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(12) **United States Design Patent** (10) **Patent No.:** **US D771,735 S**  
**Lee et al.** (45) **Date of Patent:** **\*\* Nov. 15, 2016**

(54) **SPECTACLE FRAME FOR MEASURING BIO-SIGNAL**  
  
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(52) **U.S. Cl.**  
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CPC ..... G02C 2200/08; G02C 1/06; G02C 5/14; G02C 11/02; G02C 11/04; G02C 5/16; G02C 2200/22; G02C 5/146; G02C 5/2254; G02C 5/008; G01C 5/16; A61M 2021/0044; A63B 33/002  
  
See application file for complete search history.

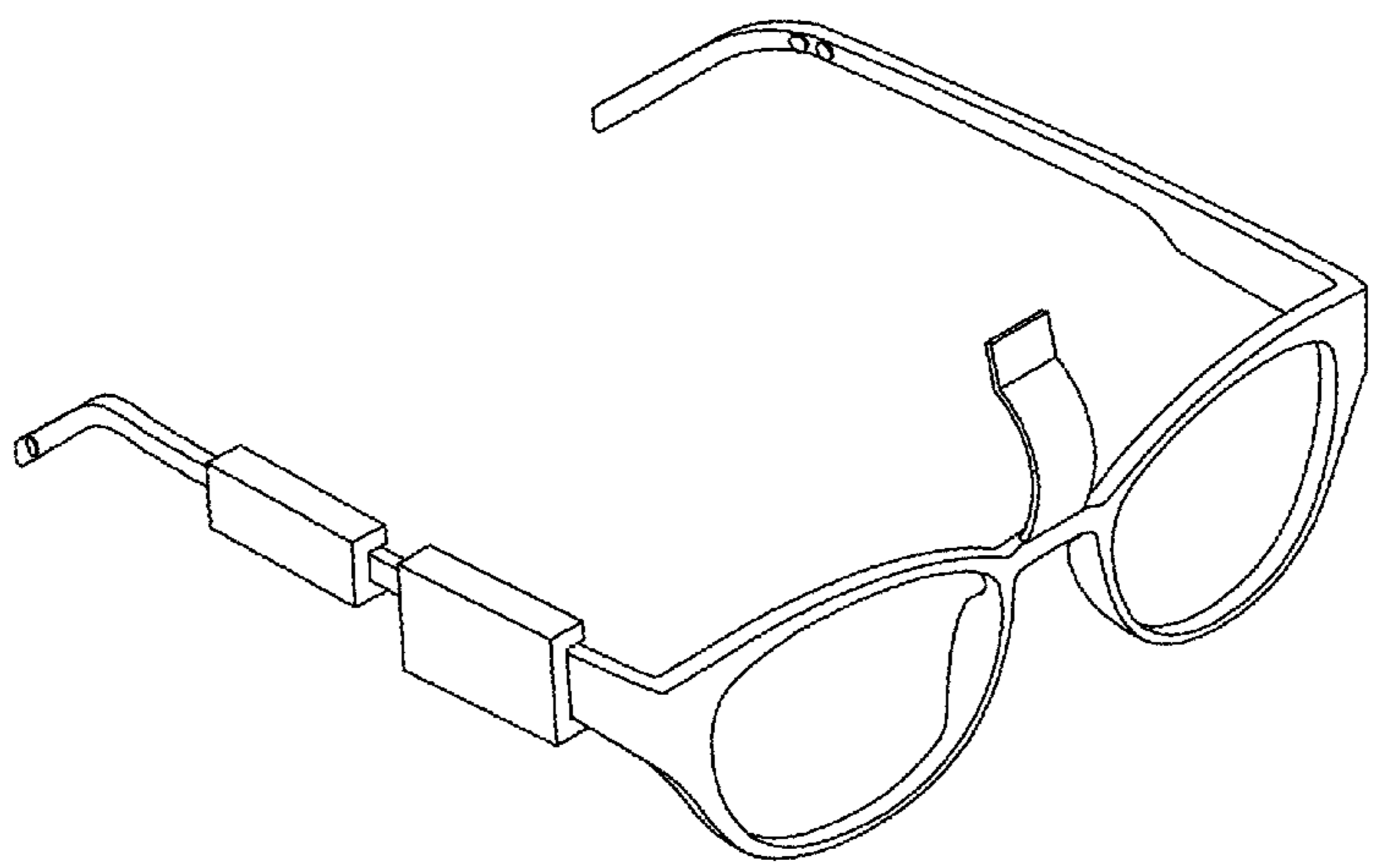
(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
  
D372,928 S \* 8/1996 Brune ..... D16/311  
D420,035 S \* 2/2000 Hartman ..... D16/325  
D420,038 S \* 2/2000 Hartman ..... D16/326  
6,824,265 B1 \* 11/2004 Harper ..... G02C 11/04 351/158  
  
