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(12) United States Design Patent

Cohen et al.

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(54) **SMART GLASSES**

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

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(52) **U.S. Cl.**
USPC **D16/309**

(58) **Field of Classification Search**
USPC D16/101, 300, 301, 303, 310, 311, 312, D16/313–316, 319, 320, 325–326, 328, D16/329, 330, 331, 332, 334, 335, 340, D16/341, 342; D29/109–110; D14/372; 351/41, 44, 45–48, 51–52, 62, 158, 92, 351/103–123, 140–153, 63, 59
CPC A63B 33/00; A63B 33/002; G02C 1/00; G02C 1/02; G02C 1/04; G02C 1/06; G02C 5/02; G02C 5/04; G02C 5/08; G02C 5/12; G02C 5/22; G02C 9/00; G02C 9/02; G02C 9/04; G02C 11/00; G02C 11/02; G02C 2200/00; G02C 2200/02; G02C 11/04; G02C 5/008; G02C 5/14; G02C 5/16; G02C 5/146; G02C 5/2254; G02C 2200/08; G02C 2200/22; A61M 2021/0044; G02B 27/2228
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,904,078	A		2/1990	Gorike	
D645,492	S	*	9/2011	Zhao	D16/309
D646,316	S	*	10/2011	Zhao	D16/309
D685,019	S	*	6/2013	Li	D16/309
D687,087	S	*	7/2013	Iurilli	D16/309
8,564,883	B2	*	10/2013	Totani	G02B 27/0172 345/8
8,576,491	B2	*	11/2013	Takagi	G02B 27/0172 345/8
D710,928	S	*	8/2014	Heinrich	16/235
D719,569	S	*	12/2014	Heinrich	D14/372
D719,570	S	*	12/2014	Heinrich	D14/372
D723,093	S	*	2/2015	Li	D16/309
D745,007	S	*	12/2015	Cazalet	D14/372
9,201,578	B2		12/2015	Scott et al.	
9,253,806	B2		2/2016	Choi et al.	
D751,552	S	*	3/2016	Osterhout	D14/372
9,277,159	B2		3/2016	Shin et al.	
D763,344	S	*	8/2016	Roy	D16/309
D766,895	S	*	9/2016	Choi	D14/372
D770,558	S	*	11/2016	Ghodousi	D16/309
D776,751	S	*	1/2017	Cazalet	D16/326
9,535,497	B2		1/2017	Rose et al.	
D782,477	S	*	3/2017	Cazalet	D14/372
D782,564	S	*	3/2017	Kelman	D16/321
9,589,390	B2		3/2017	DeStories et al.	
D791,218	S	*	7/2017	Dal Pont	D16/326
D792,400	S	*	7/2017	Osterhout	D14/372
D795,948	S	*	8/2017	Rhea	D16/300
D798,946	S	*	10/2017	Shin	D16/335
D810,182	S	*	2/2018	Porter	D16/309
D814,552	S	*	4/2018	Cox	D16/309
D816,761	S	*	5/2018	Lalush	D16/326
D823,373	S	*	7/2018	Hong	D16/309
10,037,084	B2		7/2018	Joo	
D833,500	S	*	11/2018	Su	D16/130
D840,395	S	*	2/2019	Osterhout	D14/372
D841,078	S	*	2/2019	Liao	D16/309
D842,369	S	*	3/2019	Orzel	D16/334
D849,822	S	*	5/2019	Marron	D16/309
D855,691	S	*	8/2019	Stipancik	D16/334
D856,402	S	*	8/2019	Miera	D16/300
10,379,376	B2	*	8/2019	Kuczewski	G02C 5/22
D864,283	S	*	10/2019	Williams	D16/300
D864,959	S	*	10/2019	Osterhout	D14/372
10,488,668	B2	*	11/2019	Cazalet	G02B 27/0149
D870,190	S	*	12/2019	Lebel	D16/300
D877,237	S	*	3/2020	Bhatia	D16/335
2007/0200998	A1	*	8/2007	Schrimmer	G02C 11/04 351/158
2007/0200999	A1	*	8/2007	Lee	G02C 11/04 351/158
2007/0220108	A1		9/2007	Whitaker	
2008/0297716	A1	*	12/2008	Tsai	G02C 11/04 351/51
2009/0097688	A1		4/2009	Lewis	

