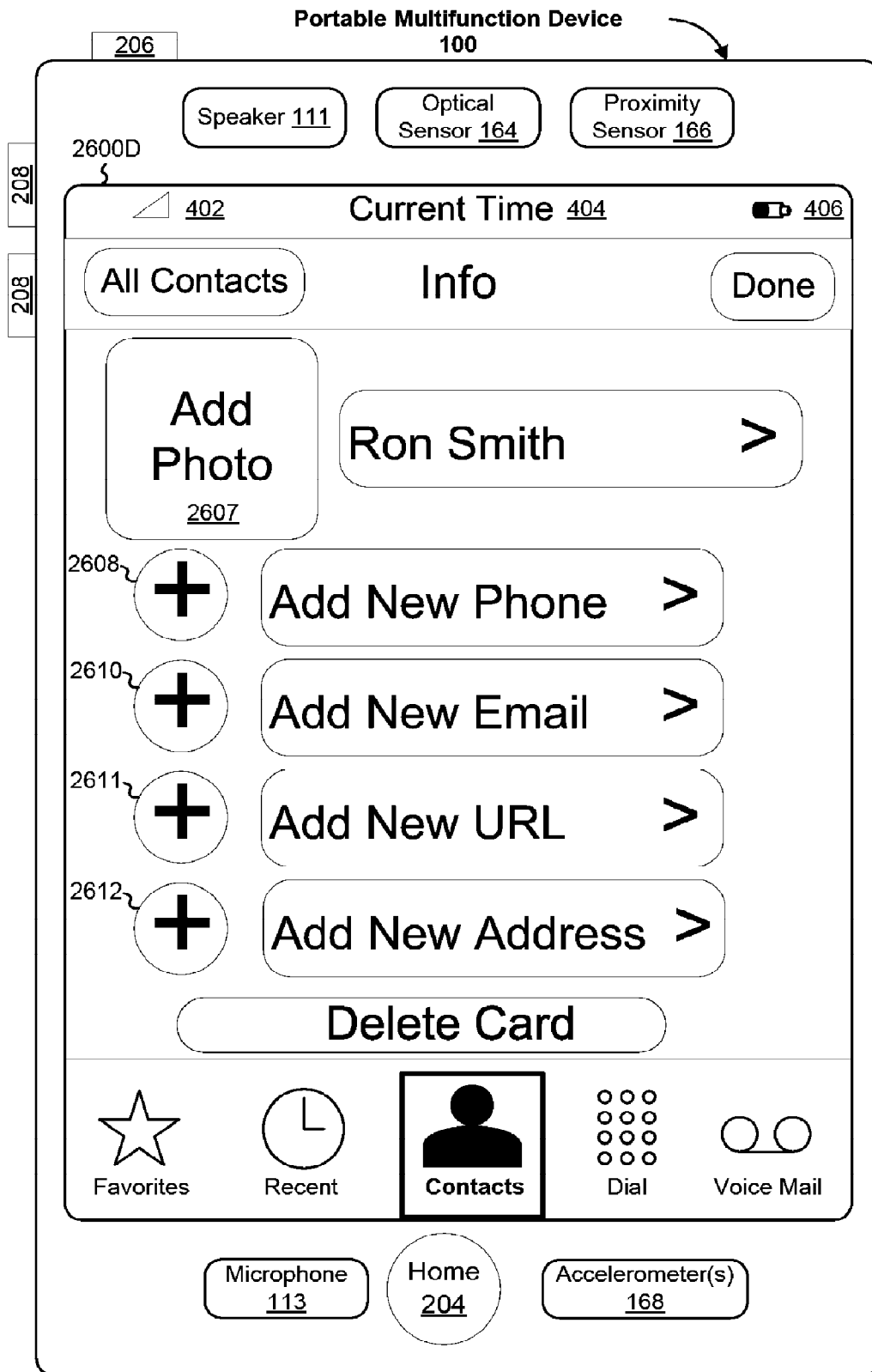


Figure 26D

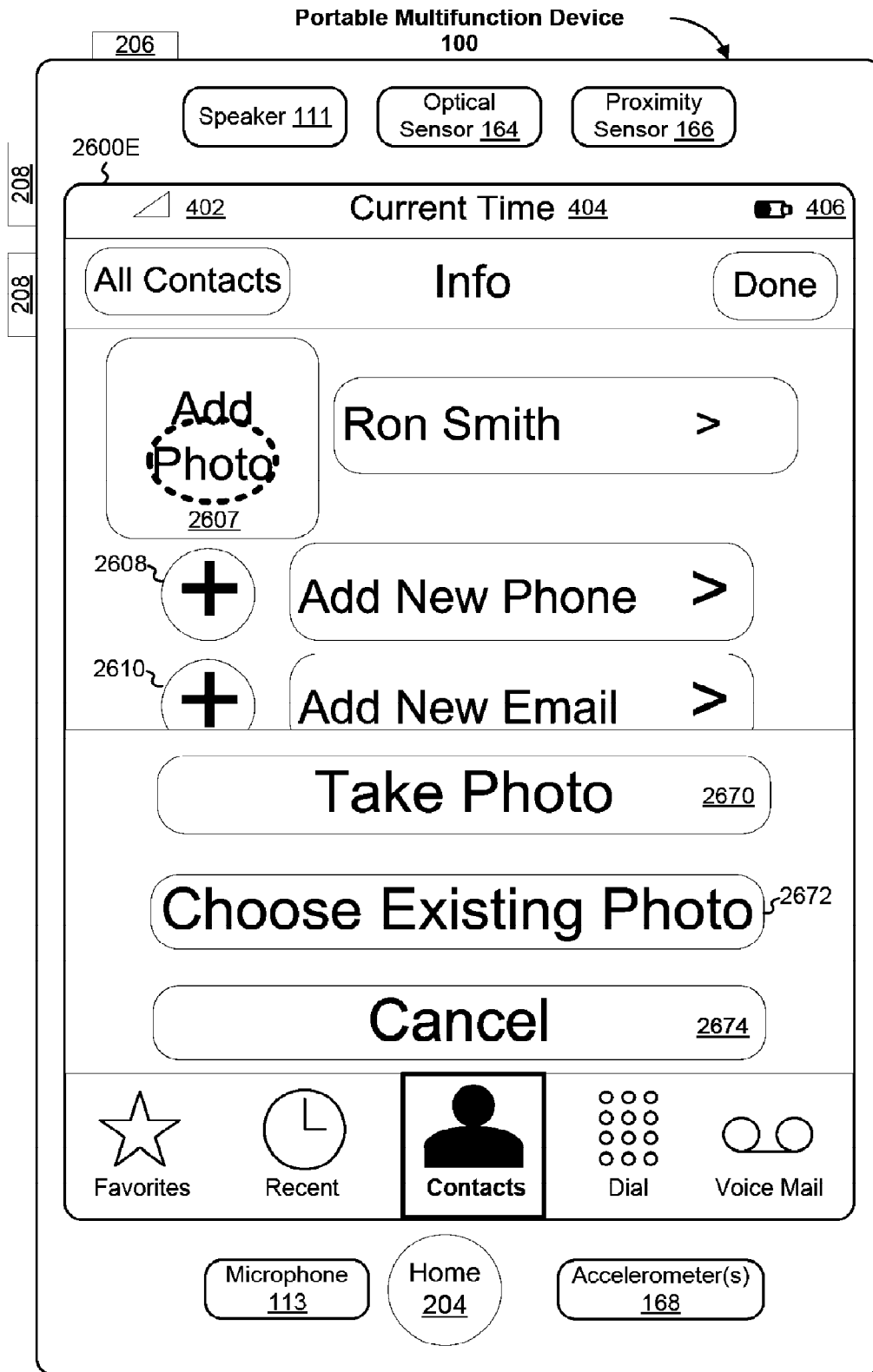


Figure 26E