7,422,324 B2 \* 9/2008 Lee ..... G02C 11/04 351/158  
  
D598,946 S \* 8/2009 Roux ..... D16/315  
D613,328 S \* 4/2010 Carlow ..... D16/300  
D634,348 S \* 3/2011 Suzuki ..... D16/300  
D639,332 S \* 6/2011 Basler ..... D16/300  
D645,492 S \* 9/2011 Zhao ..... D16/309  
D646,316 S \* 10/2011 Zhao ..... D16/309  
D664,183 S \* 7/2012 Stepan ..... D16/309  
D671,590 S \* 11/2012 Klinar ..... D16/309  
D681,092 S \* 4/2013 Sogabe ..... D16/309  
D681,096 S \* 4/2013 Slosar ..... D16/321  
D681,097 S \* 4/2013 Slosar ..... D16/321

(Continued)  
  
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(57) **CLAIM**  
The ornamental design for a spectacle frame for measuring bio-signal, as shown and described.

**DESCRIPTION**  
  
FIG. 1 is a top perspective view of a spectacle frame for measuring bio-signal;  
FIG. 2 is a top plan view thereof;  
FIG. 3 is a bottom plan view thereof;  
FIG. 4 is a front elevational view thereof;  
FIG. 5 is a rear elevational view thereof;  
FIG. 6 is a left side elevational view thereof;  
FIG. 7 is a right side elevational view thereof; and,  
FIG. 8 is a perspective view illustrating the spectacle frame for measuring bio-signal in a state of use.

**1 Claim, 6 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D693,398 S *	11/2013	Rubin .....	D16/303	D748,720 S *	2/2016	Lee .....	D16/326
D716,365 S *	10/2014	Yamano .....	D16/300	D751,552 S *	3/2016	Osterhout .....	D14/372
D733,211 S *	6/2015	Mehin .....	D16/315	D752,679 S *	3/2016	Smith .....	D16/311
D733,213 S *	6/2015	Stables .....	D16/326	D753,211 S *	4/2016	DiChiara .....	D16/309
D748,715 S *	2/2016	Li .....	D16/309	D754,781 S *	4/2016	Fitzritson .....	D16/306
				D757,007 S *	5/2016	Cazalet .....	D14/372
				D757,153 S *	5/2016	Gochenour .....	D16/300
				D757,154 S *	5/2016	Muftic .....	D16/300

