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(12) **United States Design Patent**
Tussy

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(54) **DISPLAY SCREEN OR PORTION THEREOF
WITH ANIMATED GRAPHICAL USER
INTERFACE**

FOREIGN PATENT DOCUMENTS

CA	3075573	1/2013
CN	103593594	2/2014

(Continued)

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(**) Term: **15 Years**

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(52) **U.S. Cl.**
USPC **D14/485**

(58) **Field of Classification Search**
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See application file for complete search history.

OTHER PUBLICATIONS

Optical Illusions—Animated GIF & JPG, dated Oct. 28, 2013, plus.google.com [online]. Retrieved Jun. 19, 2017 from internet <URL:https://plus.google.com/+Whak-Off/postd/CX4YhzXSQy2> (Year: 2013).*

(Continued)

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(57) **CLAIM**

The ornamental design for a display screen or portion thereof with animated graphical user interface, as shown and described.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,031,228	A	7/1991	Lu
5,699,449	A	12/1997	Javidi
5,781,650	A	7/1998	Lobo et al.
5,784,056	A	7/1998	Nielsen
5,835,616	A	11/1998	Lobo et al.
5,842,194	A	11/1998	Arbuckle
5,850,470	A	12/1998	Kung et al.
5,956,122	A	9/1999	Doster
5,982,912	A	11/1999	Fukui et al.
6,134,339	A	10/2000	Luo
6,173,068	B1	1/2001	Prokoski
6,212,030	B1	4/2001	Koriyama et al.

(Continued)

DESCRIPTION

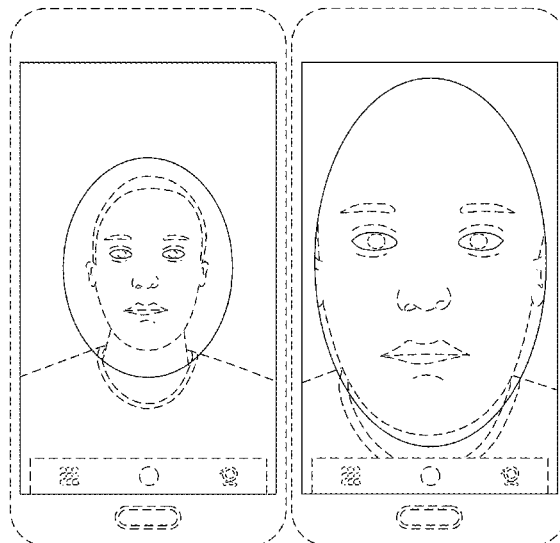
FIG. 1 is a first image in a sequence for a display screen or portion thereof with animated graphical user interface showing a first embodiment of my new design.

FIG. 2 is a second image in a sequence of the first embodiment; and,

FIG. 3 is a third image in a sequence of the first embodiment. The broken lines indicate unclaimed portions of the article and form no part of the claimed design.