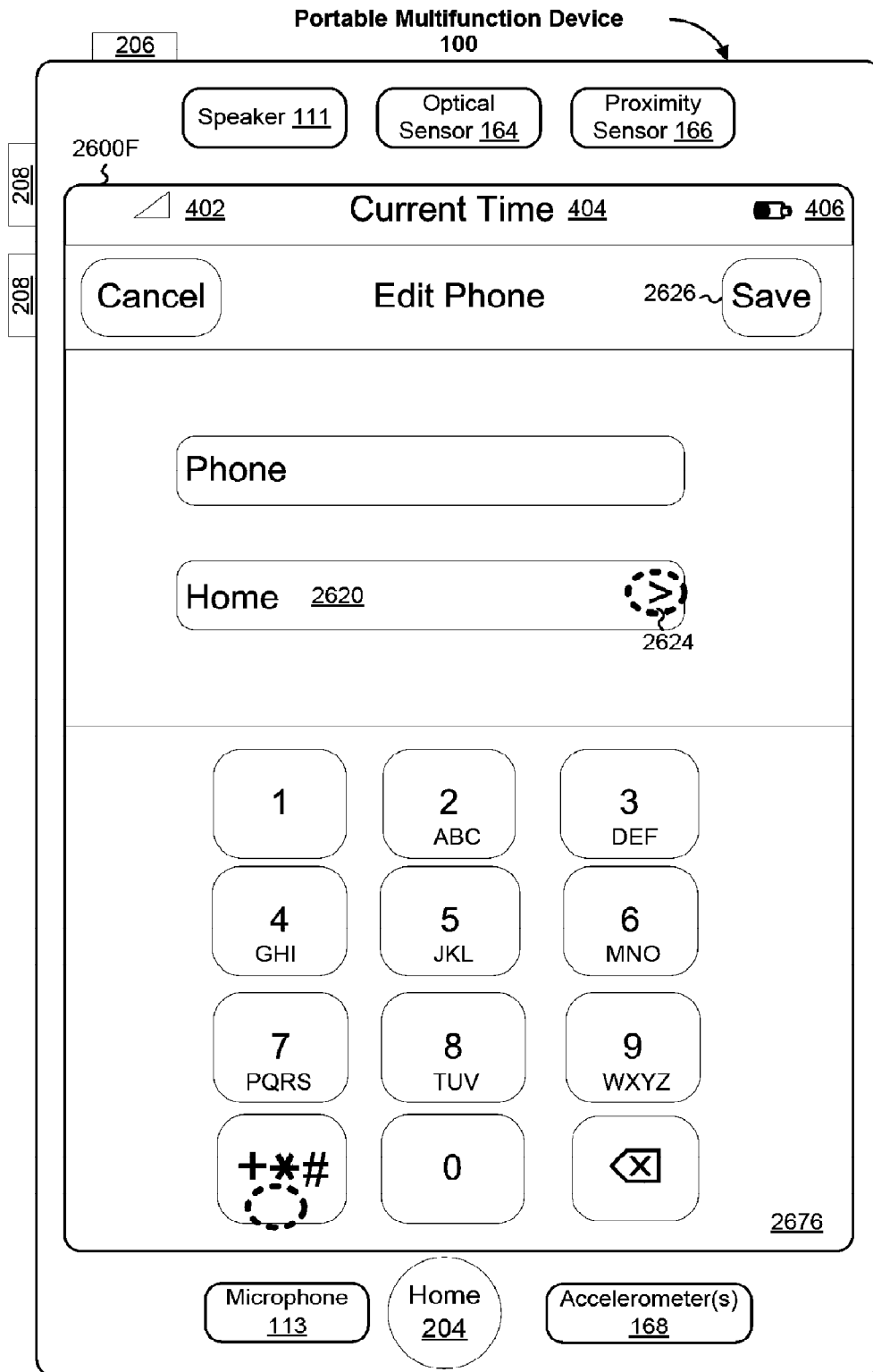


Figure 26F

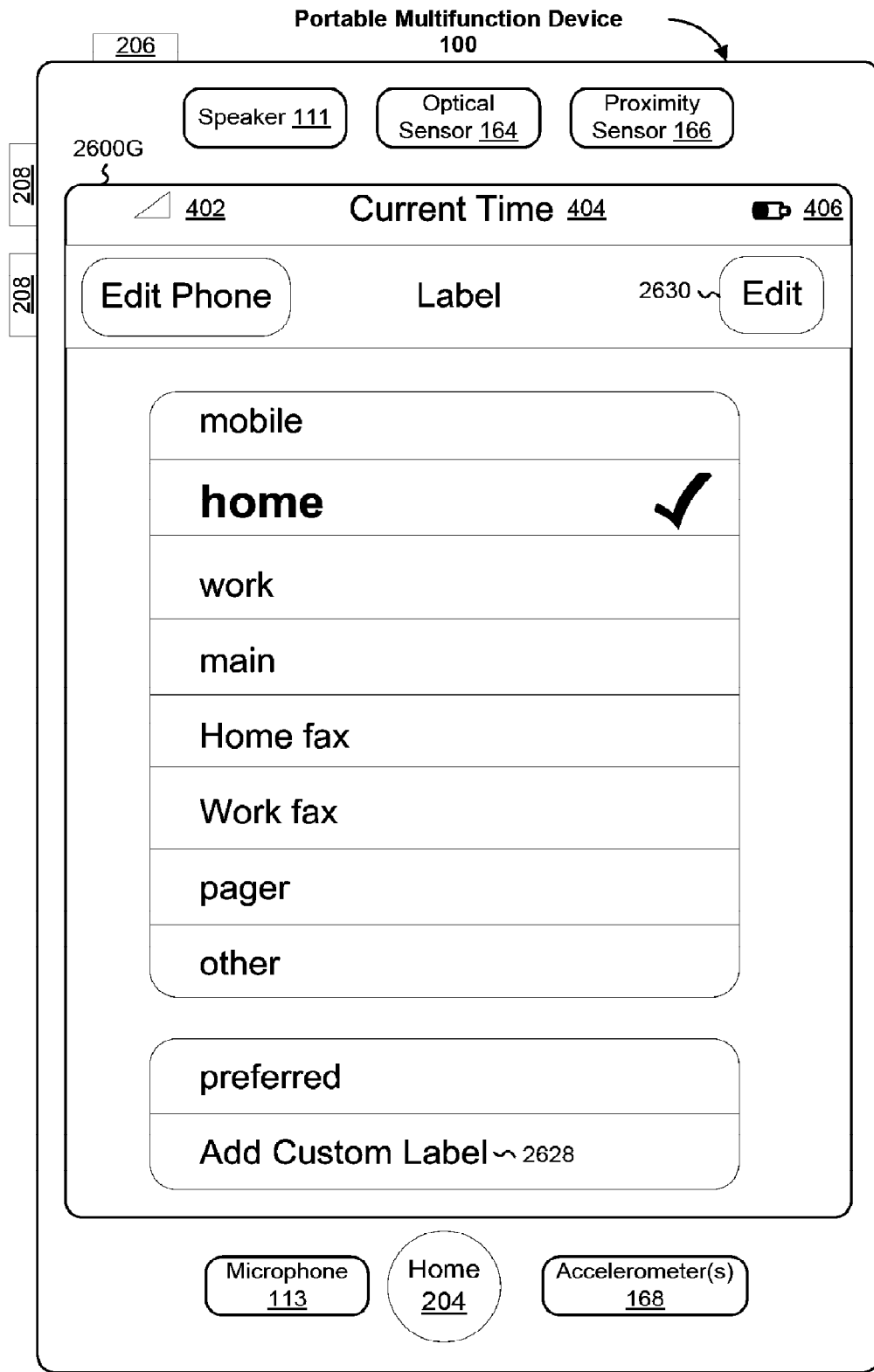


Figure 26G

