



US00D914231S

(12) **United States Design Patent** (10) **Patent No.:** **US D914,231 S**
Ong et al. (45) **Date of Patent:** **** Mar. 23, 2021**

(54) **SAMPLE PROCESSING APPARATUS**
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(**) Term: **15 Years**
(21) Appl. No.: **29/714,047**
(22) Filed: **Nov. 20, 2019**
(51) **LOC (13) Cl.** **24-01**
(52) **U.S. Cl.**
USPC **D24/216**
(58) **Field of Classification Search**
USPC D24/107, 185, 186, 216–219, 231–234; D10/81
CPC G01N 2035/00306; G01N 2035/00326; G01N 2035/00336; G01N 2030/027; G01N 21/6458; G01N 21/6484; G01N 21/6486; G01N 21/76; G01N 35/025
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,443,791 A	8/1995	Richard et al.	
D368,143 S *	3/1996	Willows	D24/232
6,086,737 A *	7/2000	Patonay	C12Q 1/6869 204/452
6,193,892 B1	2/2001	Krueger et al.	
6,368,561 B1	4/2002	Rutishauser et al.	
6,906,292 B2	6/2005	Weinfeld et al.	
7,264,111 B2	9/2007	Veiner	
7,338,199 B2	3/2008	Hafner	
D599,234 S *	9/2009	Ito	D10/81
D621,523 S *	8/2010	Onuma	D24/234
7,776,221 B2	8/2010	Brassard	
D653,764 S *	2/2012	Macemon	D24/216
8,161,831 B2	4/2012	Fukuma	
8,393,781 B2	3/2013	Manera et al.	
8,573,071 B2	11/2013	Krueger et al.	
8,691,149 B2	4/2014	Fritchie et al.	
8,984,968 B2	3/2015	Bonk et al.	

(Continued)

FOREIGN PATENT DOCUMENTS

CN 204672093 U 9/2015
JP 2000070755 A 3/2000

(Continued)

OTHER PUBLICATIONS

MGI Introduces Automated Sample Preparation Workstations, Streamlining Genomic Sequencing Workow—MGI. Feb. 15, 2019.*