The subject matter in this patent includes a process or period in which an image changes into another image. This process or period forms no part of the claimed design.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,246,779 B1	6/2001	Fukui et al.	D726,221 S	4/2015	Gomez	
6,301,370 B1	10/2001	Steffens et al.	D728,623 S	5/2015	Lim	
6,310,601 B1	10/2001	Moore et al.	D730,389 S	5/2015	Izotov	
6,389,176 B1	5/2002	Hsu et al.	9,037,354 B2	5/2015	Mondragon	
6,461,807 B1	10/2002	Friend et al.	D730,941 S	6/2015	Marianek	
6,678,664 B1	1/2004	Ganesan	D731,552 S	6/2015	Seo	
6,687,390 B2	2/2004	Avni	D733,755 S	7/2015	Kadosh	
6,697,502 B2	2/2004	Luo	9,075,975 B2	7/2015	Bud	
6,728,401 B1	4/2004	Hardeberg	9,076,008 B1	7/2015	Moy	
6,775,397 B1	8/2004	Hamalainen	9,076,028 B2	7/2015	Summers	
6,840,149 B2	1/2005	Beal	D736,812 S	8/2015	Yoo	
6,961,361 B1	11/2005	Tanaka	D737,325 S	8/2015	Kim	
7,003,135 B2	2/2006	Hsieh et al.	D738,921 S	9/2015	Lim	
7,211,138 B2	5/2007	Yamamoto e et al.	9,137,246 B2	9/2015	Parry et al.	
7,218,774 B2	5/2007	Liu	D740,833 S	10/2015	Bae	
7,231,657 B2	6/2007	Honarvar	9,152,849 B2	10/2015	Ganong et al.	
7,289,648 B2	10/2007	Liu	D742,417 S	11/2015	Brunner	
7,308,581 B1	12/2007	Geosimonian	D745,567 S	12/2015	Park	
7,333,963 B2	2/2008	Widrow et al.	9,202,105 B1	12/2015	Wang et al.	
7,415,152 B2	8/2008	Jiang et al.	9,209,355 B2	12/2015	Senda et al.	
7,428,320 B2	9/2008	Northcott et al.	D746,857 S *	1/2016	Rayit	D14/488
7,460,916 B2	12/2008	Batruni	D747,354 S	1/2016	Park	
7,519,200 B2	4/2009	Gokturk et al.	9,286,507 B2	3/2016	Shuster	
D596,192 S	7/2009	Shotel	D753,132 S	4/2016	Cuthbert	
D601,582 S	10/2009	Chaudhri	D756,401 S *	5/2016	Soldner	D14/488
7,636,450 B1	12/2009	Bourdev	D762,655 S	8/2016	Kai	
7,646,909 B2	1/2010	Jiang et al.	D762,673 S	8/2016	Seo	
7,660,444 B2	2/2010	Hamalainen	D762,715 S	8/2016	Williamson	
7,710,693 B2	5/2010	Guzman-Casillas et al.	D763,271 S	8/2016	Everette	
7,788,247 B2	8/2010	Wang et al.	D763,308 S *	8/2016	Wang	D14/488
7,804,982 B2	9/2010	Howard et al.	9,424,491 B1	8/2016	Kirkham	
D625,325 S	10/2010	Vu	9,430,695 B2	8/2016	Summers	
7,809,722 B2	10/2010	Gokturk et al.	D765,674 S *	9/2016	Kim	D14/485
7,945,653 B2	5/2011	Zuckerberg et al.	D769,933 S	10/2016	Sabia	
D640,277 S	6/2011	Woo	9,459,132 B2	10/2016	Fehrenbach et al.	
7,960,470 B2	6/2011	Okahira	D776,680 S	1/2017	Bae	
D650,793 S	12/2011	Impas	D776,695 S *	1/2017	Yu	D14/486
8,121,408 B2	2/2012	Omori	D778,923 S *	2/2017	Zhou	D14/485
8,165,352 B1	4/2012	Mohanty et al.	D778,940 S	2/2017	Williamson	
8,200,980 B1	6/2012	Robinson et al.	D780,216 S *	2/2017	Kisselev	D14/488
8,210,247 B2	7/2012	Blomgren	D780,781 S	3/2017	Ding	
8,244,211 B2	8/2012	Clark	9,600,649 B2	3/2017	Parry et al.	
D667,423 S	9/2012	Nagamine	9,607,138 B1	3/2017	Baldwin	
8,280,120 B2	10/2012	Hoyos et al.	D783,633 S	4/2017	Oh	
8,316,237 B1	11/2012	Felsher et al.	D783,652 S *	4/2017	Guan	D14/486
8,326,000 B2	12/2012	Jung et al.	D784,363 S	4/2017	Fleming	
8,355,528 B2	1/2013	Bladel et al.	9,621,548 B2	4/2017	Bud	
8,392,268 B2	3/2013	Smith et al.	D787,527 S	5/2017	Wilberding	
8,396,246 B2	3/2013	Anbalagan et al.	D788,122 S	5/2017	Tada	
8,411,909 B1	4/2013	Zhao et al.	D788,810 S	6/2017	Kim	
8,416,312 B2	4/2013	Matsunaga	D791,158 S	7/2017	Shiino	
8,460,024 B2	6/2013	Damodharan et al.	9,708,909 B2	7/2017	Atkinson et al.	
D691,171 S *	10/2013	Brinda	9,740,848 B2	8/2017	Parry et al.	
D692,018 S	10/2013	Wenz	D798,321 S	9/2017	Lieb	
8,649,604 B2	2/2014	Steinberg et al.	D798,902 S	10/2017	Choi	
D702,714 S	4/2014	Abratowski	D799,544 S *	10/2017	Kim	D14/492
D703,693 S *	4/2014	Brinda	D803,870 S	11/2017	Landry	
8,709,801 B2	4/2014	Pan et al.	D805,546 S	12/2017	Wu	
8,722,977 B2	5/2014	Bezos	D805,548 S	12/2017	King	
8,743,051 B1	6/2014	Moy et al.	D806,113 S *	12/2017	Beckman	D14/488
8,750,574 B2	6/2014	Ganong et al.	D817,994 S	5/2018	Jou	
8,787,627 B1	7/2014	Freedman	D819,075 S	5/2018	Tsuji	
8,788,977 B2	7/2014	Bezos	D820,305 S	6/2018	Clediere	
D712,915 S *	9/2014	Lee	D821,439 S	6/2018	Sowden	
D712,916 S *	9/2014	Lee	D821,443 S	6/2018	Jang	
D713,414 S *	9/2014	Lee	D822,054 S	7/2018	Persson	
D715,317 S	10/2014	Pearce	D823,335 S	7/2018	Alonso Ruiz	
8,856,541 B1	10/2014	Chaudhury	D823,867 S	7/2018	Berlow	
8,867,849 B1	10/2014	Kirkham	D823,891 S	7/2018	Lupei	
D717,339 S	11/2014	Wen	10,032,066 B2	7/2018	Gongaware et al.	
D717,829 S *	11/2014	Lee	D825,587 S	8/2018	O+3 Rourke	
8,922,480 B1	12/2014	Freed et al.	D825,588 S	8/2018	Hashimoto	
8,959,578 B2	2/2015	Simpson et al.	D835,665 S *	12/2018	Kimura	D14/488
D725,151 S	3/2015	Bray	D847,854 S *	5/2019	Christian	D14/488
D725,668 S	3/2015	Clare	D848,466 S *	5/2019	Mizono	D14/486
			10,360,464 B1	7/2019	McKay et al.	
			D866,570 S *	11/2019	Burroughs	D14/485
			D866,584 S *	11/2019	Burroughs	D14/486
			D868,812 S *	12/2019	Schwer	D14/486

