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(54) **CONVERTIBLE DISPLAY**

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(58) **Field of Classification Search** 345/204, 345/168–169
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,901,222	A	*	5/1999	Macor 379/433.04
6,052,116	A	*	4/2000	Takagi 345/169
6,128,192	A	*	10/2000	Howell et al. 361/724
6,404,622	B1	*	6/2002	Chen 361/679.28
2004/0066913	A1	*	4/2004	Kennedy et al. 379/22
2007/0083691	A1	*	4/2007	Keely et al. 710/303
2008/0067842	A1	*	3/2008	Chang 297/217.3

OTHER PUBLICATIONS

"Akihabara News—4 Concept PC's from NEC at the WPC Expo 2005", http://www.akihabaranews.com/en/news-10514-

4+concept+PC%27s+from+NEC+at+the+WPC+Expo+2005.html, (Posted Oct. 26, 2004), 11 pgs.
"ATSC Standard: Digital Television Standard, Revision B, with Amendment 1", Doc. A/53B, Advanced Television Systems Committee, Washington, D.C.,(Aug. 7, 2001), 80 pgs.
"Digital Audio Broadcasting (DAB); Data Broadcasting—MPEG-2 TS Streaming", ETSI TS 102 427 V1.1.1 (Jul. 2005)—*Technical Specification*, European Broadcasting Union, (2005) , 9 pgs.
"Digital Audio Broadcasting (DAB); DMB Video Service; User Application Specification", ETSI TS 102 428 V1.1.1 (Jun. 2005)—*Technical Specification*, European Broadcasting Union, (2005), 30 pgs.
"Digital Video Broadcasting (DVB); Framing Structure, Channel Coding and Modulation for Digital Terrestrial Television", ETSI EN 300 744 V1.5.1 (Nov. 2004), European Broadcasting Union, (2004), 64 pgs.
"Digital Video Broadcasting (DVB); Transmission System for Handheld Terminals (DVB-H)", ETSI EN 302 304 V1.1.1 (Nov. 2004), (2004), 14 pgs.
"Specification of Interfaces for 625-Line Digital PAL Signals", *Tech 3280-E*, European Broadcasting Union, Apr. 1995), 18 pgs.
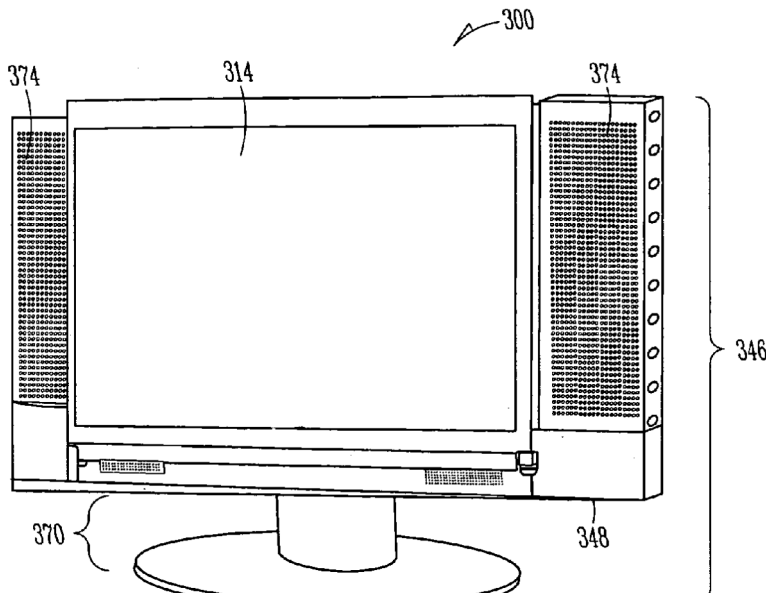
* cited by examiner

