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Mayfield et al.

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(54) **APPARATUS FOR CLEANING VIEW SCREENS AND LENSES AND METHOD FOR THE USE THEREOF**

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(73) Assignee: **GUI Global Products, LTD.**, Houston, TX (US)

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(65) **Prior Publication Data**

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Related U.S. Application Data

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(Continued)

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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)

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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)

(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.

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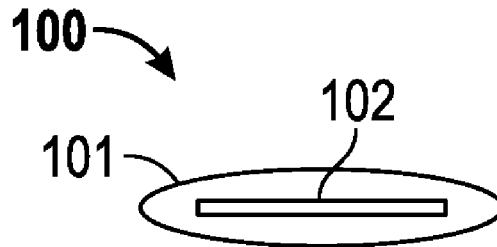
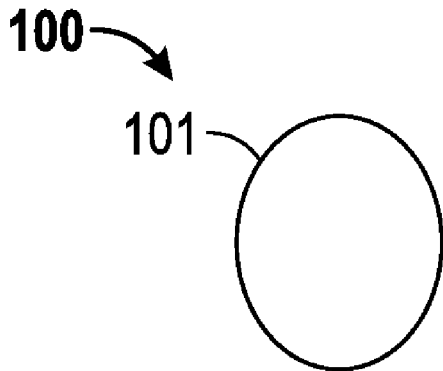
Primary Examiner — Anthony M Haughton

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(57) **ABSTRACT**

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.

19 Claims, 13 Drawing Sheets



Related U.S. Application Data

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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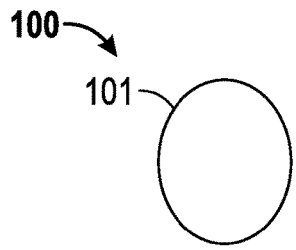