(56)	References Cited				2008/0317379	A1 *	12/2008	Steinberg	H04N 9/8042
	U.S. PATENT DOCUMENTS				2009/0027337	A1 *	1/2009	Hildreth	382/275 G06F 3/03 345/158
	10,691,934	B2 *	6/2020	Bud	H04N 23/80	2009/0185784	A1	7/2009	Hiroike et al.
	D890,773	S *	7/2020	Pascoli	D14/485	2009/0226052	A1	9/2009	Fedele
	D891,464	S *	7/2020	Zurmoehle	D14/489	2009/0232367	A1	9/2009	Shinzaki
	D896,254	S *	9/2020	Lin	D14/486	2009/0252383	A1	10/2009	Adam et al.
	10,917,431	B2	2/2021	Turgeman		2009/0324018	A1	12/2009	Tell
	10,963,669	B2	3/2021	Berini et al.		2009/0324022	A1	12/2009	Sangberg et al.
	D924,885	S *	7/2021	Mao	D14/485	2009/0324137	A1	12/2009	Stallings et al.
	D928,176	S *	8/2021	Hamre	D14/485	2010/0050134	A1	2/2010	Clarkson
	D947,217	S *	3/2022	Broughton	D14/485	2010/0054600	A1	3/2010	Anbalagan et al.
	D963,681	S *	9/2022	Stewart	D14/485	2010/0054601	A1	3/2010	Anbalagan et al.
	D987,653	S *	5/2023	Tussy	D14/486	2010/0061631	A1	3/2010	Omori
	D995,553	S *	8/2023	Ahn, II	D14/486	2010/0067750	A1	3/2010	Matsuo
	D1,045,912	S *	10/2024	Judge	D14/485	2010/0158327	A1	6/2010	Kangas et al.
	2002/0054059	A1	5/2002	Schneiderman		2010/0232656	A1	9/2010	Ryu
	2002/0055955	A1	5/2002	Lloyd-Jones et al.		2010/0245614	A1	9/2010	Matsunaga
	2002/0087622	A1	7/2002	Anderson		2010/0272363	A1	10/2010	Steinberg et al.
	2002/0103813	A1	8/2002	Frigon		2010/0287053	A1	11/2010	Ganong et al.
	2002/0191818	A1	12/2002	Matsuo et al.		2010/0310133	A1	12/2010	Mason et al.
	2003/0039380	A1	2/2003	Sukegawa et al.		2010/0317420	A1	12/2010	Hoffberg
	2003/0053663	A1	3/2003	Chen et al.		2010/0318366	A1	12/2010	Sullivan
	2003/0063669	A1	4/2003	Lee et al.		2011/0063108	A1	3/2011	Aonuma et al.
	2003/0095053	A1	5/2003	Kandogan		2011/0163874	A1 *	7/2011	Van Os G01C 21/367 345/173
	2003/0103652	A1	6/2003	Lee et al.		2011/0169853	A1	7/2011	Oiwa
	2003/0133599	A1	7/2003	Tian et al.		2011/0196753	A1	8/2011	Hodgdon et al.
	2003/0198368	A1	10/2003	Kee		2011/0202531	A1	8/2011	Zuckerberg et al.
	2003/0217294	A1	11/2003	Kyle		2011/0225481	A1	9/2011	Zuckerberg et al.
	2003/0236832	A1	12/2003	McIntyre et al.		2011/0276484	A1	11/2011	Pearson et al.
	2004/0070678	A1	4/2004	Toyama et al.		2011/0282906	A1	11/2011	Wong
	2004/0081338	A1	4/2004	Takenaka		2012/0066758	A1	3/2012	Kasturi
	2004/0109584	A1	6/2004	Lestideau		2012/0140993	A1	6/2012	Bruso et al.
	2004/0125991	A1	7/2004	Yokoi		2012/0323704	A1	12/2012	Steelberg
	2004/0143598	A1	7/2004	Drucker et al.		2013/0007032	A1	1/2013	Klappert
	2004/0190758	A1	9/2004	Doi et al.		2013/0057693	A1	3/2013	Baranek
	2004/0201709	A1	10/2004	McIntyre et al.		2013/0066526	A1	3/2013	Mondragon
	2004/0264780	A1	12/2004	Zhang et al.		2013/0077835	A1	3/2013	Kritt et al.
