



US00D900206S

(12) **United States Design Patent** (10) **Patent No.:** **US D900,206 S**  
**Cohen et al.** (45) **Date of Patent:** **\*\* Oct. 27, 2020**

(54) **SMART GLASSES**  
(71) Applicant: **Lucyd Ltd.**, Singapore (SG)  
(72) Inventors: **David Cohen**, Aventura, FL (US);  
**Clifford Gross**, Miami, FL (US);  
**Harrison Gross**, North Miami, FL (US)  
(73) Assignee: **Lucyd Ltd.** (GB)  
(\*\*) Term: **15 Years**

D646,316 S \* 10/2011 Zhao ..... D16/309  
D685,019 S \* 6/2013 Li ..... D16/309  
D687,087 S \* 7/2013 Iurilli ..... D16/309  
(Continued)

FOREIGN PATENT DOCUMENTS

CN 103309226 A 9/2013  
CN 203313378 U 11/2013  
(Continued)

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).\*  
(Continued)

*Primary Examiner* — Sanjeev Paul  
(74) *Attorney, Agent, or Firm* — Ellenoff Grossman & Schole LLP; John C. Stellabotte

(21) Appl. No.: **29/684,656**  
(22) Filed: **Mar. 22, 2019**  
(51) **LOC (12) Cl.** ..... **16-06**  
(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.

(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 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.

(56) **References Cited**  
U.S. PATENT DOCUMENTS  
4,904,078 A 2/1990 Gorike  
D645,492 S \* 9/2011 Zhao ..... D16/309

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



(56)

References Cited

U.S. PATENT DOCUMENTS

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 King 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 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

“ByJo” AliExpressNewest Bluetooth headset sunglasses music micro-  
phone bone conduction Open type headset touch control compatible  
with myopia lens, accessed Apr. 24, 2019, [online], <URL: [https://www.amazon.com/Vocal-Skull-Conduction-Sunglasses-  
Headphones/dp/B07KLSSQST](https://www.aliexpress.com/item/32839211496.html?spm=a2g0o.productlist.0.0.c99e15a6OOXgru&algo_pvid=13be10ac-a72e-4e0b-8cb2-ec3521f23fc1&algo_expid=13b310ac-a72e-4e0b-8cb2-ec3521f23fc1-0&btsid=0ab6fab215965704756971725e6a50&ws_ab_test=searchweb0_0,searchweb201602_,searchweb201603_>.”<br/>Amazon Vocal Skull Alien 5 Bone Conduction Glasses Polarized<br/>Sunglasses Headphones Headset Music Stereo Hearing Aid for<br/>Sports Running Cycling Hiking iOS Android Matted Black Frame<br/>(Frame+Mold Lens). Online. Internet. Accessed Apr 24, 2019<br/><a href=).  
Bose Frames Alto. Online. Internet. Accessed Apr. 24, 2019. [https://  
www.bose.com/en\\_us/products/wearables/frames/bose-frames-alto.  
html](https://www.bose.com/en_us/products/wearables/frames/bose-frames-alto.html).  
Bose Frames Rondo. Online. Internet. Accessed Apr. 24, 2019.  
[https://www.bose.com/en\\_us/products/wearables/frames/bose-frames-  
rondo.html](https://www.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](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/](https://www.zungleinc.com/).  
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 . . . .](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](https://www.amazon.com/Smart-Bluetooth-Detachable-Universal-Sunglasses/dp/B07QHS5G9M).  
Amazon Kodak Prescription Eyeglasses 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 . . . .](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](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.” Fron-  
tiers in Neuroscience, May 19, 2016.  
Jones, Skott E. “Adult Word Learning as a Function of Neighbor-  
hood Density.” Languages, Mar. 6, 2018.

(56)

**References Cited**

OTHER PUBLICATIONS

“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.