\* cited by examiner

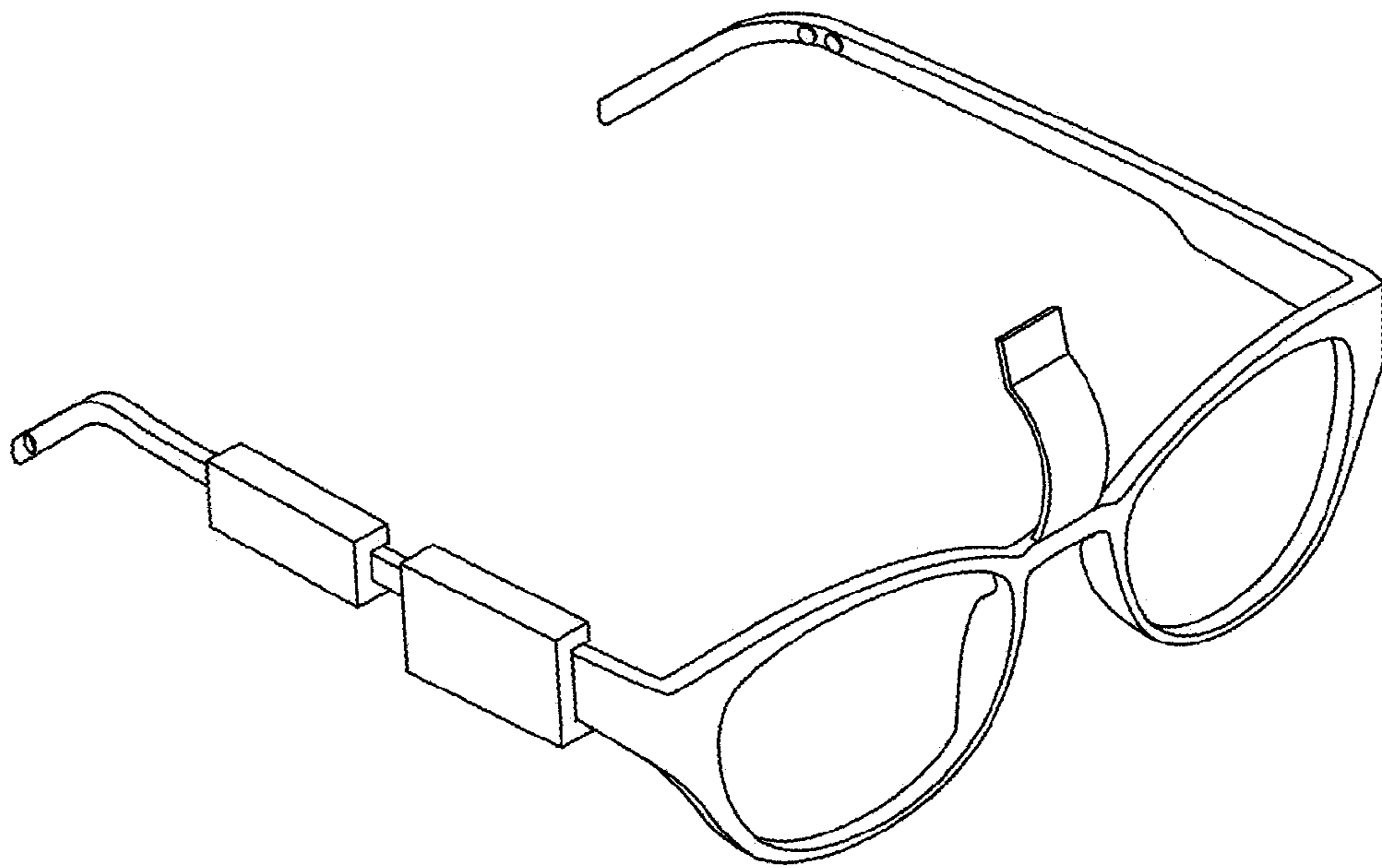


FIG. 1