2012/0004919	A1	1/2012	Muth	
2012/0200499	A1	8/2012	Osterhout et al.	
2012/0200937	A1 *	8/2012	Totani	H04N 13/344 359/631
2013/0001306	A1 *	1/2013	Healy	G06K 7/10415 235/385
2013/0177194	A1	7/2013	Han et al.	
2014/0140531	A1	5/2014	Lee et al.	
2014/0336781	A1	11/2014	Katyal et al.	
2015/0100621	A1	4/2015	Pan	
2015/0237336	A1 *	8/2015	Sylvan	G02B 27/0093 348/54
2015/0358614	A1	12/2015	Jin	
2015/0379896	A1	12/2015	Yang et al.	
2016/0026253	A1	1/2016	Bradski et al.	
2016/0070439	A1	3/2016	Bostick et al.	
2016/0078512	A1	3/2016	Yopp et al.	
2016/0370606	A1 *	12/2016	Huynh	G02C 5/20
2017/0103440	A1	4/2017	Xing et al.	
2017/0299870	A1 *	10/2017	Urey	G03H 1/2202
2017/0299956	A1 *	10/2017	Holland	H01S 5/02
2018/0144554	A1	5/2018	Watola et al.	
2018/0224673	A1 *	8/2018	Therrien	G02C 11/10
2018/0292675	A1 *	10/2018	Sandoval	G02C 5/008
2018/0335643	A1 *	11/2018	Kozak	G02C 5/143
2019/0129182	A1 *	5/2019	Hu	G02B 6/0008
2019/0271856	A1 *	9/2019	Mape	G02C 5/001
2020/0110289	A1 *	4/2020	De La Fuente	H05B 47/11
2020/0142203	A1 *	5/2020	Moore	G02C 5/146

FOREIGN PATENT DOCUMENTS

CN	103309226	A	9/2013
CN	203313378	U	11/2013
CN	105354161	A	2/2016
CN	103713737		1/2017
CN	305486010	*	12/2019
EP	2739055	A1	6/2014
WO	2013171731	A1	11/2013
WO	2017031033	A1	2/2017
WO	2017096099	A1	6/2017
WO	2018059934	A1	4/2018

OTHER PUBLICATIONS

Lucyd: Loud Youth, reviewed Mar. 3, 2019, [online], [site visited Jul. 1, 2020]. Available from Internet, <URL: https://www.lucyd.co/products/lucyd-loud-darkside> (Year: 2019).*

Bose Frames Audio Sunglasses, Black. Online. Internet. Accessed Sep. 27, 2019. https://www.amazon.com/Bose-Frames-Audio-Sunglasses-Black/dp/B07P7VVCDD/ref=asc_df_B07P7VVCDD/?tag=hyprod-20&linkCode=df0&hvadid . . . .

Amazon Smart Bluetooth Headset Glasses, Detachable Outdoor Car Universal HD Polarized Sunglasses for Driving, Outdoor Fish . . . Online. Internet. Accessed Oct. 1, 2019. https://www.amazon.com/Smart-Bluetooth-Detachable-Universal-Sunglasses/dp/B07QHS5G9M.

Amazon Kodak Prescription Eyeglassses Alien 5 Bone Conduction Glasses Blue Ray Filtering Wireless Bluetooth 4.1 Headphones Myopia Hyperopia Astigmatism Waterproof for IOS Android (Bright Black Frame). Online. Internet. Accessed Oct. 1, 2019. https://www.amazon.com/Prescription-Eyeglasses-Conduction-Headphones-Astigmatism/dp/B07NTDJ9N7/ref=sr_1_3?keywords=smart+glasses+pre . . . .

Amazon Duco Sunglasses for Men Over Glasses Sunglasses for Women Polarized Sunglasses 8953. Online. Internet. Accessed Sep. 27, 2019. https://www.amazon.com/dp/B07MZ2CT99?ref_=ams_ad_dp_ovrl.

