

(12) United States Patent Mayfield et al.

(54) SYSTEM COMPRISING A PORTABLE SWITCHING DEVICE FOR USE WITH A PORTABLE ELECTRONIC DEVICE

(71) Applicant: GUI GLOBAL PRODUCTS, LTD.,

Houston, TX (US)

(72) Inventors: Walter G. Mayfield, Houston, TX

(US); Daniel Martin Valdez,

Kingwood, TX (US)

Assignee: GUI GLOBAL PRODUCTS, LTD.,

Houston, TX (US)

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Related U.S. Application Data

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	G06F 1/16	(2006.01)
	H05K 5/00	(2006.01)
	H05K 7/00	(2006.01)
	B08B 1/00	(2006.01)
	A45C 11/00	(2006.01)
	G06F 1/32	(2019.01)
	B08B 11/04	(2006.01)
	H04M 1/21	(2006.01)
	H04M 1/02	(2006.01)
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(2013.01); H04B 1/3816 (2013.01); H04M 1/0266 (2013.01)

(58) Field of Classification Search

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B08B 1/006

See application file for complete search history.

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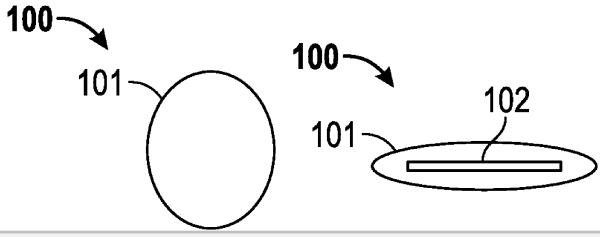
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Primary Examiner — Anthony M Haughton (74) Attorney, Agent, or Firm — Mossman, Kumar & Tyler, PC

ABSTRACT (57)

A lens and/or a view screen of an electronic device having at least one case can be cleaned by wiping the view screen with a cleaning component wherein the cleaning component is configured to selectively couple to the at least one case or some other substrate using a magnetic attractive force. The cleaning devices may have secondary applications such as securing fly fishing lures, activating or deactivating a device having a magnetic switch, or preventing sunglasses from sinking. They may also be manufactured without a cleaning component for use with the secondary applications.

13 Claims, 13 Drawing Sheets





Related U.S. Application Data

16/041,594, filed on Jul. 20, 2018, now Pat. No. 10,272,474, which is a continuation of application No. 15/852,000, filed on Dec. 22, 2017, now Pat. No. 10,259,021, which is a continuation of application No. 15/597,005, filed on May 16, 2017, now abandoned, which is a continuation of application No. 14/343,665, filed as application No. PCT/US2012/049562 on Aug. 3, 2012, now abandoned.

(60) Provisional application No. 61/661,090, filed on Jun. 18, 2012, provisional application No. 61/619,229, filed on Apr. 2, 2012, provisional application No. 61/592,344, filed on Jan. 30, 2012, provisional application No. 61/576,834, filed on Dec. 16, 2011, provisional application No. 61/569,093, filed on Dec. 9, 2011, provisional application No. 61/568,031, filed on Dec. 7, 2011, provisional application No. 61/561,087, filed on Nov. 17, 2011, provisional

application No. 61/555,310, filed on Nov. 3, 2011, provisional application No. 61/515,752, filed on Aug. 5, 2011.

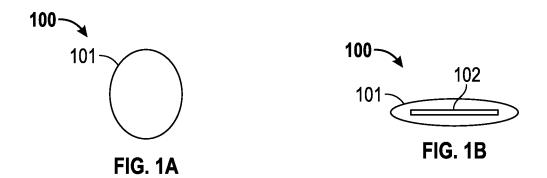
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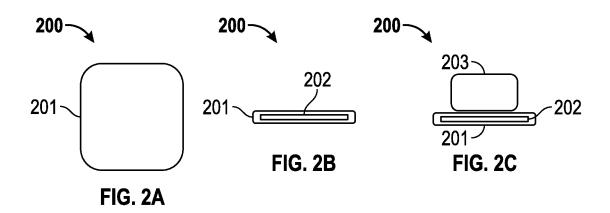
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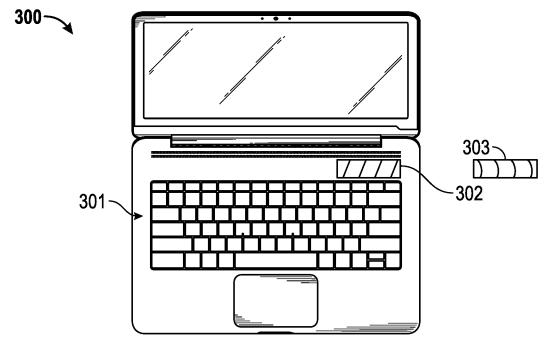
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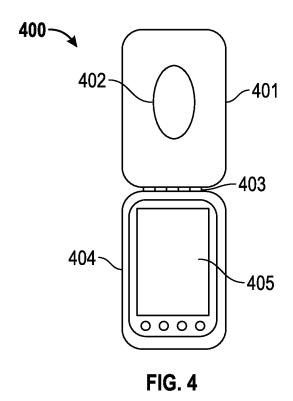


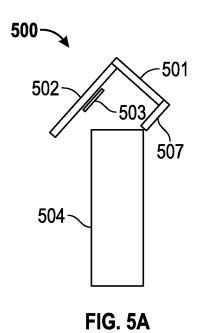


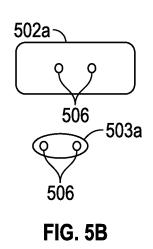












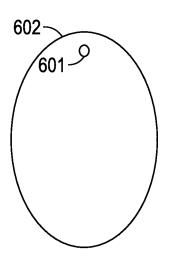


FIG. 6

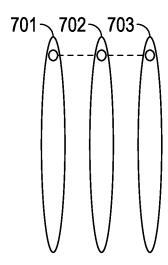


FIG. 7

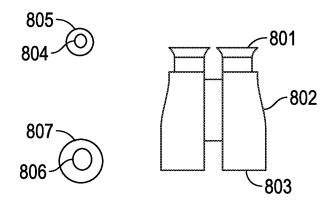


FIG. 8

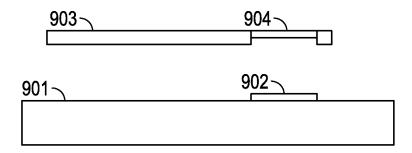


FIG. 9



DOCKET

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