	2005/0031173	A1	2/2005	Hwang		2013/0086674	A1	4/2013	Horvitz et al.
	2005/0065855	A1	3/2005	Geller		2013/0179298	A1	7/2013	Segman
	2005/0094849	A1	5/2005	Sung et al.		2013/0226740	A1	8/2013	Biliosa
	2005/0100195	A1	5/2005	Li		2013/0246158	A1	9/2013	Cannon
	2005/0117802	A1	6/2005	Yonaha et al.		2013/0267204	A1	10/2013	Schultz
	2005/0141766	A1	6/2005	Nagahashi et al.		2013/0342672	A1	12/2013	Gray et al.
	2005/0180627	A1	8/2005	Yang et al.		2014/0012756	A1	1/2014	Beraja
	2005/0190273	A1	9/2005	Toyama et al.		2014/0022179	A1	1/2014	Yoon
	2005/0220347	A1	10/2005	Enomoto		2014/0059673	A1	2/2014	Azar
	2005/0251015	A1	11/2005	Takikawa et al.		2014/0098174	A1	4/2014	Summers
	2005/0265603	A1	12/2005	Porter et al.		2014/0118257	A1	5/2014	Baldwin
	2006/0050933	A1	3/2006	Adam et al.		2014/0123275	A1	5/2014	Azar et al.
	2006/0110014	A1	5/2006	Philomin		2014/0165187	A1	6/2014	Daesung
	2006/0133672	A1	6/2006	Li		2014/0169643	A1	6/2014	Todoroki
	2006/0156029	A1	7/2006	Algazi		2014/0173443	A1	6/2014	Hawkins, III
	2006/0173560	A1	8/2006	Widrow		2014/0197922	A1	7/2014	Stanwood
	2006/0218225	A1	9/2006	Hee Voon et al.		2014/0198959	A1	7/2014	Derakhshani
	2006/0222215	A1	10/2006	Jung et al.		2014/0337791	A1	11/2014	Agnetta
	2006/0224523	A1	10/2006	Elvitigala		2014/0337948	A1	11/2014	Hoyos
	2006/0239515	A1	10/2006	Zhang et al.		2014/0351761	A1	11/2014	Bae
	2006/0251292	A1	11/2006	Gokturk et al.		2015/0052462	A1 *	2/2015	Kulkarni G06F 3/04817 715/765
	2006/0251338	A1	11/2006	Gokturk et al.		2015/0055821	A1	2/2015	Fotland
	2006/0253491	A1	11/2006	Gokturk et al.		2015/0074615	A1	3/2015	Han
	2006/0274978	A1	12/2006	Fukuda et al.		2015/0077323	A1	3/2015	Ramaswamy
	2007/0074114	A1	3/2007	Adjali		2015/0131872	A1	5/2015	Ganong et al.
	2007/0081744	A1	4/2007	Gokturk et al.		2015/0148106	A1	5/2015	Choi
	2007/0098303	A1	5/2007	Gallagher et al.		2015/0153571	A1	6/2015	Ballard
	2007/0177805	A1	8/2007	Gallagher		2015/0205399	A1	7/2015	Kim
	2007/0206834	A1	9/2007	Shinkai et al.		2015/0205454	A1	7/2015	Ainslie
	2007/0211925	A1	9/2007	Aoki et al.		2015/0212684	A1	7/2015	Sabia
	2008/0046458	A1	2/2008	Tseng et al.		2015/0227286	A1	8/2015	Kang et al.
	2008/0077595	A1	3/2008	Leebow		2015/0310260	A1	10/2015	Summers
	2008/0080743	A1	4/2008	Schneiderman et al.		2015/0378433	A1	12/2015	Savastinuk
	2008/0080745	A1	4/2008	Vanhoucke et al.		2016/0026425	A1	1/2016	Lee
	2008/0091723	A1	4/2008	Zuckerberg et al.		2016/0063235	A1 *	3/2016	Tussy G06V 40/67 726/6
	2008/0100195	A1	5/2008	Kim		2016/0209939	A1	7/2016	Zambetti
	2008/0130960	A1	6/2008	Yagnik		2016/0259528	A1	9/2016	Foss
	2008/0212849	A1	9/2008	Gao					