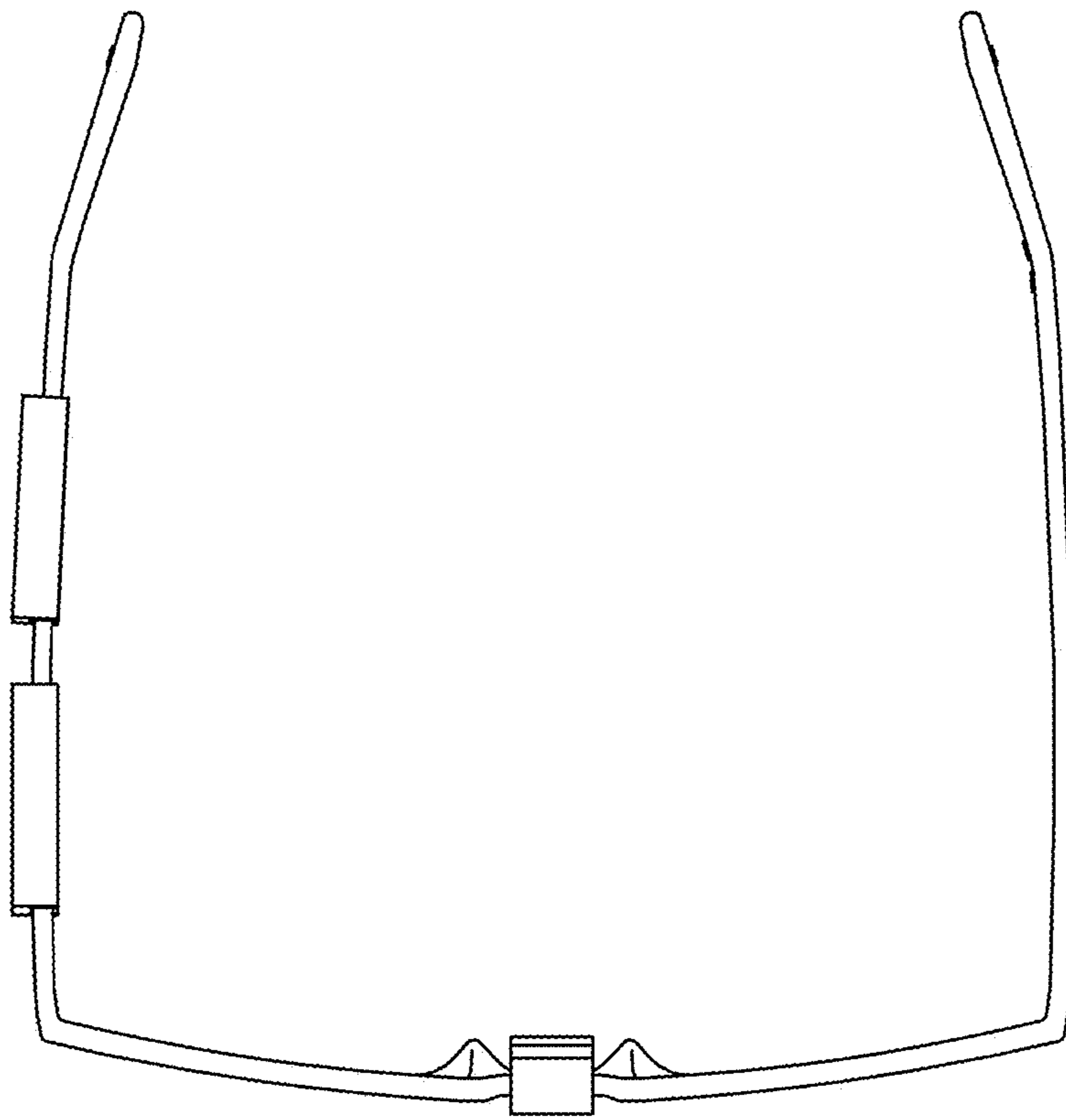


FIG. 2