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(57) **ABSTRACT**

Apparatus and systems, as well as methods and articles, may operate to permit the exposure of a display electrically coupled to a television tuner and a computer when the display, mechanically coupled to a stand by a sliding hinge, is moved from a closed position to an open position. The computer or the display may be operated using a remote control included in the stand. When in the closed position, the stand may provide protection for the display.
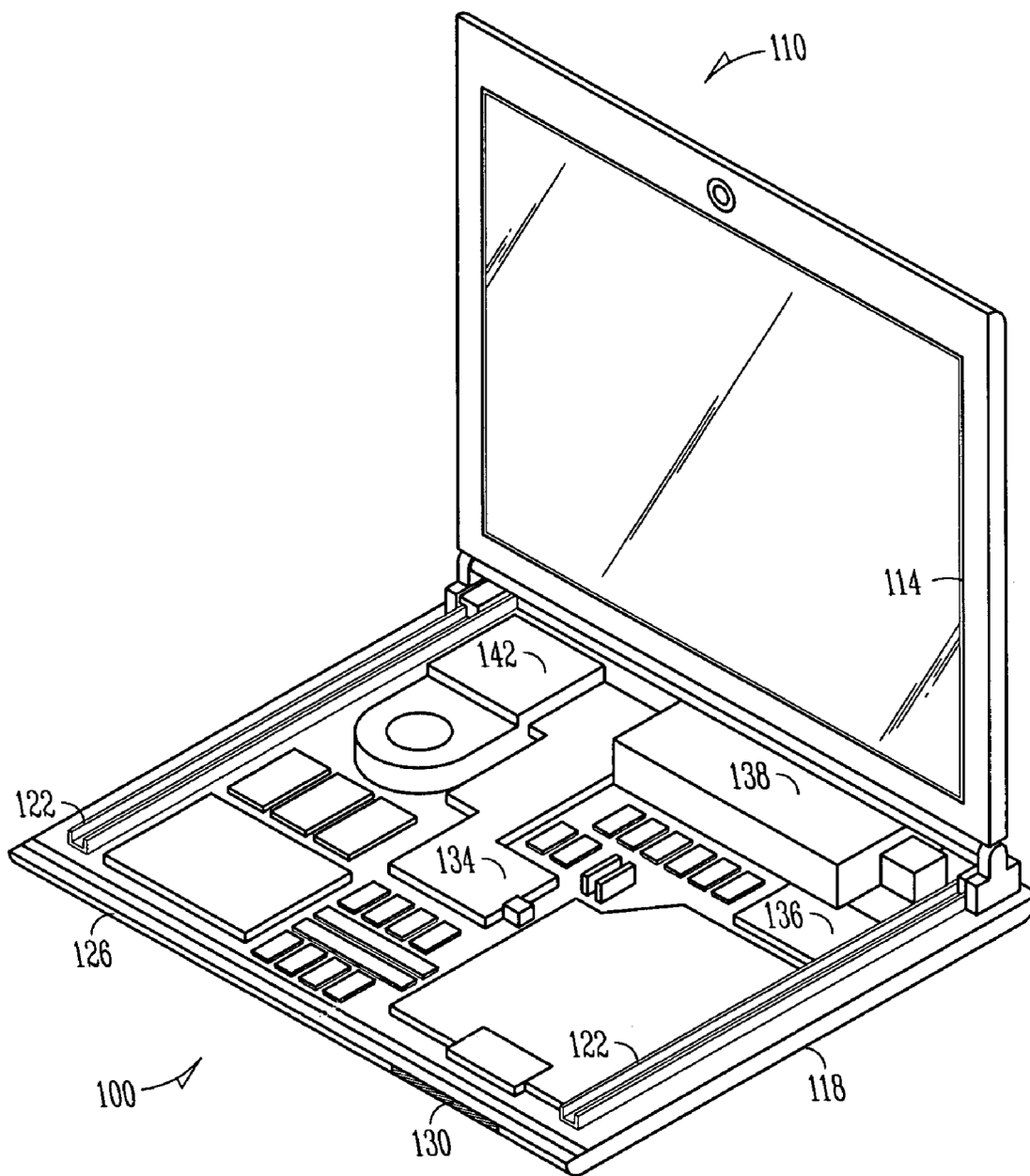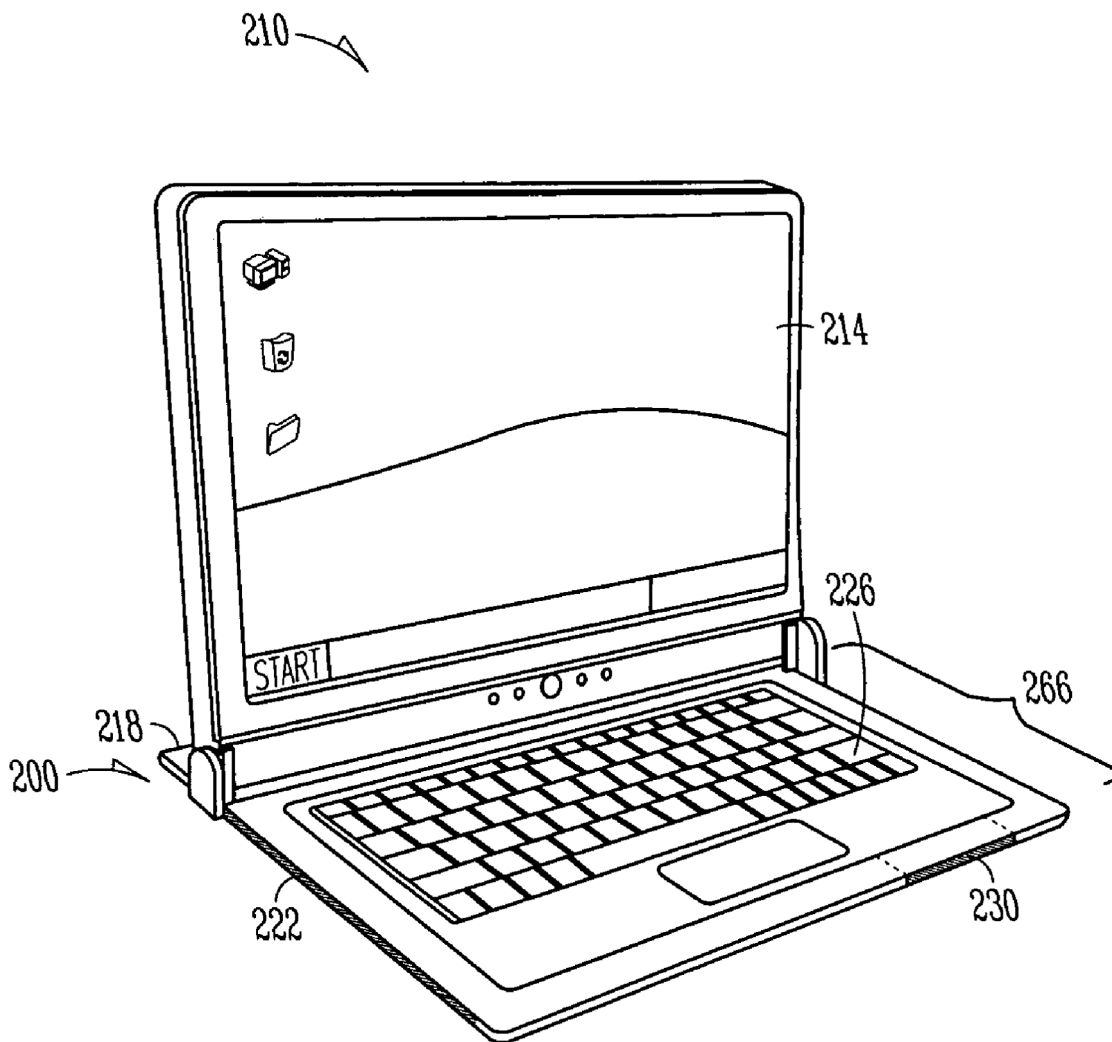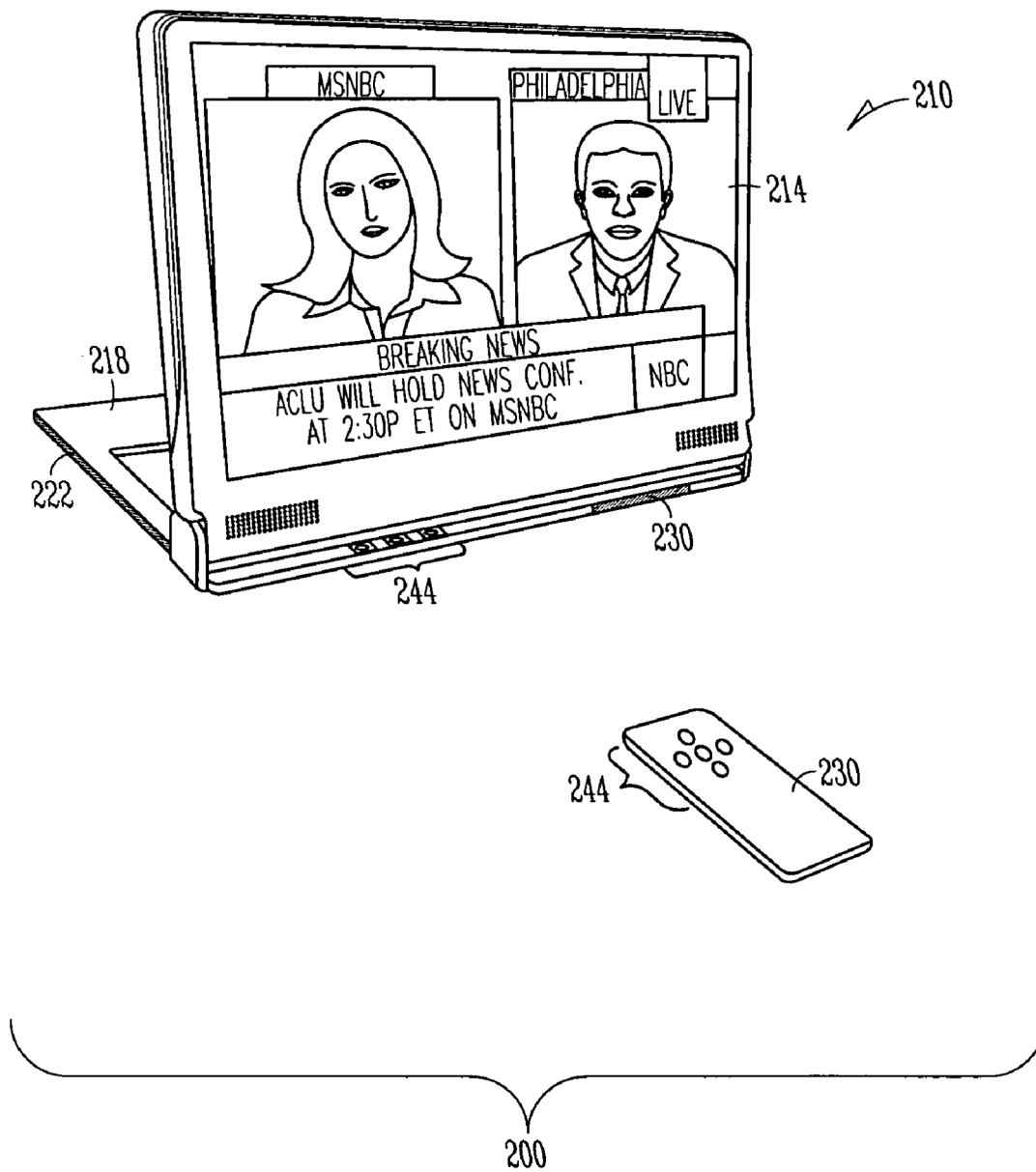
15 Claims, 10 Drawing Sheets