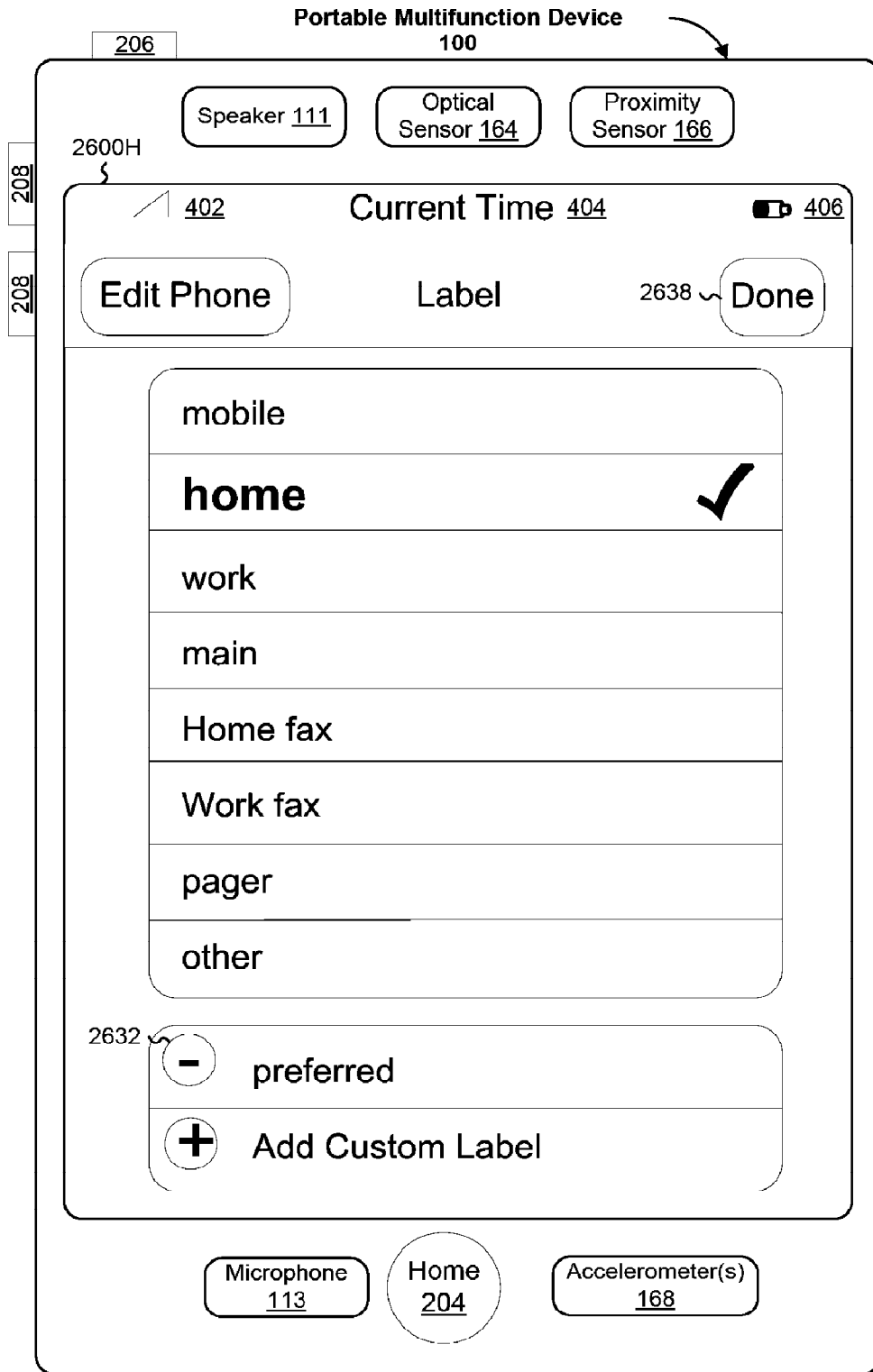


Figure 26H

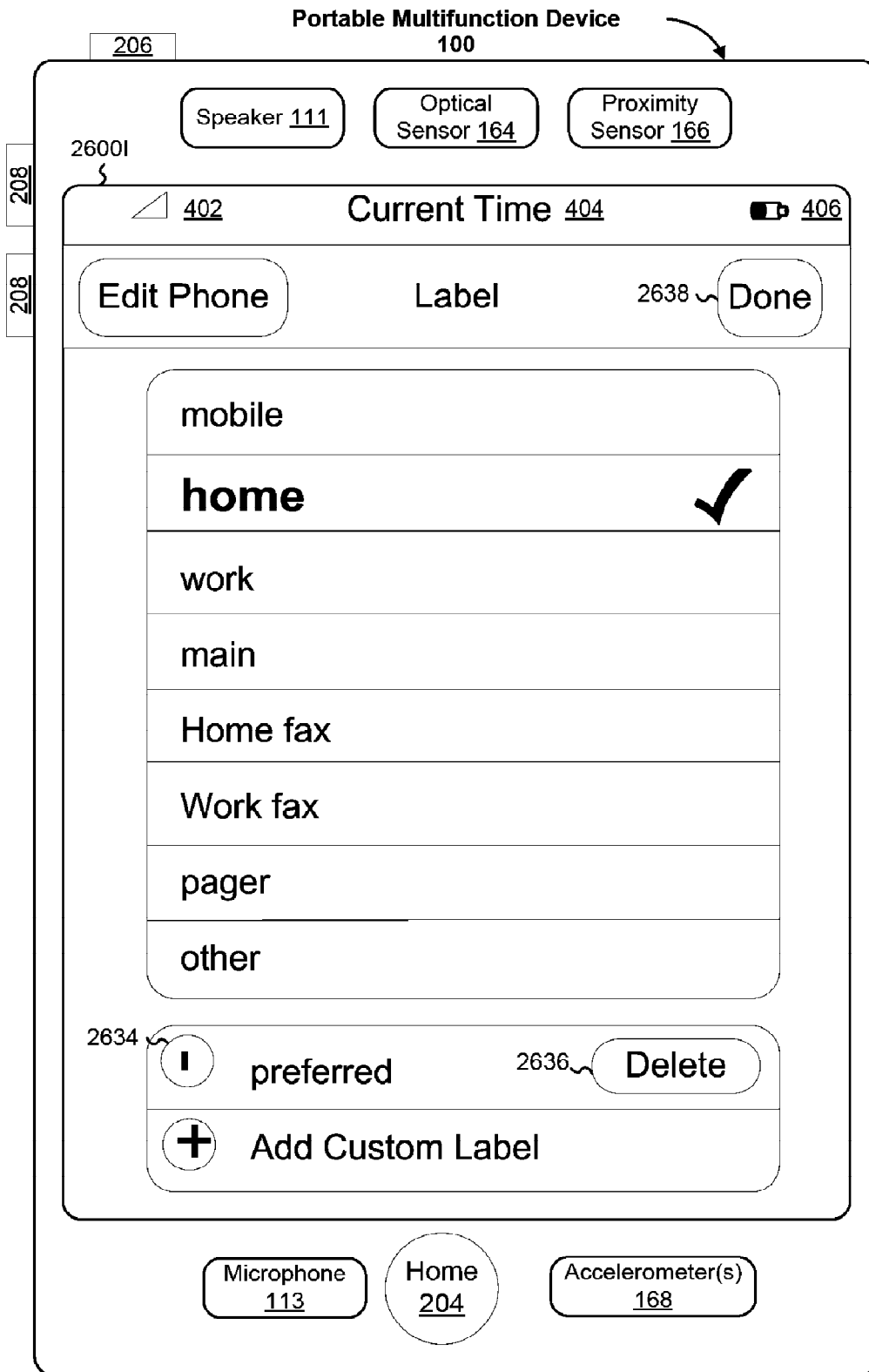


Figure 26l