(56)

References Cited**U.S. PATENT DOCUMENTS**

2016/0261675	A1	9/2016	Block
2016/0342826	A1	11/2016	Apostolos et al.
2017/0111493	A1	4/2017	Stone
2017/0220843	A1	8/2017	Apostolos et al.
2018/0165508	A1	6/2018	Othman et al.
2018/0181737	A1 *	6/2018	Tussy G06F 21/32
2019/0080072	A1 *	3/2019	Van Os G06F 3/016
2019/0105551	A1	4/2019	Ray
2019/0213311	A1 *	7/2019	Tussy G06V 10/17
2019/0213312	A1 *	7/2019	Tussy G06Q 20/3276
2019/0311102	A1 *	10/2019	Tussy G06V 40/166
2020/0042685	A1 *	2/2020	Tussy G06V 40/167
2022/0342972	A1 *	10/2022	van Os G06V 40/172
2023/0073410	A1 *	3/2023	Tussy G06F 21/32
2023/0394127	A1 *	12/2023	Tussy H04L 63/123
2024/0333512	A1	10/2024	Janardhanan et al.

FOREIGN PATENT DOCUMENTS

EP	1388802	2/2004
EP	1455297	9/2004
EP	1693801	8/2006
GB	2501362	10/2013
KR	20130097581	9/2013
KR	10-1755995	7/2017
WO	2006/130542	12/2006
WO	2008/107002	9/2008
WO	2015/070320	5/2015
WO	WO 2016/079464	5/2016
WO	WO 2017/100929	6/2017

OTHER PUBLICATIONS

“An Overview of Face Liveness Detection”, Chakraborty, et al., Dept. of Computer Science and Engineering, National Institute of Technology, Silchar India, International Journal on Information Theory (IJIT), vol. 3, No. 2, DOI: 10.512/ijit.2014.3202, 15 pages, Apr. 2014.

“SVO Fast Semi-Direct Monocular Visual Odometry”, Christian Forster, et al., ResearchGate, Conference Paper in Proceedings—IEEE International Conference on Robotics and Automation, DOI: 10.1109/ICRA.2014.6906584, <https://www.researchgate.net/publication/262378002>, 9 pages, May 18, 2014.

“Evaluating Liveness by Face Images and the Structure Tensor”, Kollreider, et al., Halmstad University, SE-30118, Sweden, Halmstad University Post-Print, © IEEE 2005, Fourth IEEE Workshop on Automatic Identification Advanced Technologies, 2005, IEEE: 2005. PGS. 75-80, DOI: <http://dx.doi.org/10.1109/AUTOID.2005.20>, 7 pages, date unknown.

“An Iterative Image registration Technique with an Application to Stereo Vision”, Lucas, et al., Computer Science Department, Carnegie-Mellon University, Pittsburgh, Pennsylvania 15213, From Proceedings of Imaging Understanding Workshop, pp. 121-130 (1981), pp. 121-130, 10 pgs., date unknown.

“Head Gesture Recognition Using Optical Flow Based Classification with Reinforcement of GMM Based Background Subtraction”, Saikia, et al., Department of Electronics and Communication Engineering, DBCET, Assam Don Bosco University, International Journal of Computer Application (0975-8887), vol. 65-No. 25, Mar. 2013, 7 pages.

“A Liveness Detection Method for Face Recognition Base on Optical Flow Field”, Bao, et al., College of Computer Science, Zhejiang University, 978-1-4244-3986-7/09/\$25.00 © 2009 IEEE, IEEE Xplore (Mar. 15, 2022 download), 4 pages.

After Effects Tutorial—17—Introduction to Masking, by thenewboston, uploaded Dec. 7, 2008, youtube.com [online], [retrieved Jun. 15, 2017]. Available from <URL:<https://www.youtube.com/watch?v=kWd51xDqzlc>>.

Optical Illusions—Animated GIF & JPG, dated Oct. 28, 2013, plus.google.com [online], [retrieved Jun. 19, 2017]. Available from internet <URL:<https://plus.google.com/+Whak-Off/posts/CX4YhzXSQy2>>.

The Universal Face Login for 5 Billion Smartphones, zoomlogin.com [online], [retrieved Jun. 19, 2017]. Available from internet <URL:<https://zoomlogin.com/>>.