Hadar, et al. "Working Memory Load Affects Processing Time in Spoken Word Recognition: Evidence from Eye-Movements." Frontiers in Neuroscience, May 19, 2016.

Jones, Skott E. "Adult Word Learning as a Function of Neighborhood Density." Languages, Mar. 6, 2018.

"Landscape of AR companies with product announcements or product availability."

Proof of Concept Optical Engineering, LLC. "Review of Smartglasses Demonstrated at CES 2018." Jan. 17, 2018.

WaveOptics Ltd. "Unlocking Augmented Reality with World Class Optical Technology," 2018.

Karthika, et al. "Hololens." International Journal of Computer Science and Mobile Computing, vol. 6, Issue 2, Feb. 2017, pp. 41-50.

Lenovo Group Limited. "Lenovo New Glass C200 Adds Smart Glasses to Portfolio." Online. Internet. Published Jan. 3, 2017. Accessed Jul. 12, 2019. http://blog.lenovo.com/en/blog/lenovo-new-glass-c200-adds-smart-glasses-to-portfolio/.

Shen, et al. "Semantic information mediates visual attention during spoken word recognition in Chinese: Evidence from the printed-word version of the visual-world paradigm." Attention, Perception, & Psychophysics, Jul. 2016. vol. 78, Issue 5, pp. 1267-1284.

Vuzix Corporation. "M100 Smart Glasses Product Guide, Enterprise Edition." Product Manual, 2015.

"ByJo" AliExpressNewest Bluetooth headset sunglasses music microphone bone conduction Open type headset touch control compatible with myopia lens, accessed Apr. 24, 2019, [online], <URL: https://www.aliexpress.com/item/32839211496.html?spm=a2g0o.productlist.0.0.c99e15a6OOXqru&algo_pvid=13be10ac-a72e-4e0b-8cb2-ec3521f23fc1&algo_expid=13be10ac-a72e-4e0b-8cb2-ec3521f23fc1-0&btsid=0ab6fab215965704756971725e6a50ws_ab_test=searchweb0_0,searchweb201602_,searchweb201603_>.

Amazon Vocal Skull Alien 5 Bone Conduction Glasses Polarized Sunglasses Headphones Headset Music Stereo Hearing Aid for Sports Running Cycling Hiking iOS Android Matted Black Frame (Frame+Mold Lens). Online. Internet. Accessed Apr. 24, 2019. https://www.amazon.com/Vocal-Skull-Conduction-Sunglasses-Headphones/dp/B07KLSSQST.

Bose Frames Alto. Online. Internet. Accessed Apr. 24, 2019. https://www.bose.com/en_us/products/wearables/frames/bose-frames-alto.html.

Bose Frames Rondo. Online. Internet. Accessed Apr. 24, 2019. https://ww.bose.com/en_us/products/wearables/frames/bose-frames-rondo.html.

Bose Frames. Online. Internet. Accessed Apr. 24, 2019. https://www.bose.com/en_us/products/wearables/frames.html.

Lucyd Upgrade Your Eyewear. Online. Internet. Accessed Apr. 24, 2019. https://www.lucyd.co/.

Zungle. Online. Internet. Accessed Apr. 24, 2019. https://www.zungleinc.com/.

* cited by examiner

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(57) **CLAIM**

The ornamental design for smart glasses, as shown and described.

DESCRIPTION

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

FIG. **1** is a front top perspective view showing our new design;

FIG. **2** is a rear top perspective thereof;

FIG. **3** is a front view thereof;

FIG. **4** is a rear view thereof;

FIG. **5** is a right side view thereof;
FIG. **6** is a left side view thereof;
FIG. **7** is a top view thereof; and,
FIG. **8** is a bottom view.

