

US010259021B2

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

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

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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.

(21) Appl. No.: 15/852,000

(22) Filed: Dec. 22, 2017

(65) Prior Publication Data

US 2018/0117636 A1 May 3, 2018

#### Related U.S. Application Data

(63) Continuation of application No. 15/597,005, filed on May 16, 2017, now abandoned, which is a (Continued)

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

(10) Patent No.: US 10,259,021 B2 (45) Date of Patent: Apr. 16, 2019

(52) U.S. Cl.

(58) Field of Classification Search

#### (56) References Cited

### U.S. PATENT DOCUMENTS

2005/0107131 A1*	5/2005	Abramov H04M 1/0258
		455/569.1
2005/0284904 A1*	12/2005	Knapp A45F 5/02
		224/269

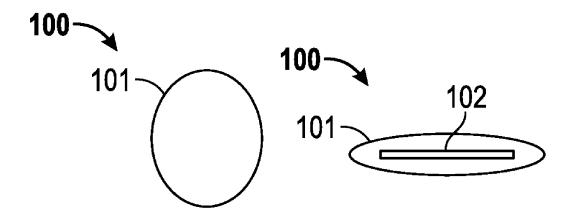
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### (57) ABSTRACT

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





Samsung v. GUI IPR2021-00336 Exhibit 1001

### 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. 61/555,310, filed on Nov. 3, 2011, provisional application No. 61/515,752, filed on Aug. 5, 2011.
- (51) **Int. Cl.**  *H04B 1/3816 H04M 1/02*
- (56) References Cited

### U.S. PATENT DOCUMENTS

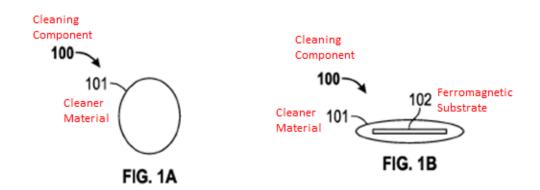
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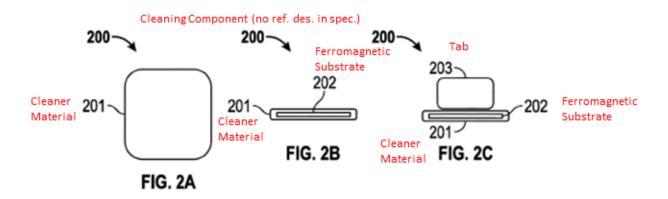
(2006.01)

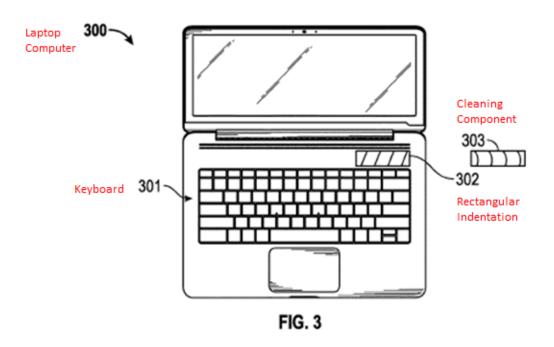
2008/0103637 A1*	5/2008	Bliven F16B 2/20
		701/1
2010/0011524 A1*	1/2010	Roeback B08B 1/00
2011/0102957 A1*	9/2011	15/105 Rothbaum B25F 1/00
2011/019283/ A1	8/2011	220/694

\* cited by examiner

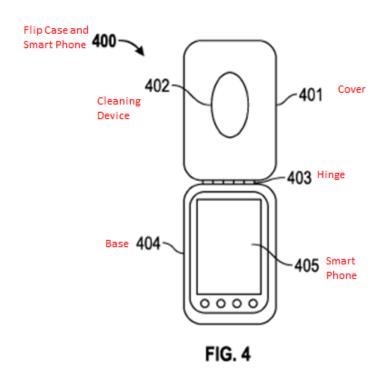


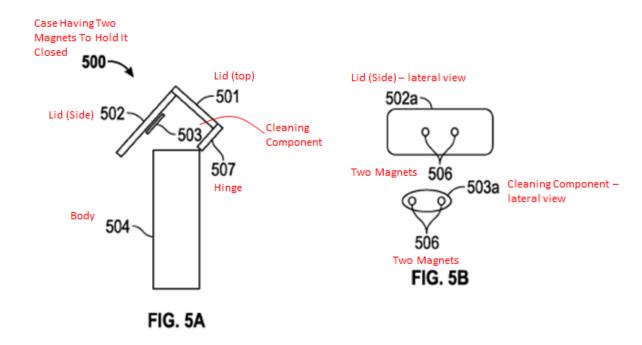


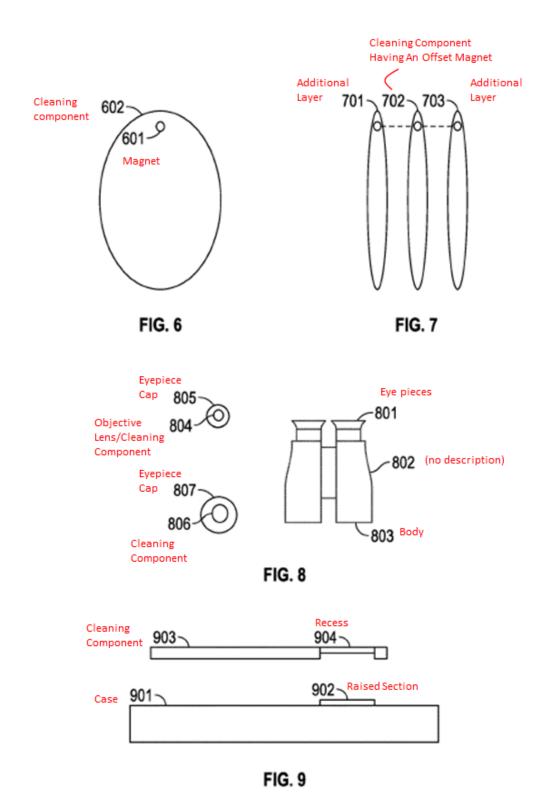












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