\* cited by examiner



FIG. 1



FIG. 2

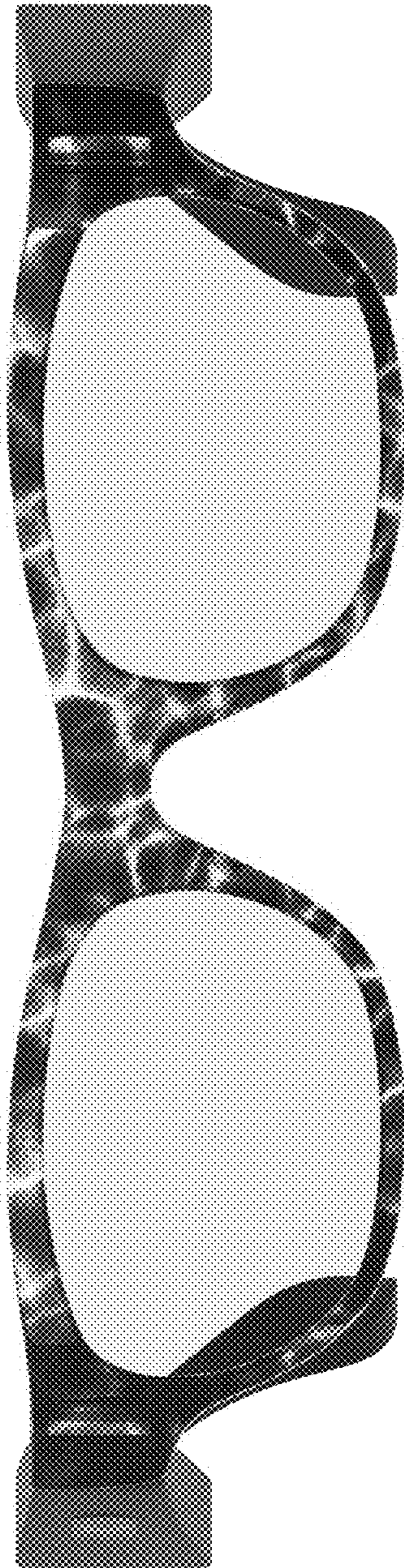


FIG. 3

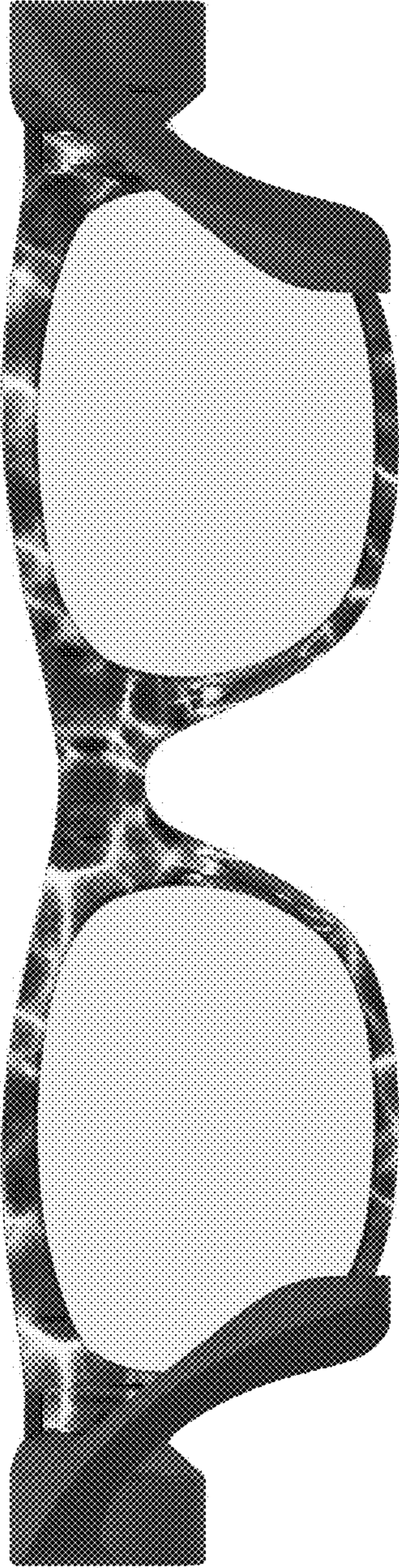