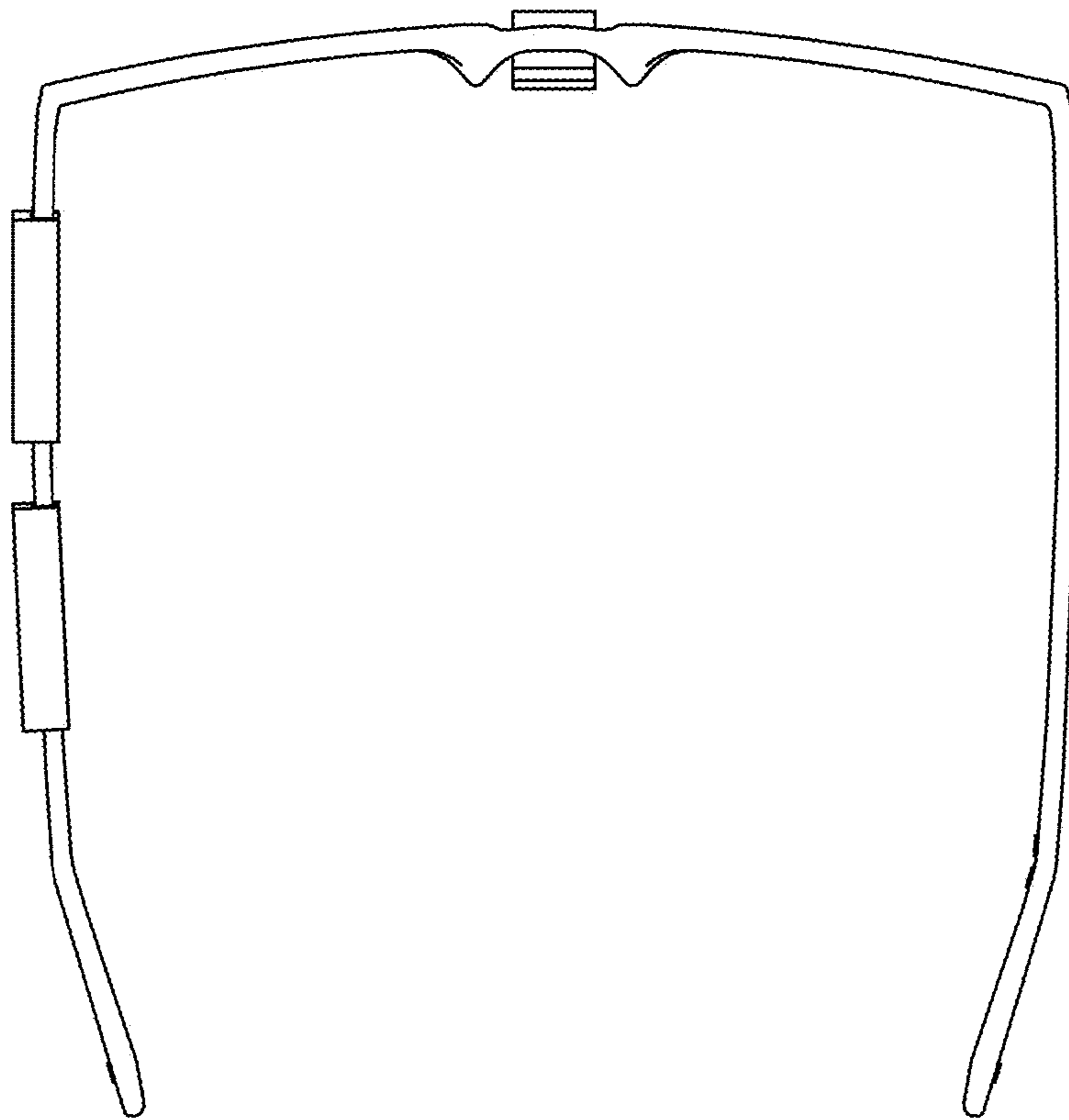


FIG. 3

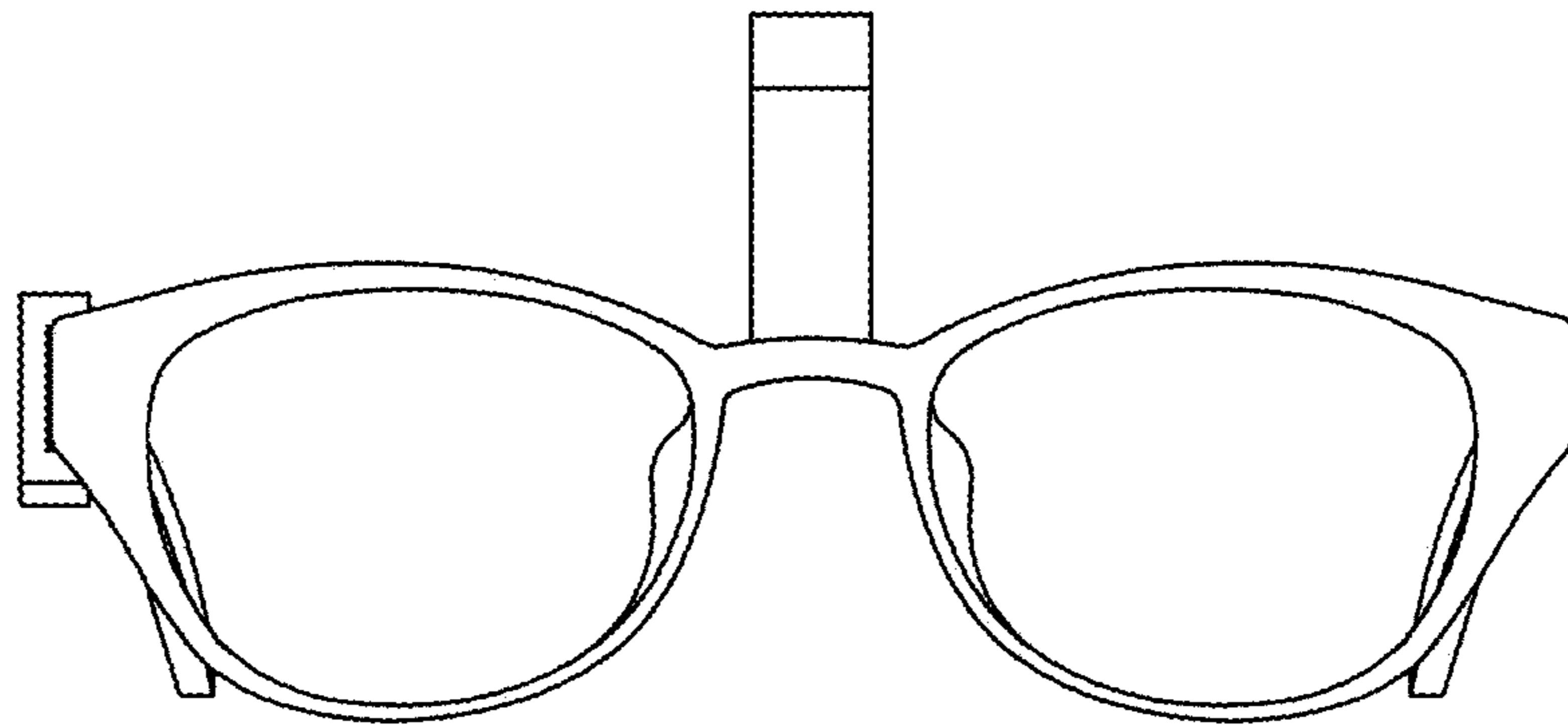


