



US010562077B2

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

(10) **Patent No.:** **US 10,562,077 B2**
(45) **Date of Patent:** **Feb. 18, 2020**

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

B08B 11/04 (2006.01)
H04M 1/21 (2006.01)
(Continued)

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(52) **U.S. CL.**
CPC *B08B 1/006* (2013.01); *A45C 11/00*
(2013.01); *B08B 1/002* (2013.01); *B08B 11/04*
(2013.01); *G06F 1/32* (2013.01); *H04M 1/21*
(2013.01); *H04B 1/3816* (2013.01); *H04M*
1/0266 (2013.01)

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

(58) **Field of Classification Search**
CPC . G06F 1/32; G06F 1/16; G06F 1/1601; G06F
1/1603; G06F 1/1605; G06F 1/1607;
G06F 1/1609; G06F 1/1611; B08B 1/006;
B08B 1/002
USPC 361/679.01, 679.02
See application file for complete search history.

(73) Assignee: **GUI GLOBAL PRODUCTS, LTD.**,
Houston, TX (US)

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

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(21) Appl. No.: **16/460,770**

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(22) Filed: **Jul. 2, 2019**

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224/269

(65) **Prior Publication Data**
US 2019/0321863 A1 Oct. 24, 2019

(Continued)

Related U.S. Application Data

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(74) *Attorney, Agent, or Firm* — Mossman, Kumar &
Tyler, PC

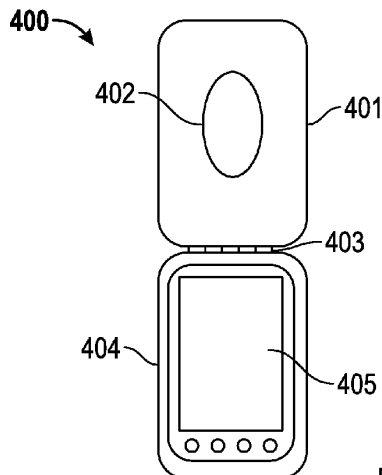
(63) Continuation of application No. 16/388,691, filed on
Apr. 18, 2019, now abandoned, which is a
continuation of application No. 16/041,594, filed on
Jul. 20, 2018, now Pat. No. 10,272,474, which is a
continuation of application No. 15/852,000, filed on
(Continued)

(57) **ABSTRACT**

(51) **Int. Cl.**
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)

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



Samsung v. GUI
IPR2021-00337
Exhibit 1001

Related U.S. Application Data

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.

- (51) **Int. Cl.**
H04B 1/3816 (2015.01)
H04M 1/02 (2006.01)

- (56) **References Cited**

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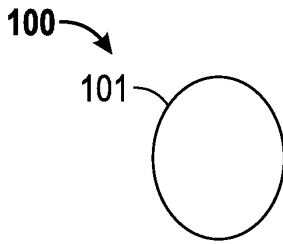