1 Claim, 8 Drawing Sheets
(8 of 8 Drawing Sheet(s) Filed in Color)

FIG. 1

FIG. 2

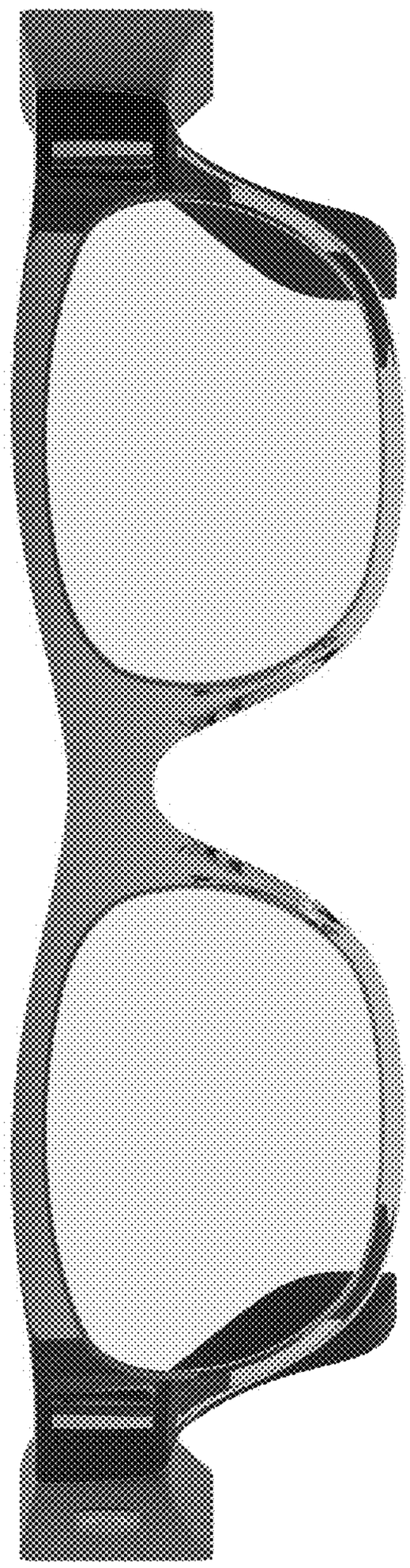

FIG. 3