FIG. 1A

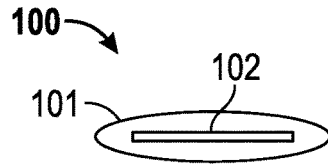


FIG. 1B

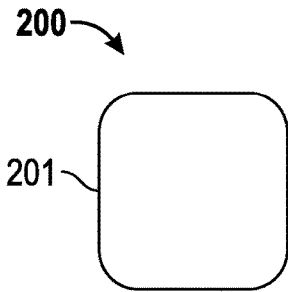


FIG. 2A

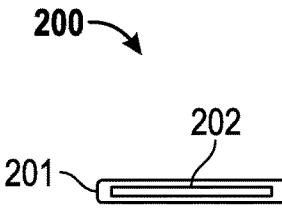


FIG. 2B

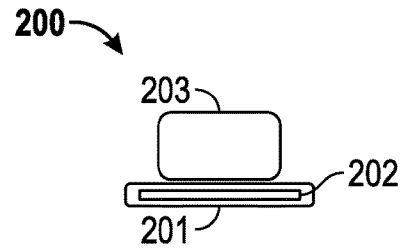


FIG. 2C

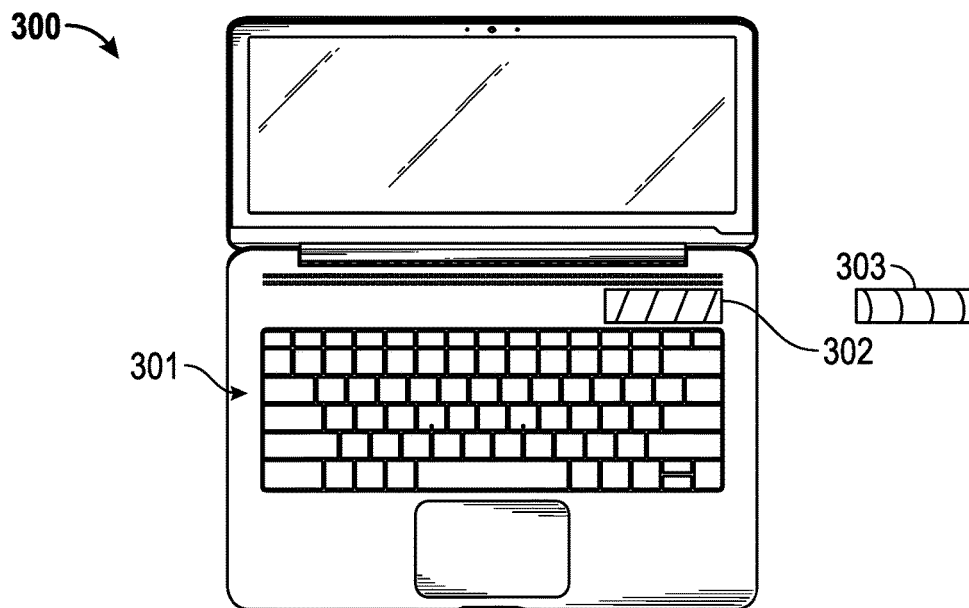


FIG. 3

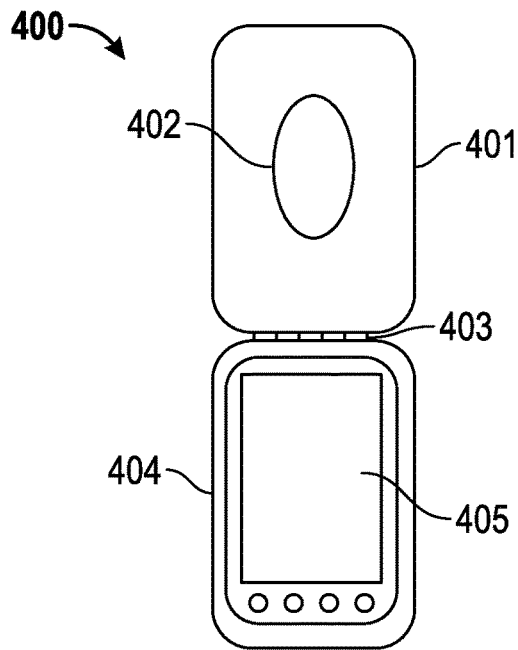


FIG. 4

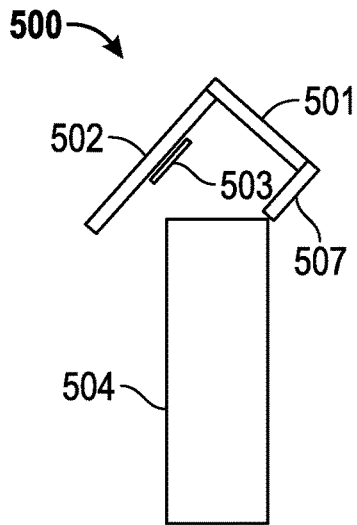


FIG. 5A

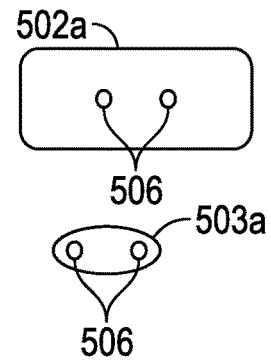


FIG. 5B

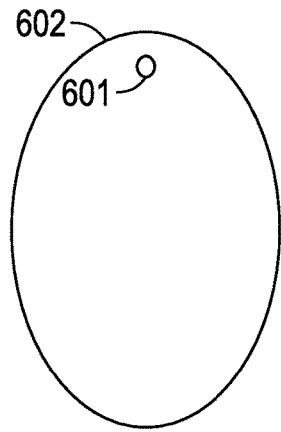


FIG. 6

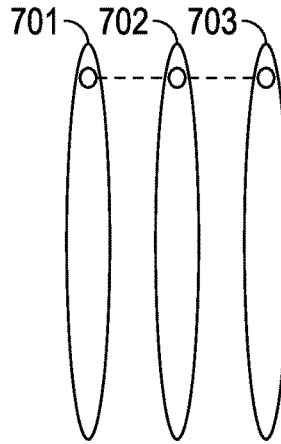


FIG. 7

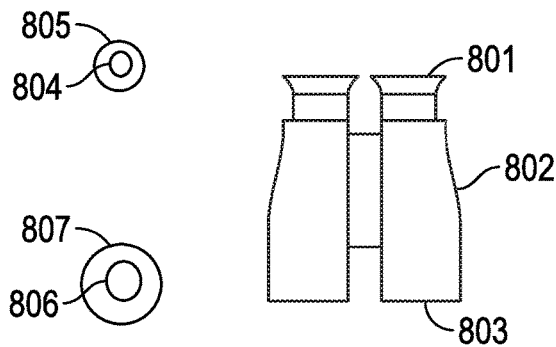


FIG. 8

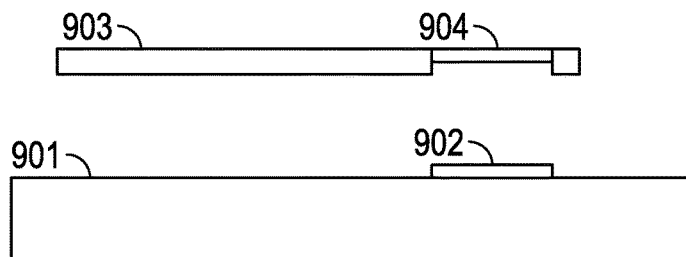


FIG. 9

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