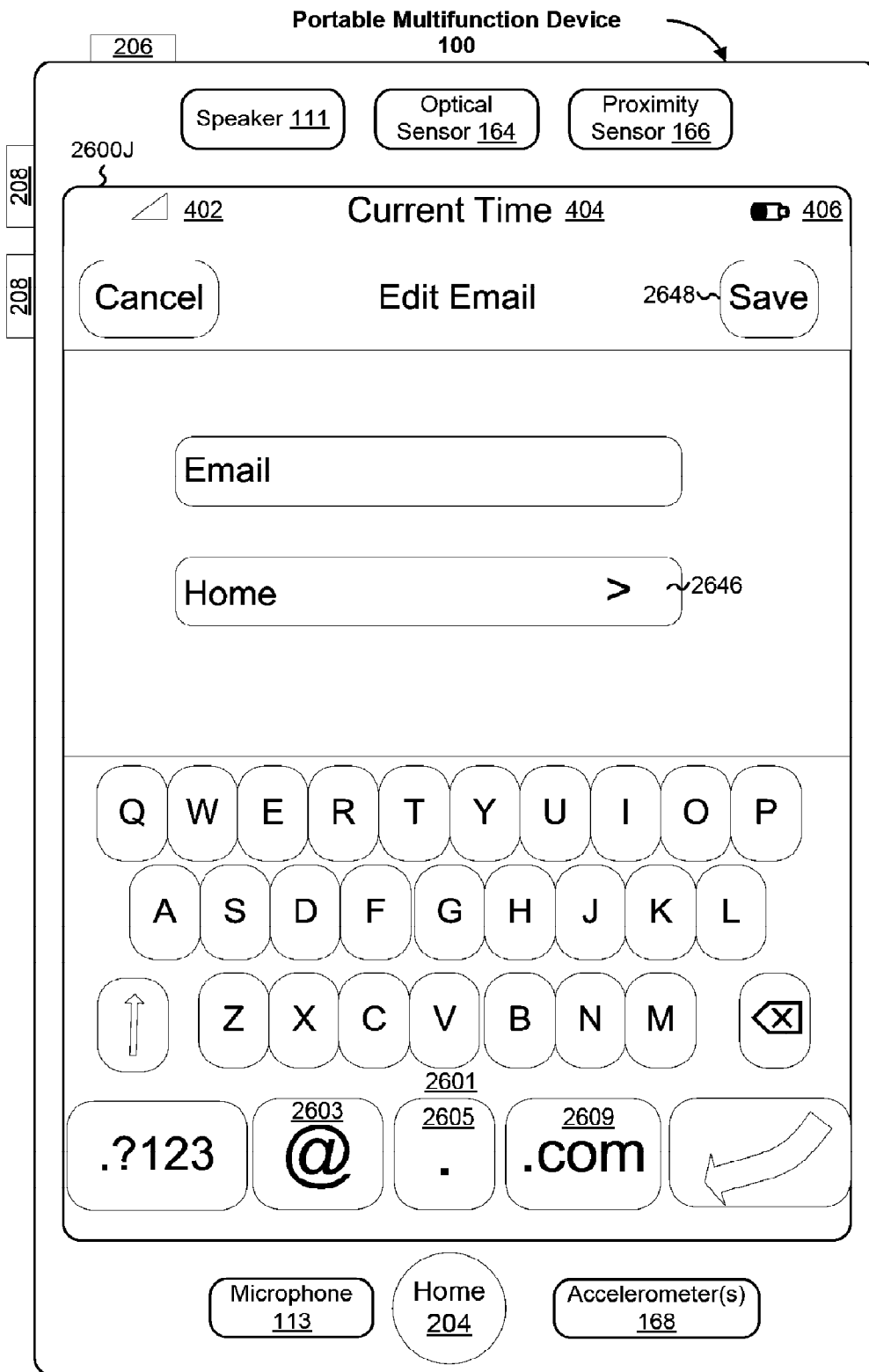


Figure 26J

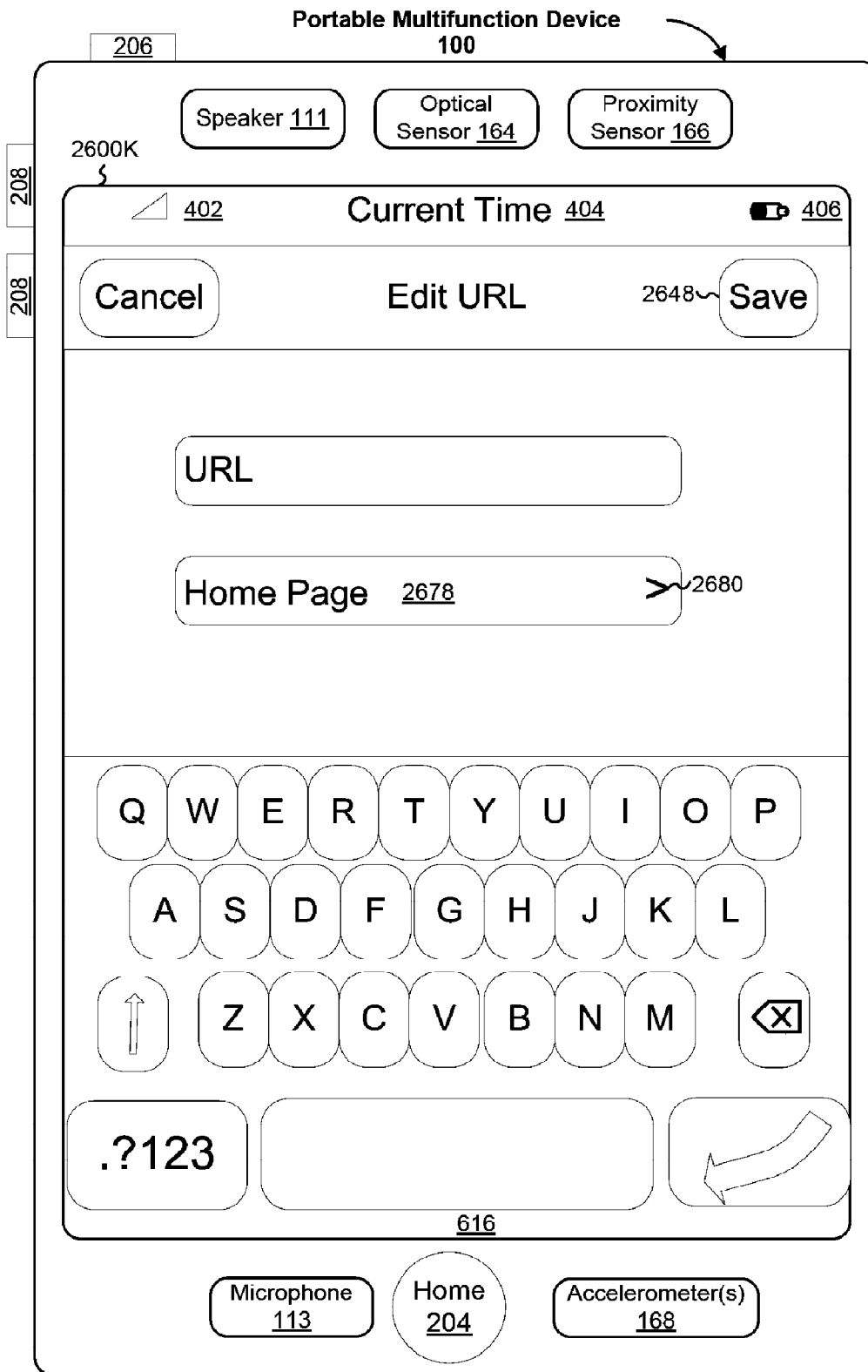


Figure 26K