FIG. 4

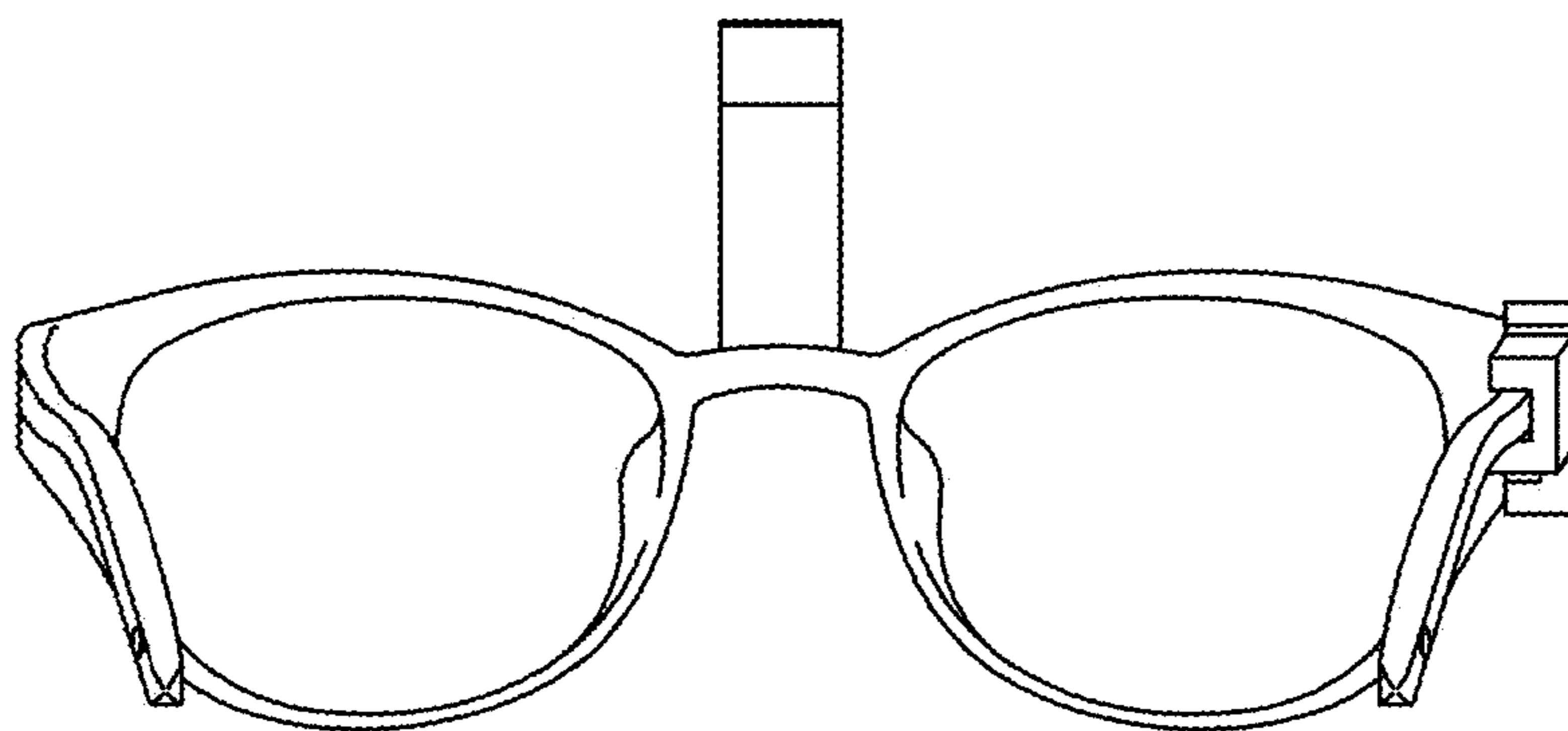


FIG. 5