Wong, Yongkang, et al. “Patch-based probabilistic image quality assessment for face selection and improved video-based face recognition.” CVPR 2011 Workshops. IEEE, 2011.

Rafalovitch, “Viewfinder Friends—idea for Facebook application”, Nov. 14, 2007, <http://blog.outerthoughts.com/2007/11/viewfinder-friends-idea-for-facebook-application/>, 5 pages.

Kishore, “How to Add, Upload, and Tag Your Pictures and Photos in FaceBook”, <http://www.online-tech-tips.com/fun-stuff/how-to-add-upload-and-tag-your-pictures-and-photos-in-facebook/>, Aug. 11, 2007, 13 pages.

Becker et al., “Evaluation of Face Recognition Techniques for Application to Facebook”, https://www.researchgate.net/publication/224401138_Evaluation_of_face_recognition_techniques_for_application_to_Facebook, IEEE International conference on Automatic Face and Gesture Recognition, 2008, 6 pages.

Baker, “Google & Riya Face Recognition Photo Search”, Nov. 22, 2005, <http://www.searchenginejournal.com/google-riya-face-recognition-photo-search/2550/>, 1 page.

Bletsko et al., “Using Skin-Color Motion for 3D Face Modelling and Synthesis”, Sep. 6, 2003, WISP 2003, pp. 295-299.

Ponce, “Riya, Photo Sharing with Face Recognition”, Oct. 28, 2005, <http://www.ohgizmo.com/2005/10/28/riya-photo-sharing-with-face-recognition/>, 2 pages.

Facebook, “Making Photo Tagging Easier”, <https://m.facebook.com/notes/facebook/making-photo-tagging-easier/467145887130/?tn=C&rd=2>, 2 pages.

Michelson et al., “Auto-tagging the Facebook”, 2006, <http://cs229.stanford.edu/aiproj2006/MichelsonOrtizAutoTaggingTheFacebook.pdf>, 5 pages.

Arrington, “First Screenshot of Riya”, Oct. 26, 2005, <https://techcrunch.com/2005/10/26/riya-prepares-to-launch-alpha/>, 10 pages. Arrington, “Ojos—Auto Name & Tag Your Photos”, Aug. 31, 2005, <http://techcrunch.com/2005/08/31/ojos-auto-name-tag-your-photos/>, 9 pages.

Stone, et al., “Autotagging Facebook: Social network context improves photo annotation,” In Workshop on Internet ., 8 pages.

Schuo et al., “CS229 Project Report: Automated photo tagging in Facebook”, Dec. 2007, <http://cs229.stanford.edu/proj2007/SchuoRobertsonZou-AutomatedPhotoTaggingInFacebook.pdf>, 5 pages.

Yadav, “Facebook—The Complete Biography”, Aug. 25, 2006, <http://mashable.com/2006/08/25/facebook-profile/>, 12 pages.

Unknown, “What does it mean to “tag” someone's picture on facebook, what's the point of doing it?”, Nov. 28, 2007, <https://answers.yahoo.com/question/index?qid=20071128123629AAYODLP>, 2 pages.

Yang, et al., “Detecting Faces in Images: A Survey”, Jan. 2002, IEEE Trans. Pattern Analysis Machine Intelligence, 25 pages.

Girija Chetty and Michael Wagner, “Automated lip feature extraction for liveness verification in audio-video authentication”, Human Computer Communication laboratory School of Information Sciences and Engineering, University of Canberra, Australia, Proc. Image and Vision Computer (2004), Jan. 1, 2004, 6 pages.

Rogssignol, Joe. “How to customise the Lock screen in iOS 7.” iDownloadBlog, posted Jan. 11, 2014 (Retrieved from the internet Mar. 30, 2016). <http://www.idownloadblog.com/2014/01/11/how-to-theme-the-lock-screen-on-ios-7/>, Mar. 30, 2016.

Android_locked-out-PDF, screenshot, date unknown, author unknown, 1 page.

Android-lock-screen1-PDF, screenshot, date unknown, author unknown, 1 page.

Facetime-PDF, screenshot, date unknown, author unknown, 1 page.

Image 9-PDF, screenshot, date unknown, author unknown, 1 page.

Iphone-Facetime-PDF, screen shot, date unknown, author unknown, 1 page.