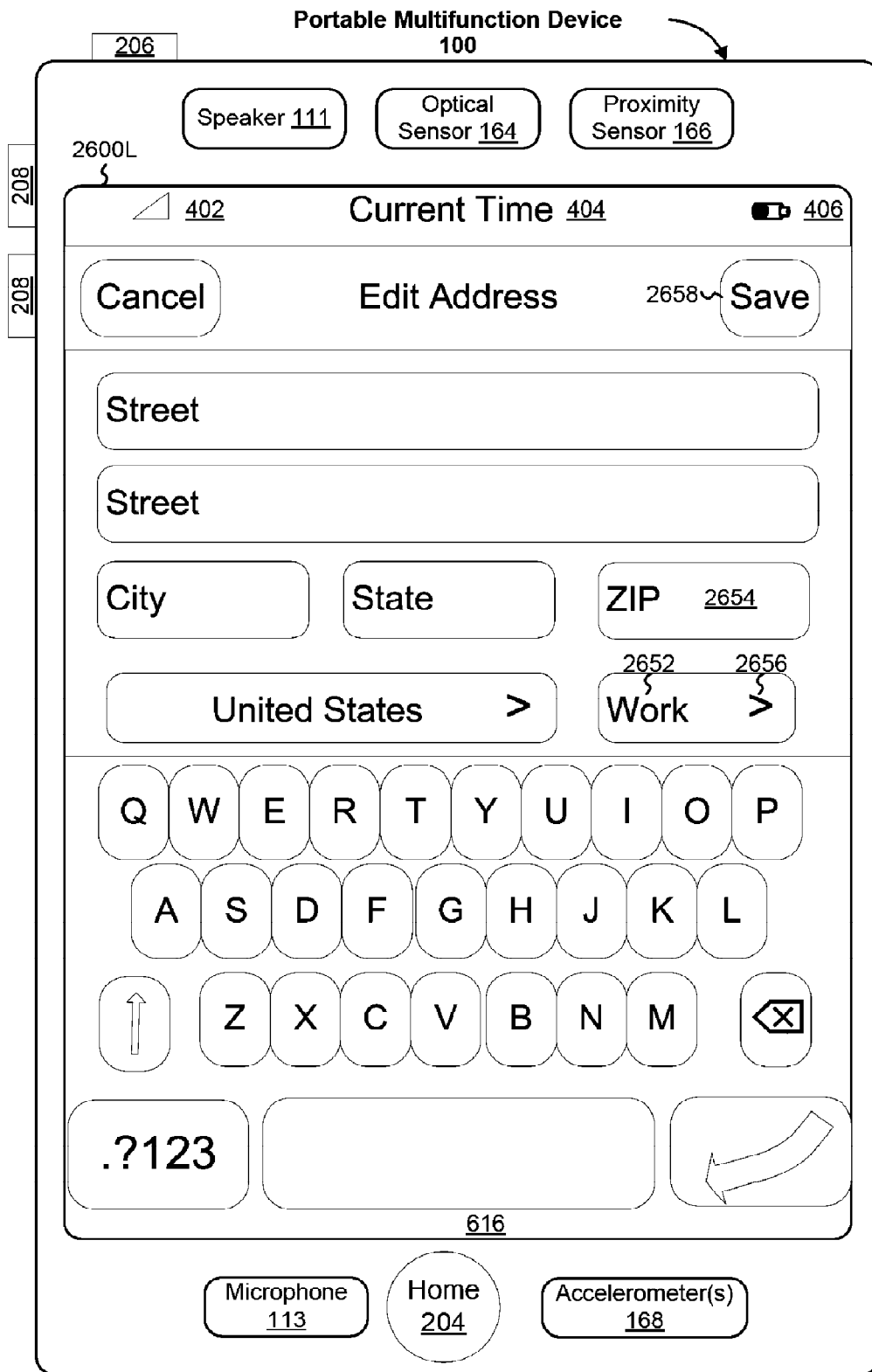


Figure 26L

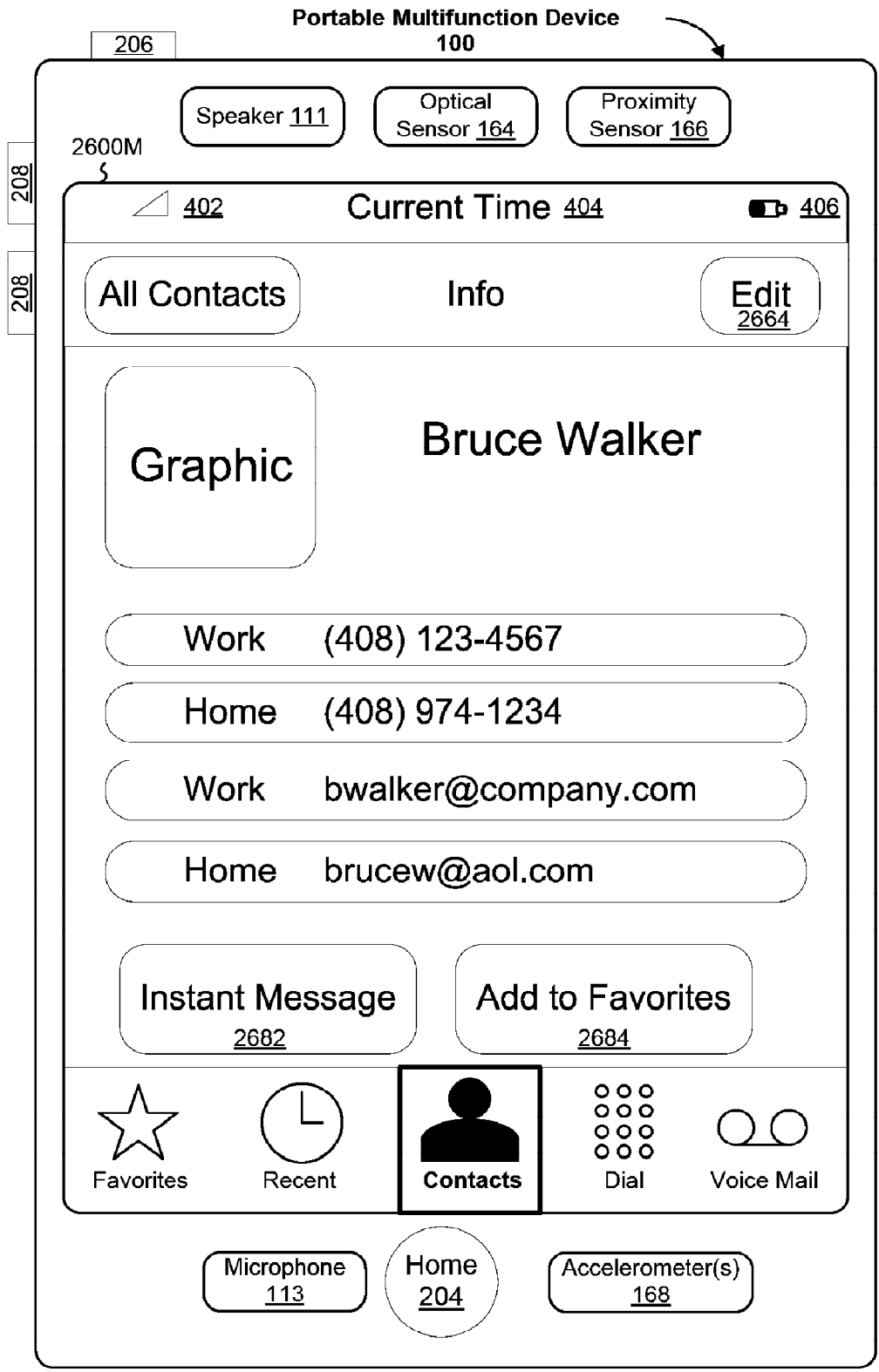


Figure 26M