FIG. 1

FIG. 2A

MSNBC

PHILADELPHIA LIVE

BREAKING NEWS
ACLU WILL HOLD NEWS CONF.
AT 2:30P ET ON MSNBC

NBC

210

214

218

222

230

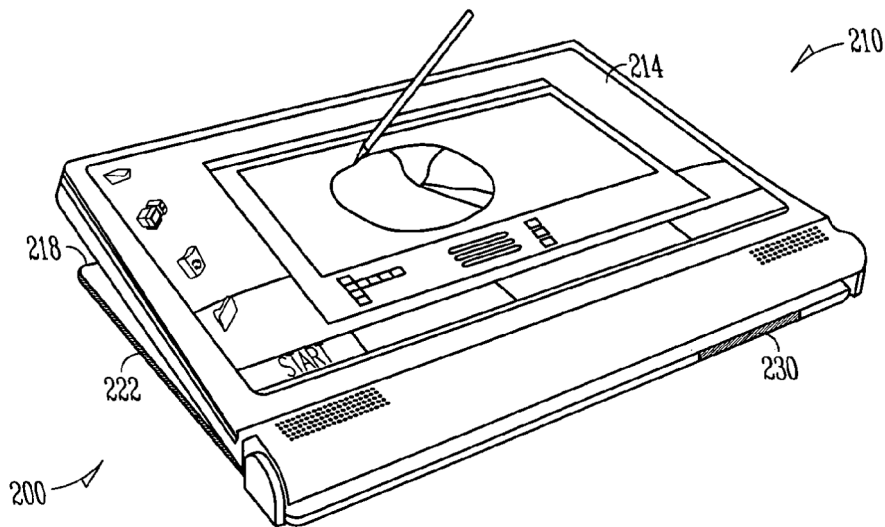244

244   230

200

FIG. 2B

FIG. 2C

FIG. 2D

DOCKET ALARM
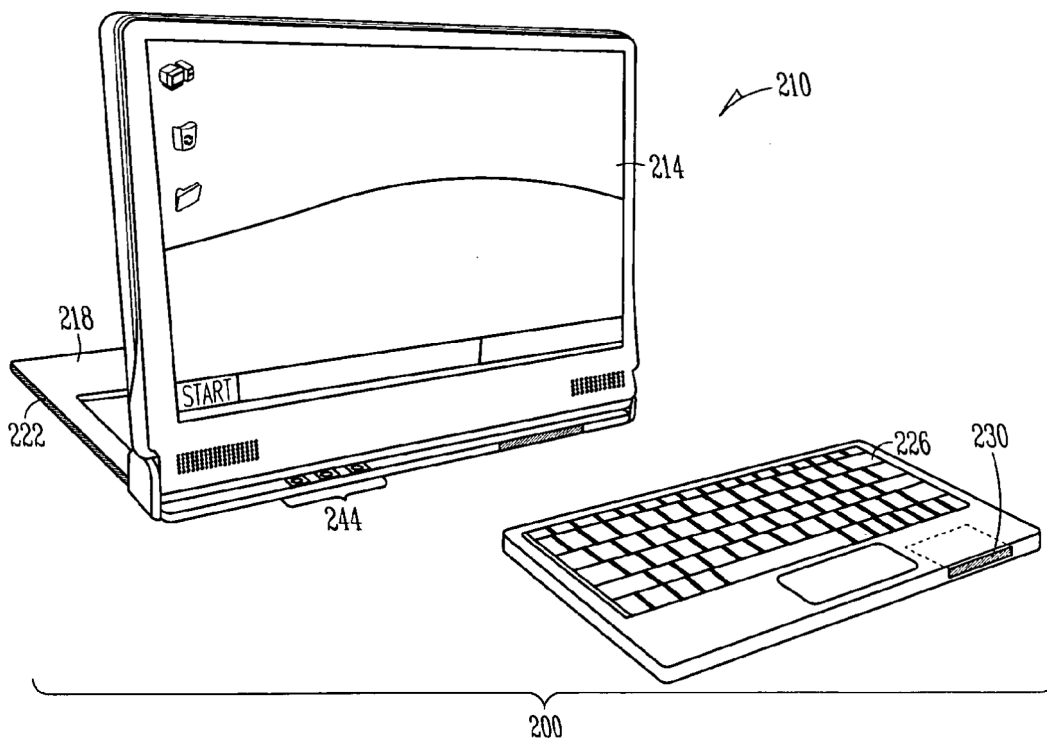
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