(56)

References Cited

OTHER PUBLICATIONS

Keyboard-PDF, screen shot, date unknown, author unknown, 1 page.
Passcode-lock-PDF, screen shot, date unknown, author unknown, 1 page.
Passcode-PDF, screen shot, date unknown, author unknown, 1 page.
Screen Shot-PDF, screen shot, date unknown, author unknown, 1 page.
Screenshot_2012-06-20-16-06-32-PDF, screen shot, date unknown, author unknown, 1 page.
Topic_facetime_ios-PDF, screen shot, date unknown, author unknown, 1 page.
Wpss_20130124_00071-PDF, screen shot, Jan. 24, 2013, author unknown, 1 page.
Shutterstock [online], Aug. 4, 2014 [retrieved Jul. 24, 2016]. Retrieved from the internet, URL:<http://www.tineye.com/search/543afeb8836762927558call587ce7f99a706ad/pic-199246373>, stock phot male silhouette image, 2 pages.
Hagai Aronowitz, et al., Multi-Modal Biometrics for Mobile Authentication, JCB, 2014, 8 pages.
Silvio Barra, et al., Fame: Face Authentication for Mobile Encounter, IEEE, 2013, 7 pages.
"FacialNetwork to release facial recognition smartphone app", Biometric Update, <https://www.biometricupdate.com/201507/facialnetwork-to-release-facial-recognition-smartphone-app> Copyright© 2024 Biometrics Research Group, Inc, Justin Lee, Jul. 9, 2015.