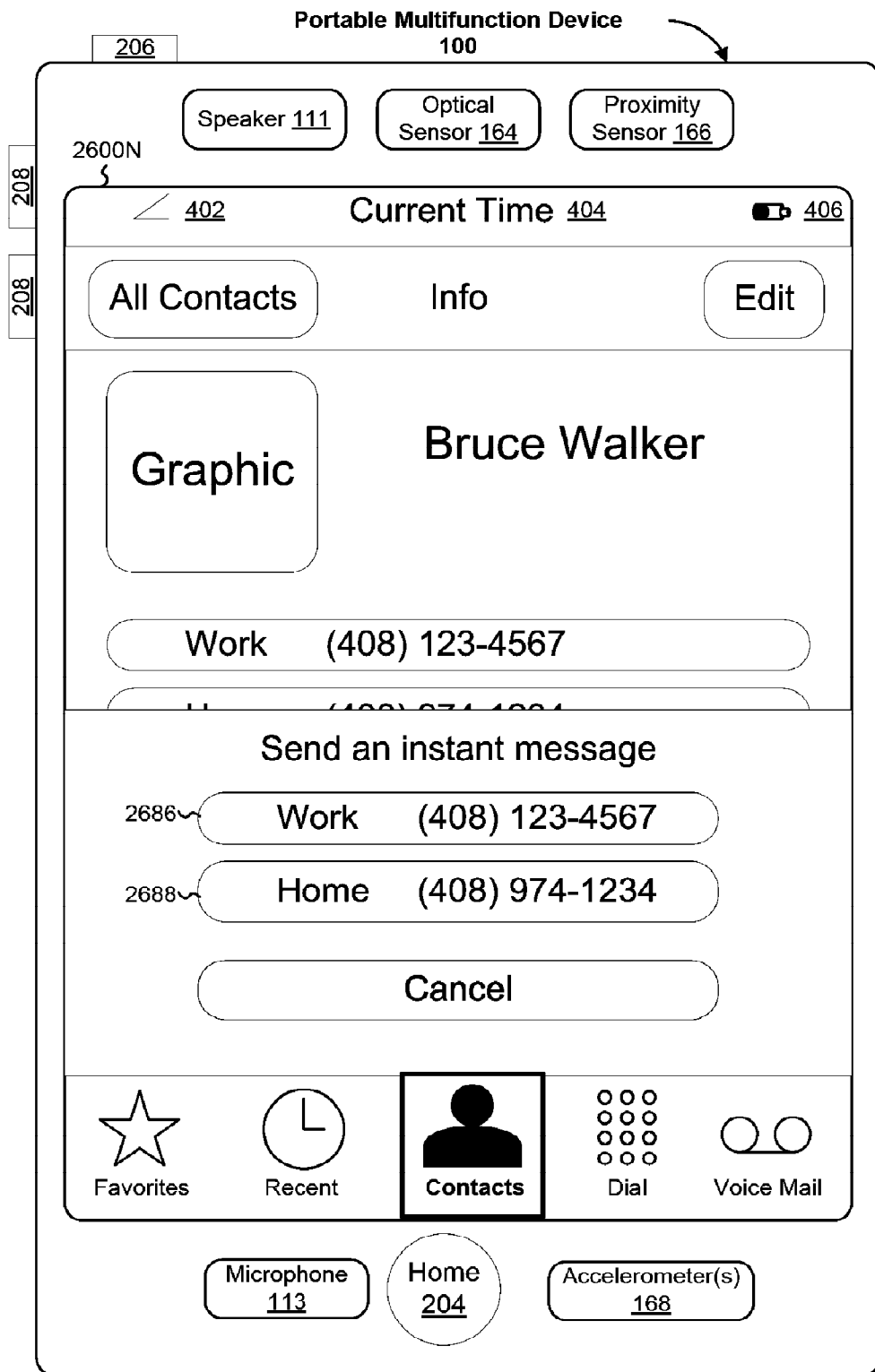


Figure 26N

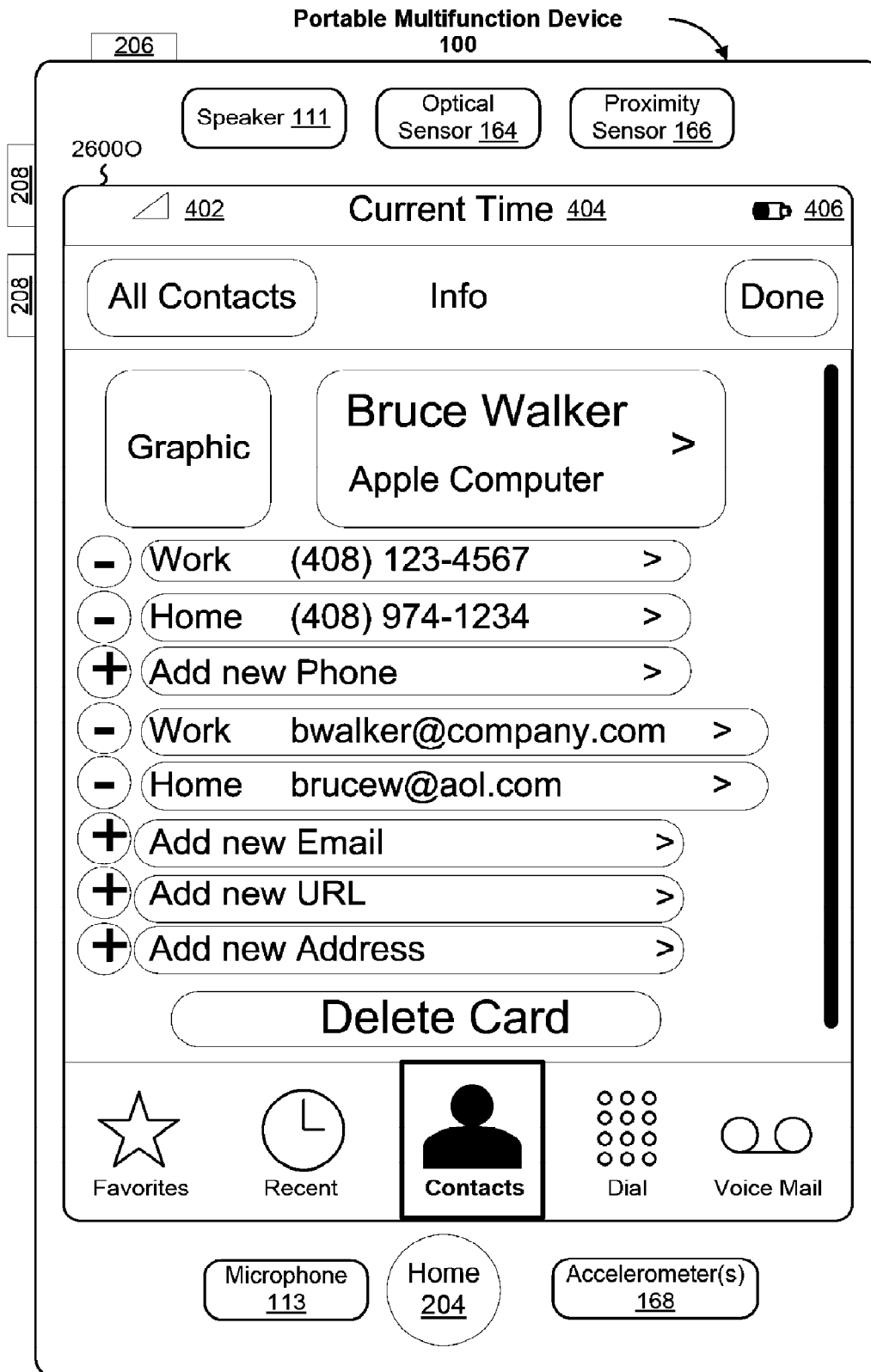


Figure 260