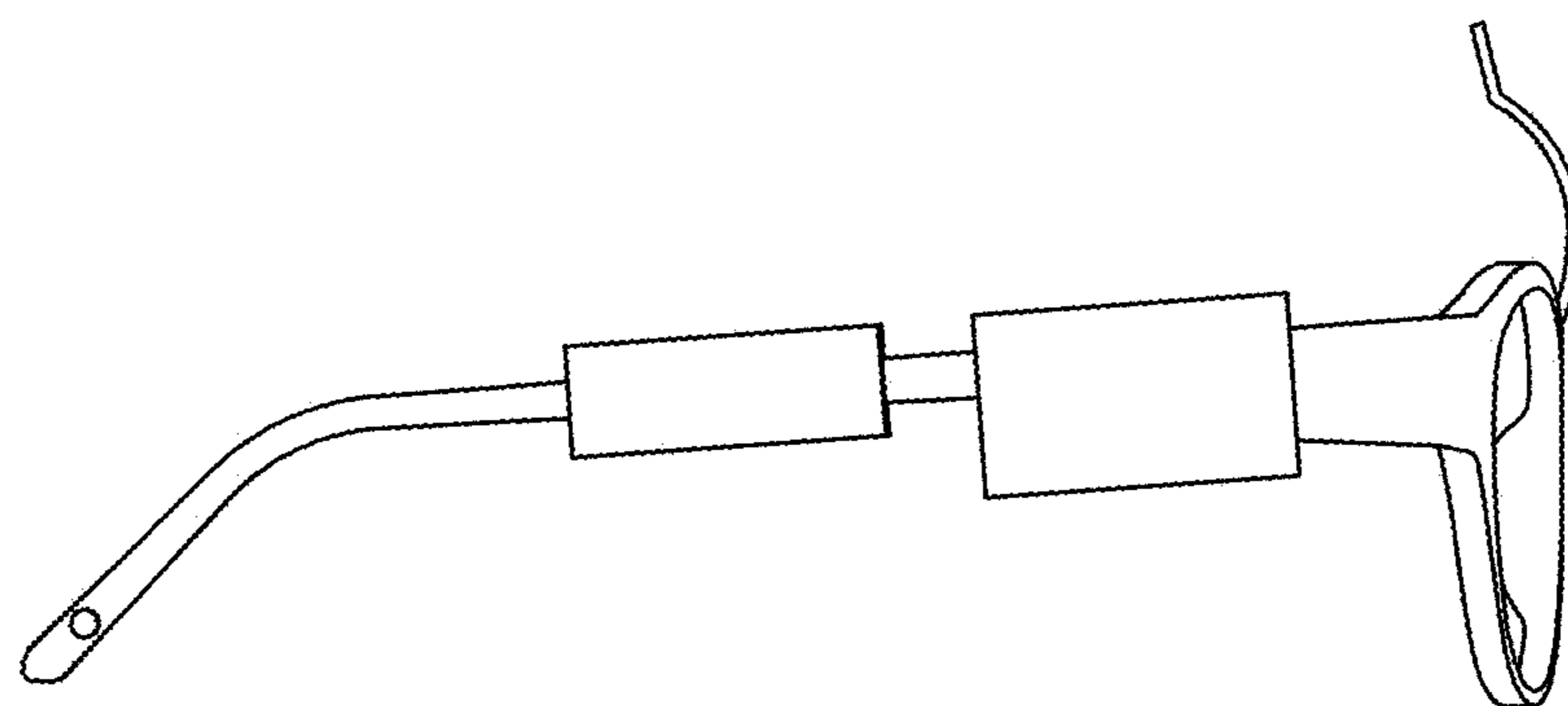


FIG. 6

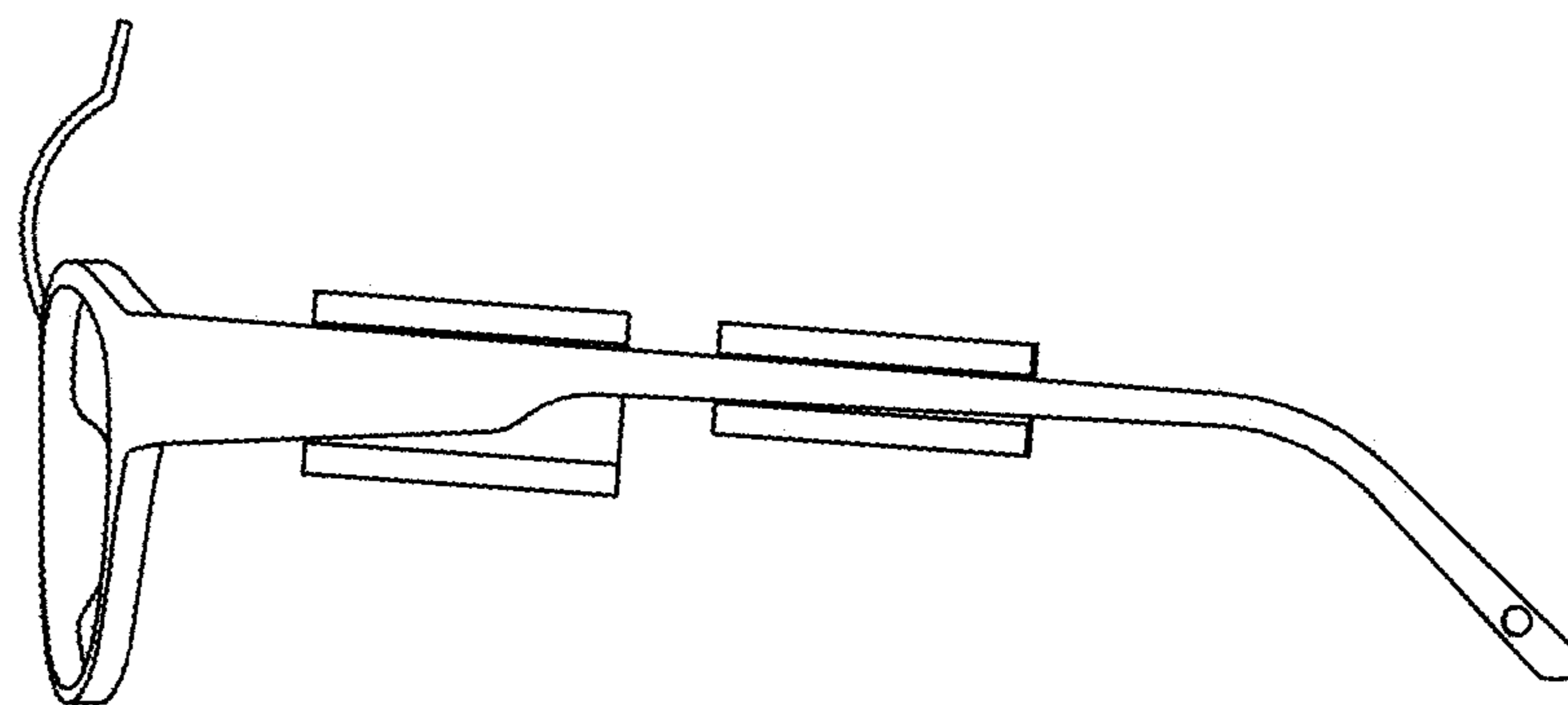