* cited by examiner

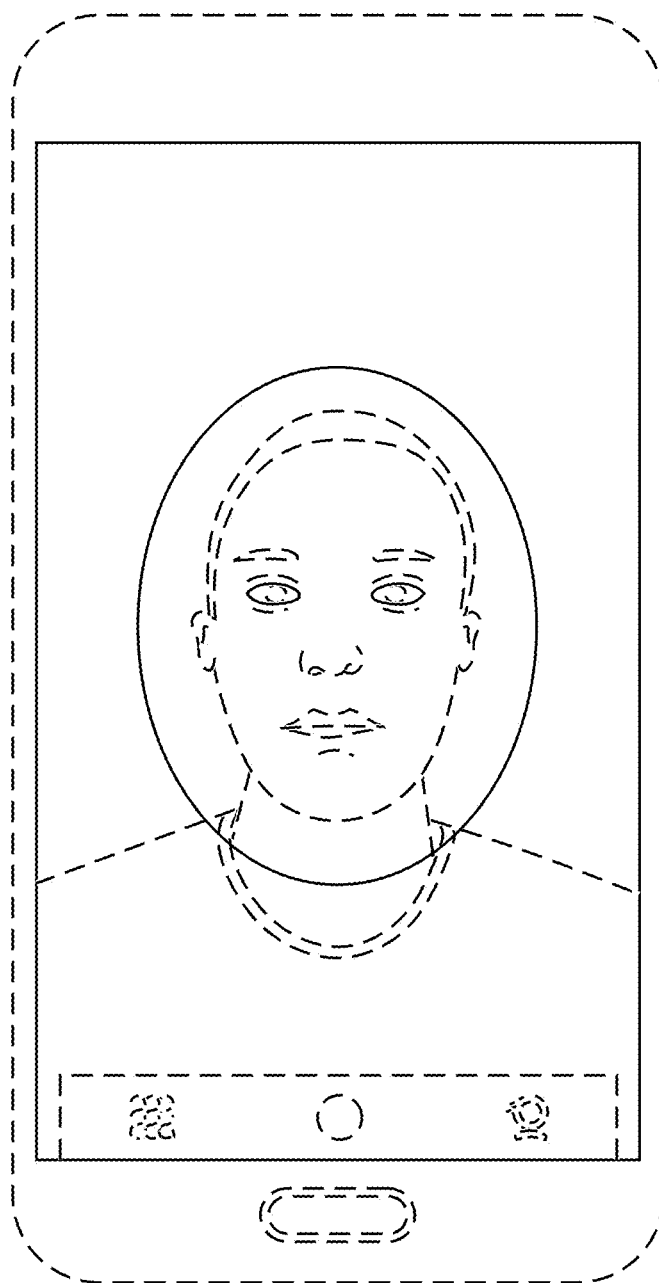


FIG. 1

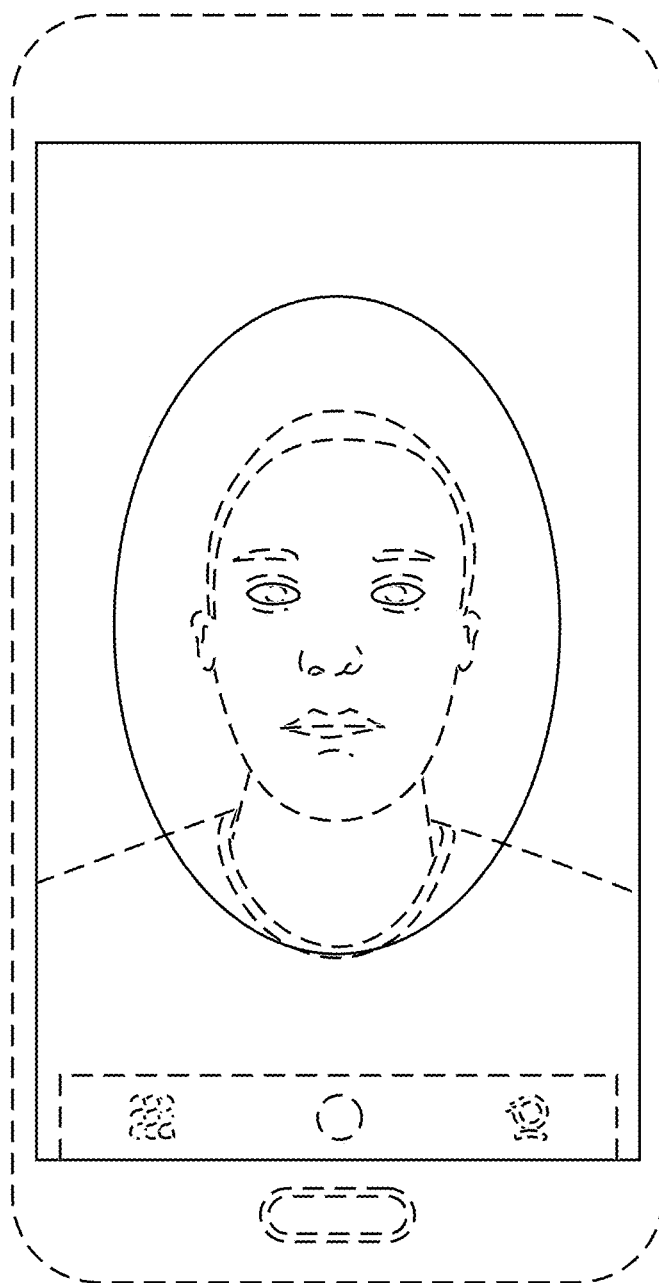


FIG. 2

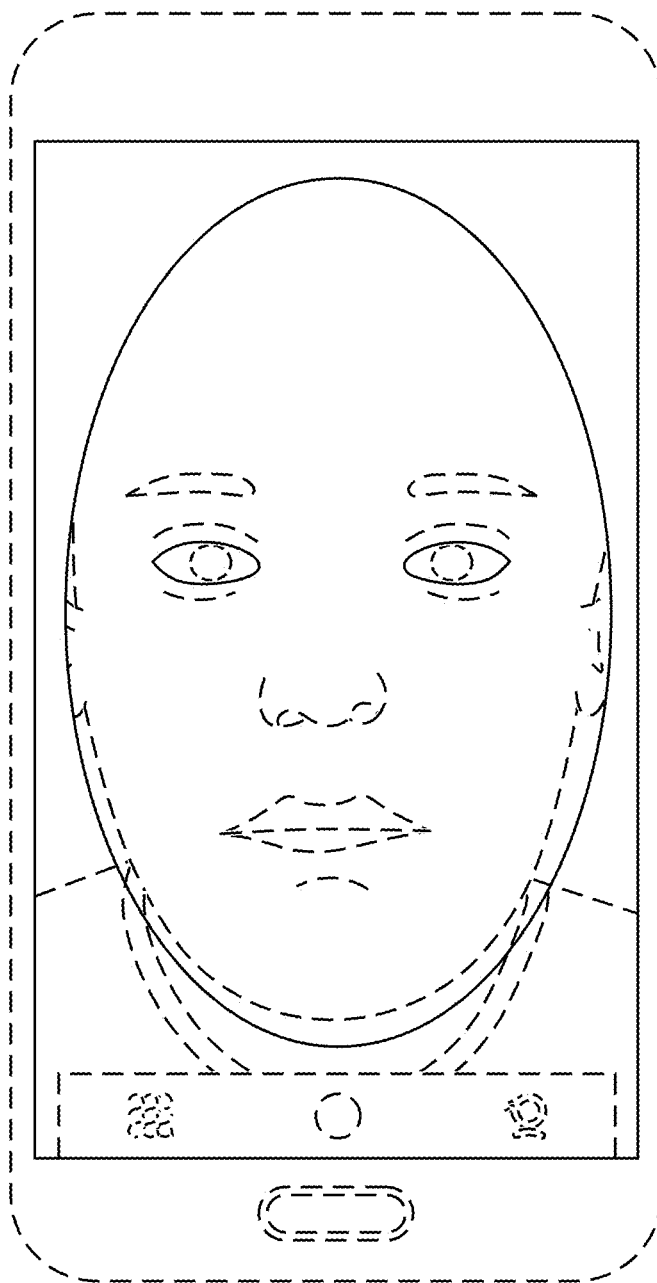


FIG. 3