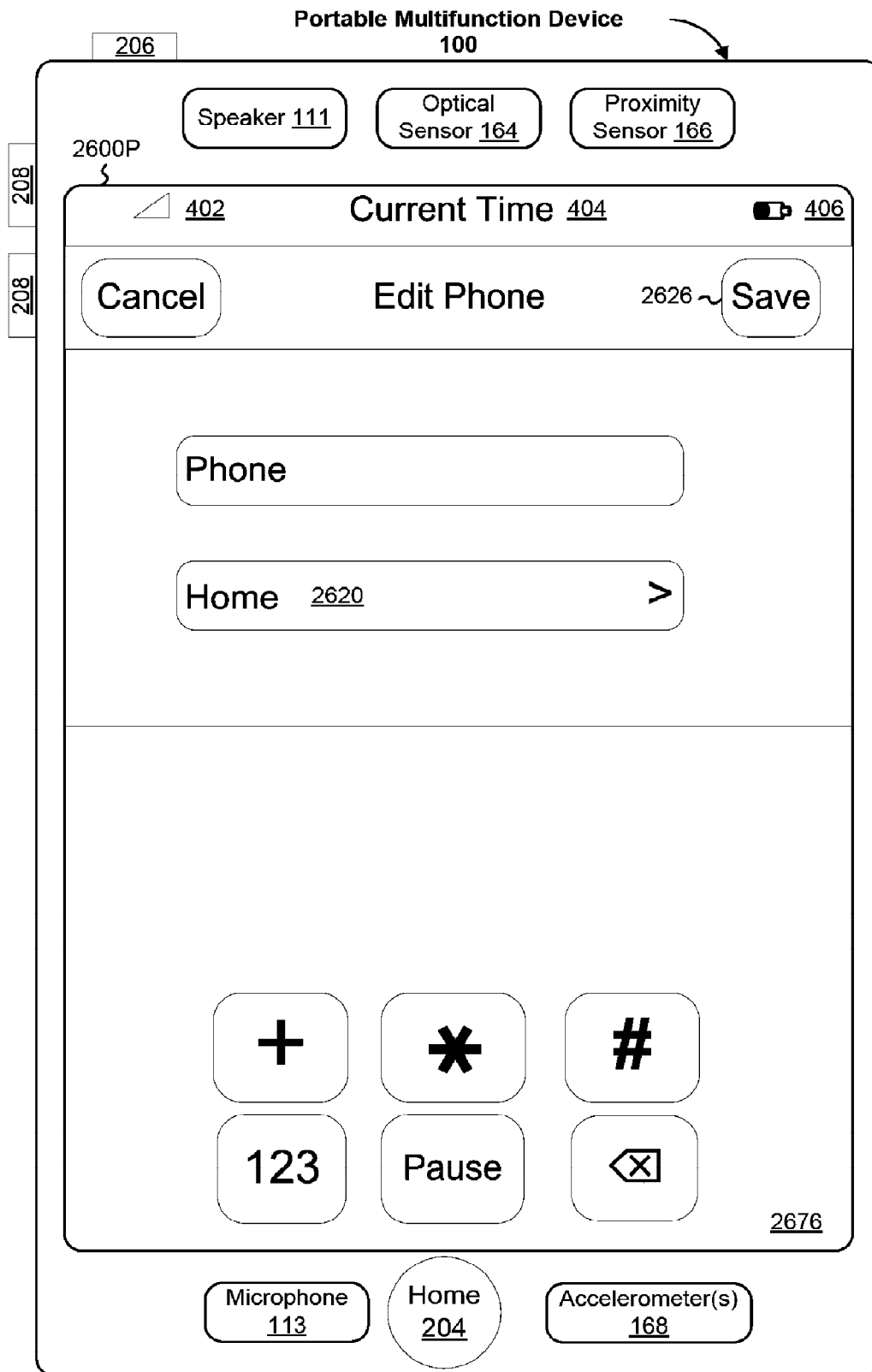


Figure 26P

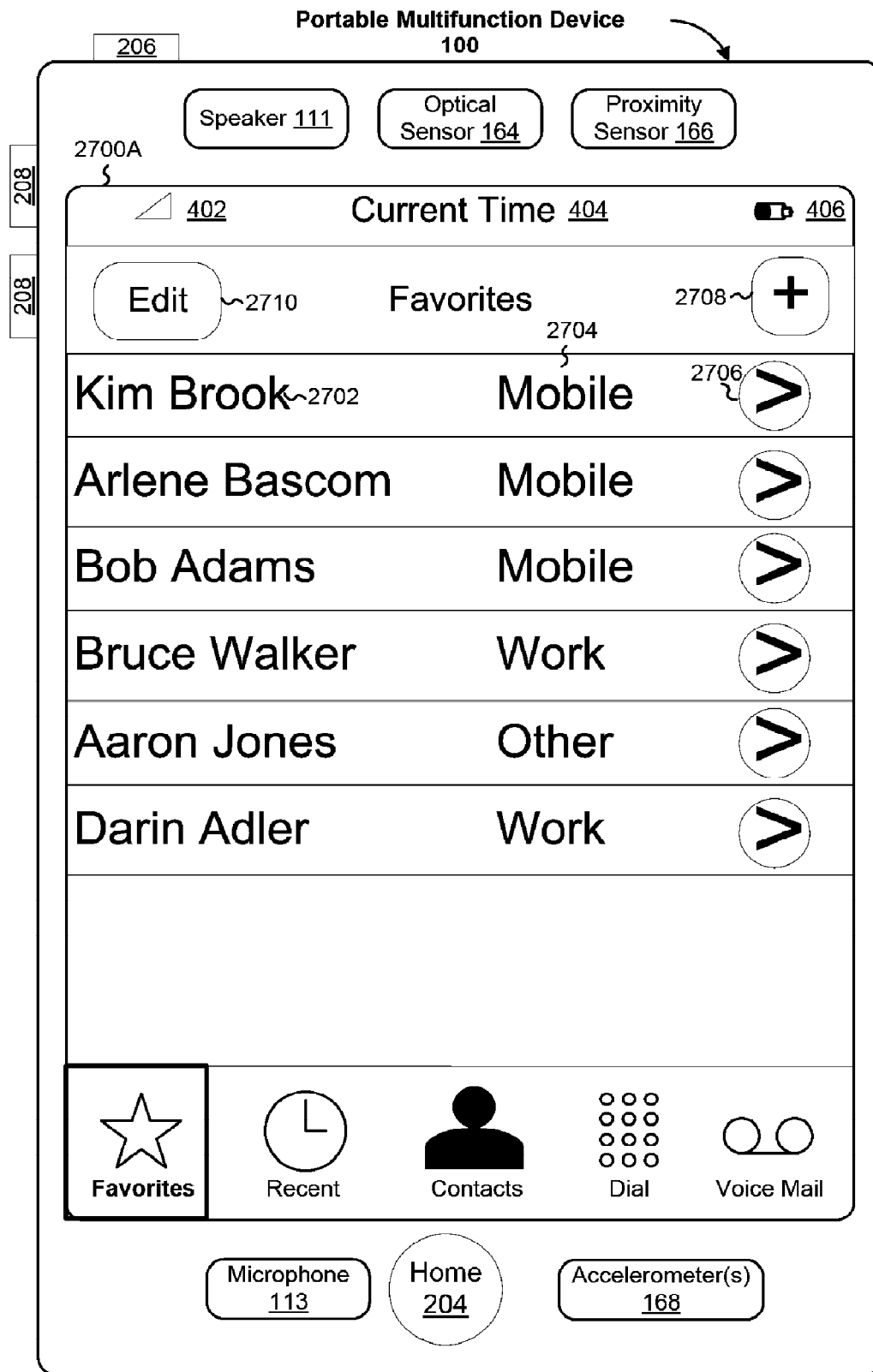


Figure 27A