FIG. 7

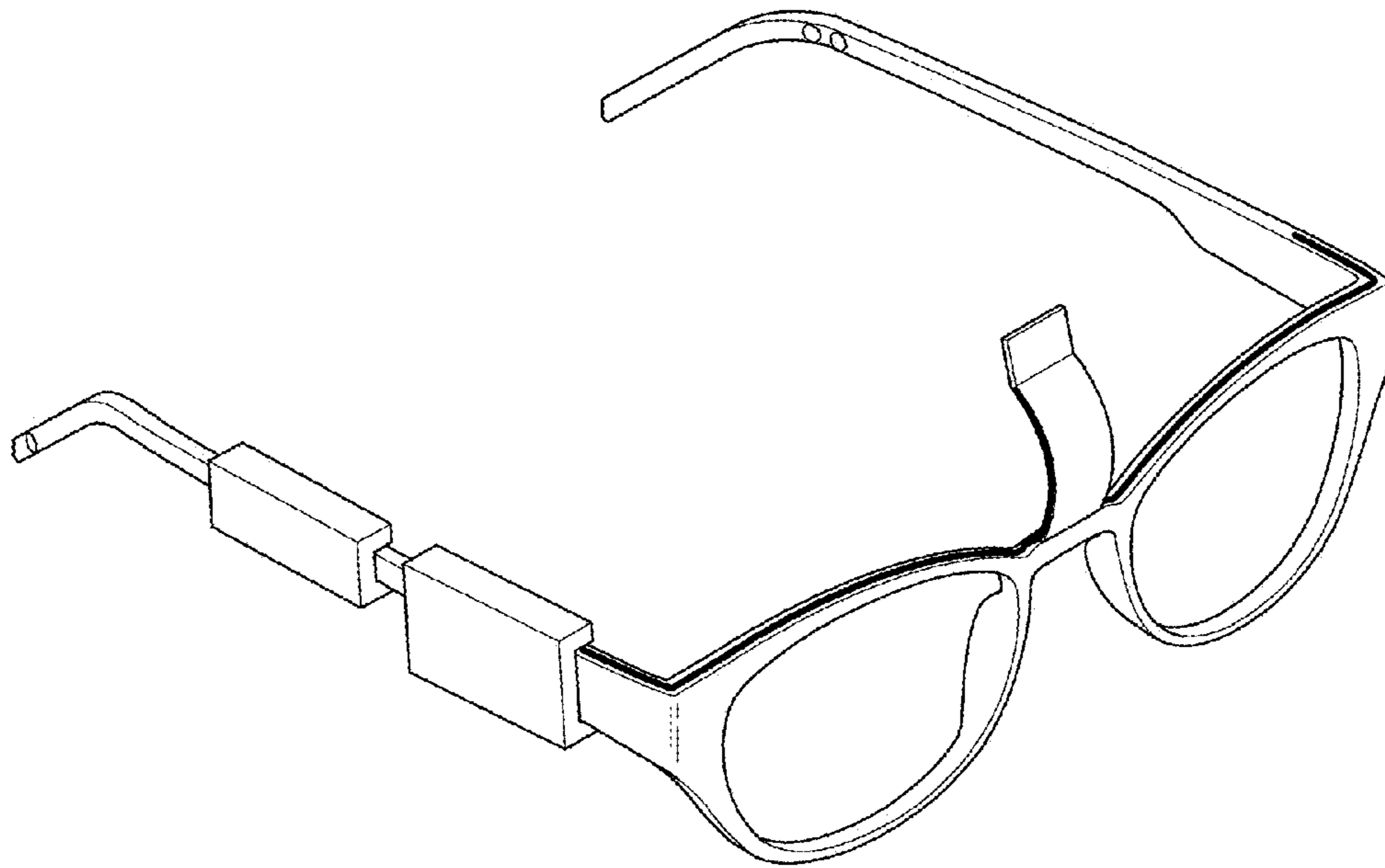


FIG. 8