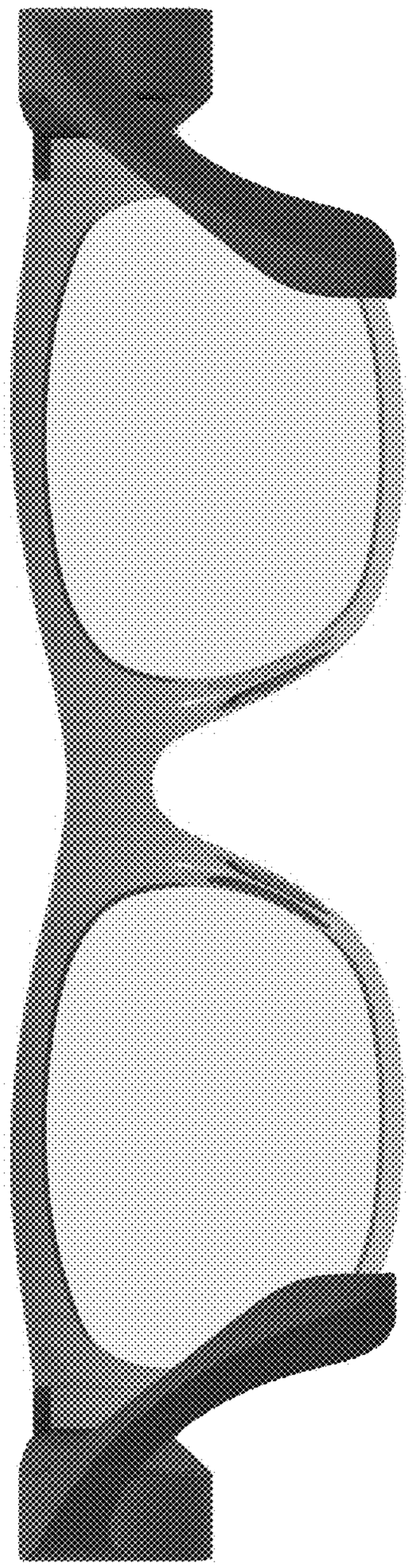

FIG. 4

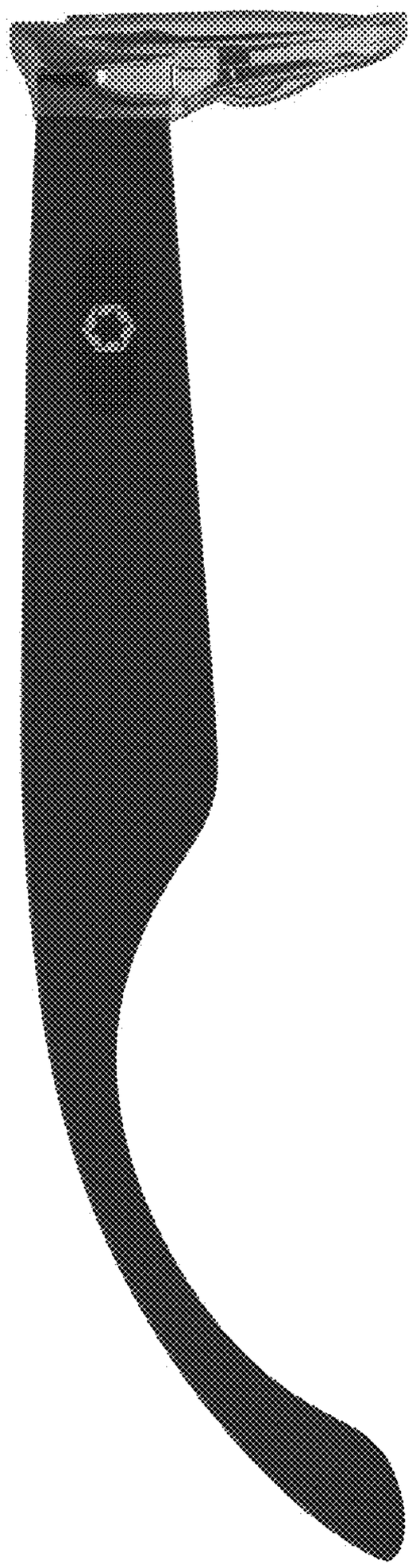

FIG. 5

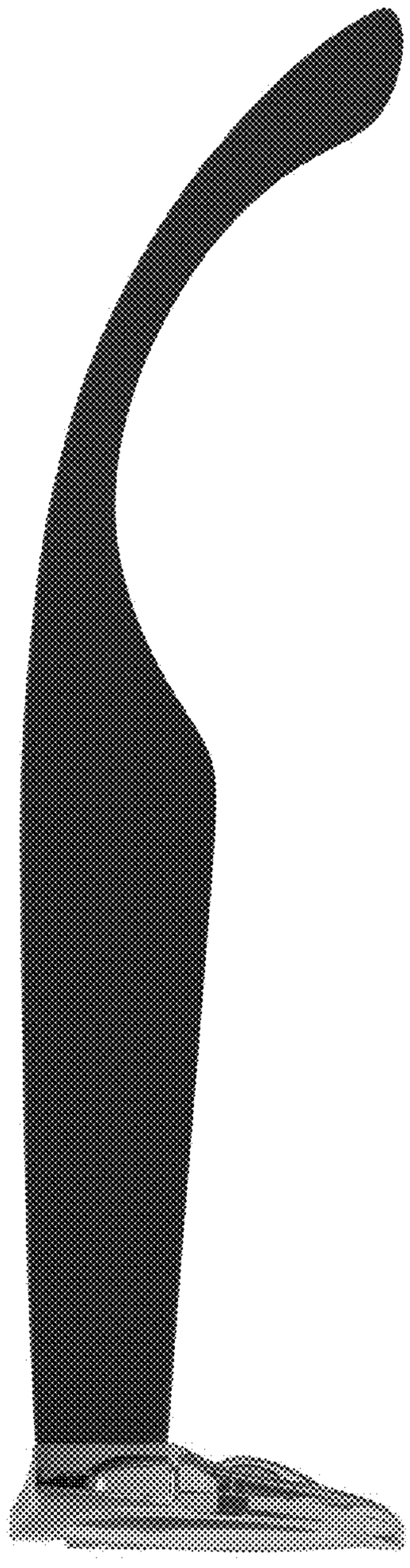

FIG. 6

FIG. 7

FIG. 8