FIG. 1A

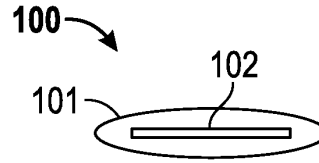


FIG. 1B

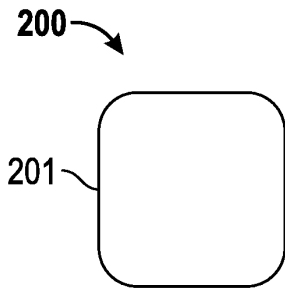


FIG. 2A

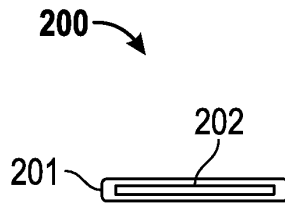


FIG. 2B

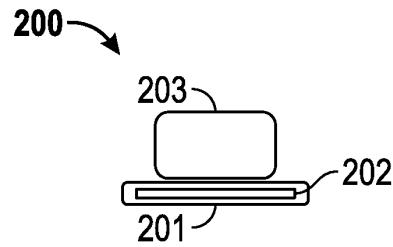


FIG. 2C

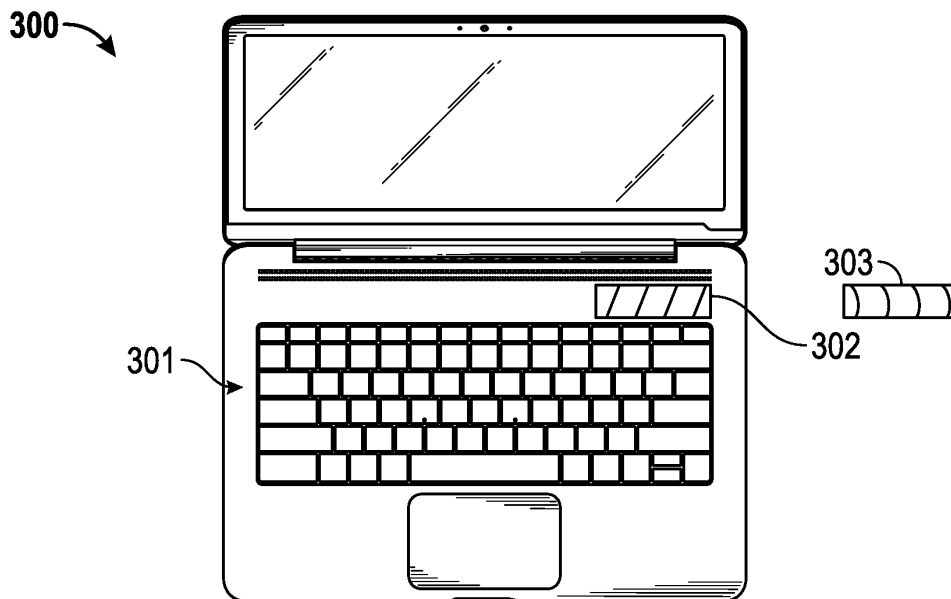


FIG. 3

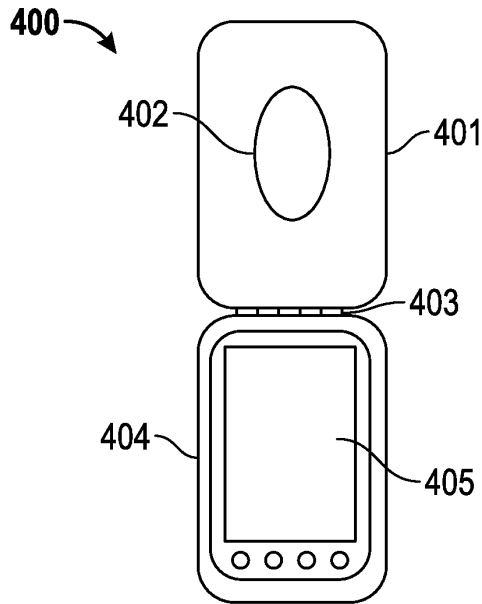


FIG. 4

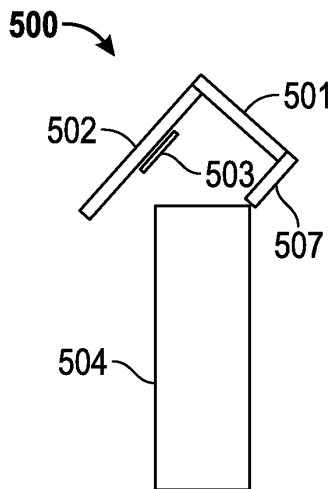


FIG. 5A

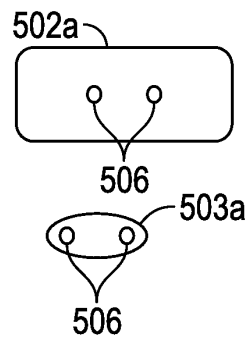


FIG. 5B

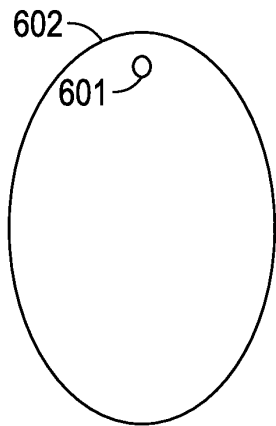


FIG. 6

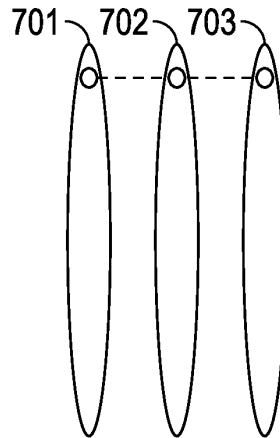


FIG. 7

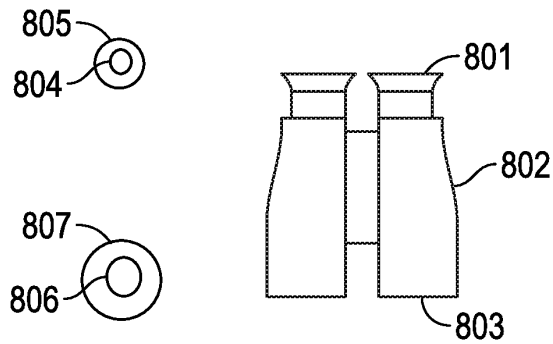


FIG. 8

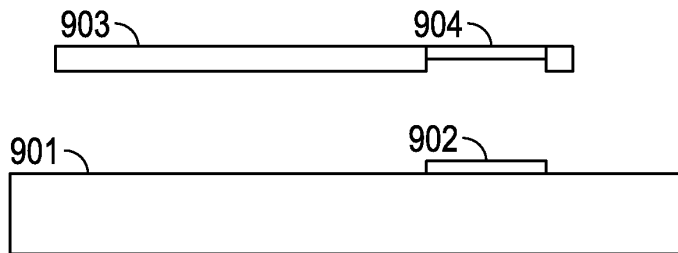


FIG. 9

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