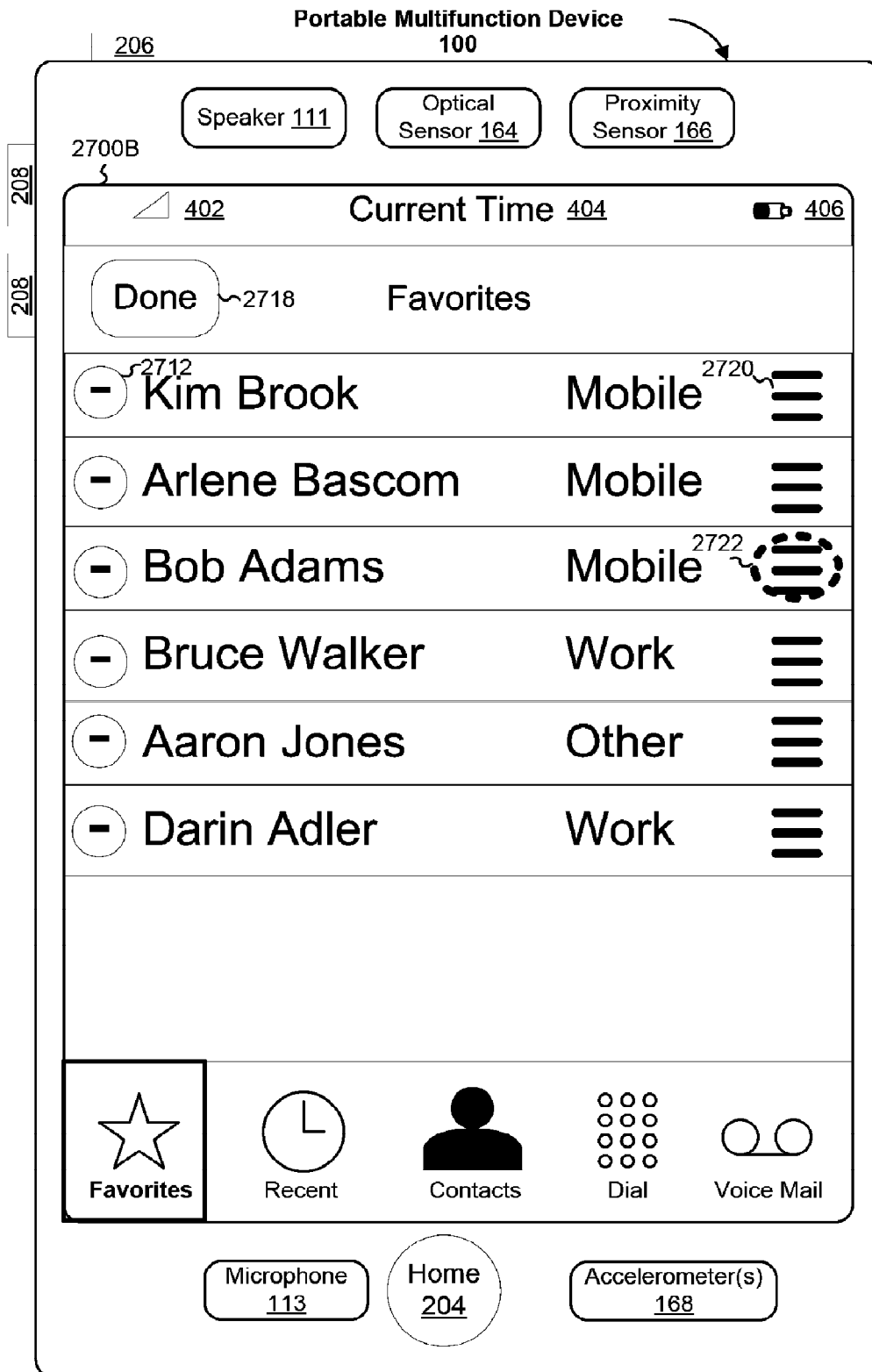


Figure 27B

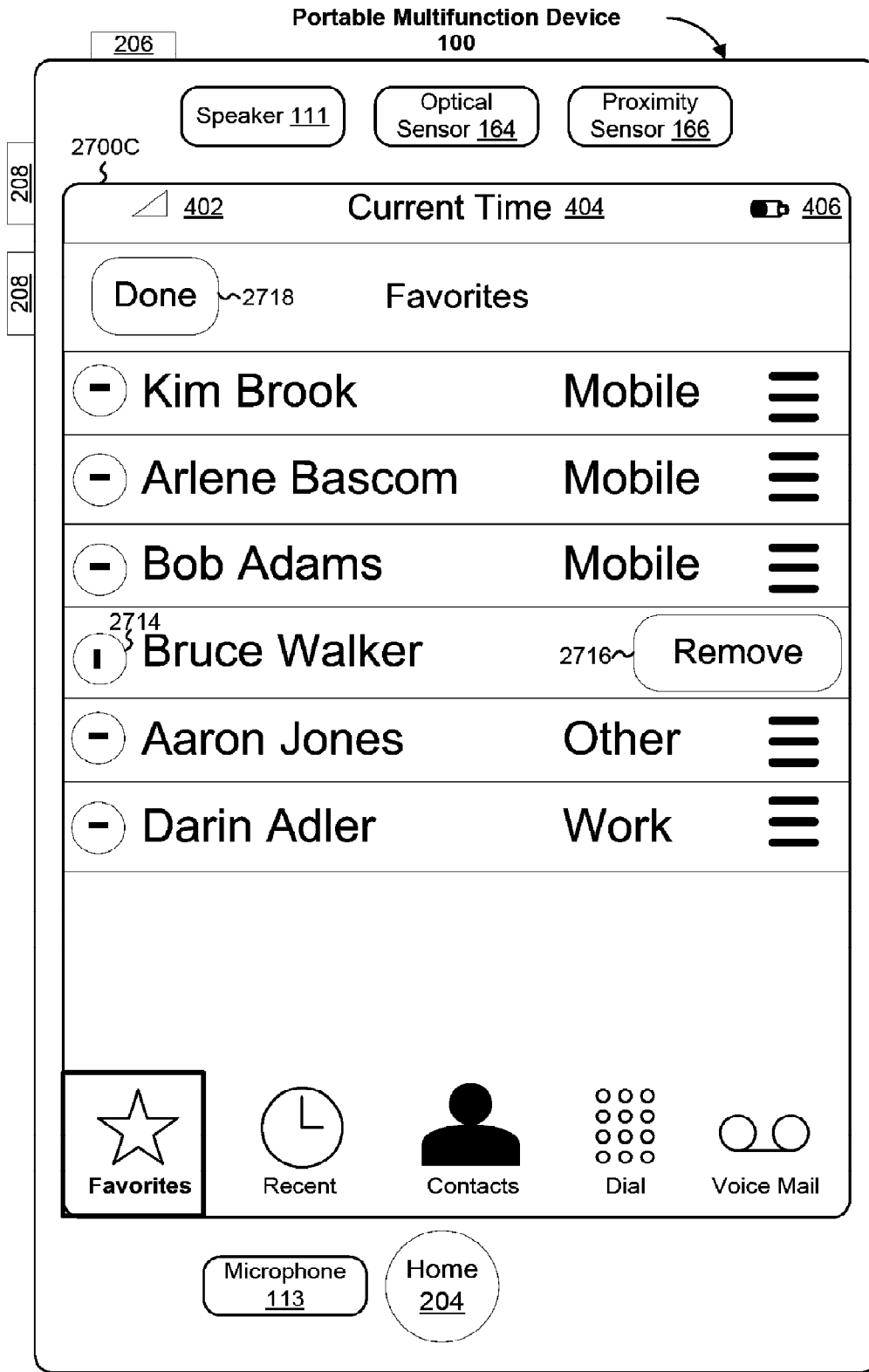


Figure 27C