FIG. 4

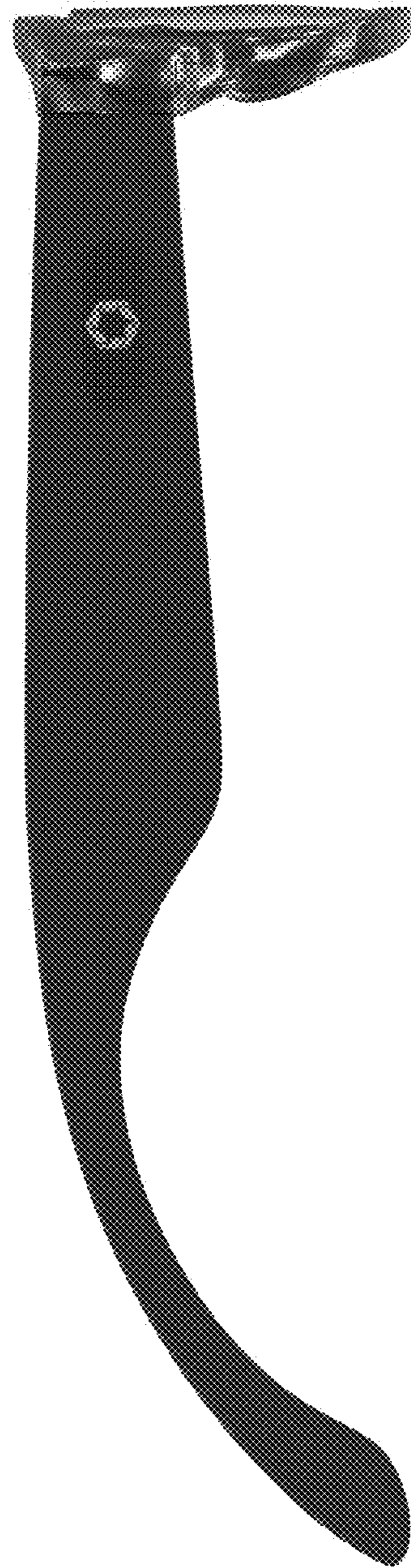


FIG. 5



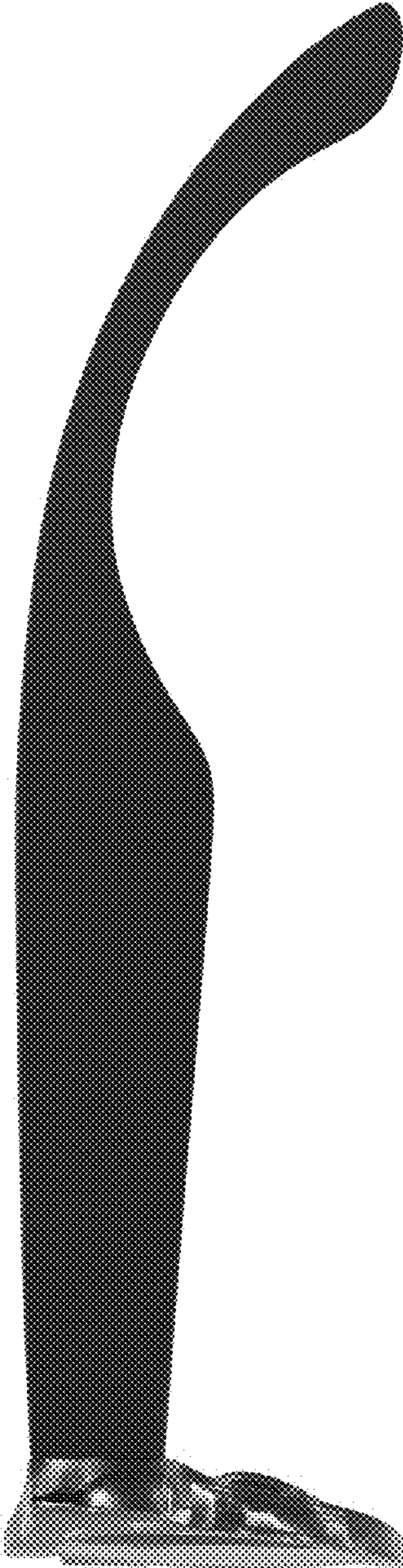


FIG. 6



FIG. 7



FIG. 8