Primary Examiner — Anhdao Doan

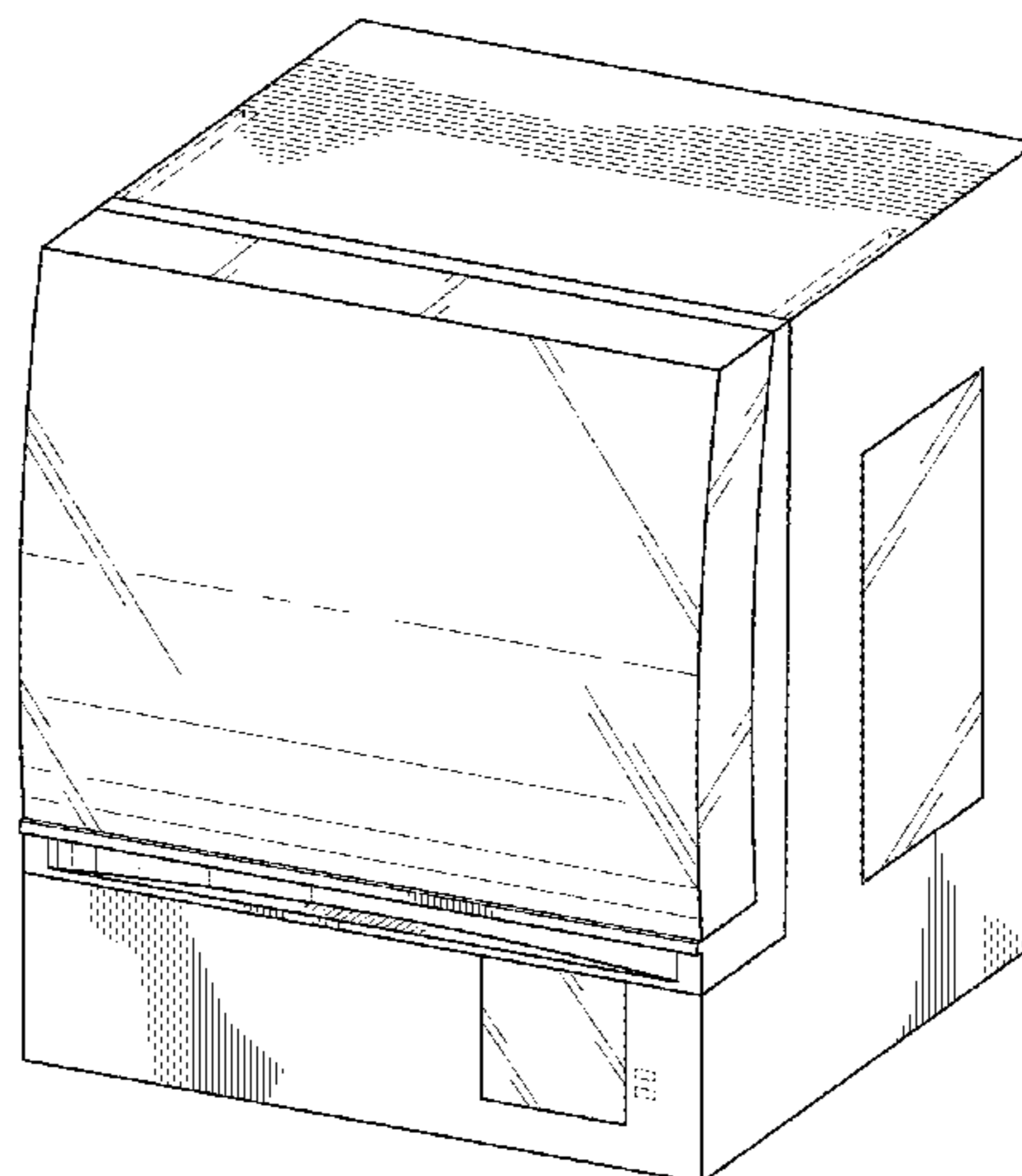
(57) **CLAIM**

We claim the ornamental design for a sample processing apparatus, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a sample processing apparatus of the present invention.
FIG. 2 is a front elevation view of the sample processing apparatus of FIG. 1.
FIG. 3 is a rear elevation view of the sample processing apparatus of FIG. 1.
FIG. 4 is a left side elevation view of the sample processing apparatus of FIG. 1.
FIG. 5 is a right side elevation view of the sample processing apparatus of FIG. 1.
FIG. 6 is a top plan view of the sample processing apparatus of FIG. 1; and,
FIG. 7 is a bottom plan view of the sample processing apparatus of FIG. 1.
In the drawings, the broken lines depict portions of the sample processing apparatus that form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

9,134,333	B2	9/2015	Kuwano et al.	
9,140,634	B1	9/2015	Knippschild et al.	
9,260,763	B2	2/2016	Thomas et al.	
9,335,338	B2	5/2016	Ochranek et al.	
9,618,139	B2	4/2017	Handique et al.	
D794,211	S *	8/2017	Ang	D24/232
D796,056	S *	8/2017	Saito	D24/232
10,399,048	B2	9/2019	Siow et al.	
D874,017	S *	1/2020	Jenoski	D24/216
D888,267	S *	6/2020	Salomon	D24/216
D890,361	S *	7/2020	Nuesch	D24/232
2007/0110617	A1	5/2007	Nagai et al.	
2007/0177457	A1	8/2007	Hafner	
2009/0040866	A1	2/2009	Rollin et al.	
2010/0173394	A1	7/2010	Colston, Jr. et al.	
2011/0071039	A1 *	3/2011	Kumar	G01N 21/76 506/9
2011/0088491	A1	4/2011	Krueger et al.	
2015/0079586	A1	3/2015	Keller et al.	
2015/0226759	A1 *	8/2015	Connolly	G01N 35/025 435/287.3
2016/0061714	A1 *	3/2016	Matsuura	G01N 35/04 29/402.08
2017/0128946	A1	5/2017	Williams et al.	
2018/0001285	A1	1/2018	Sung et al.	

FOREIGN PATENT DOCUMENTS

JP	2004283728	A	10/2004
JP	2007097470	A	4/2007
JP	2013508685	A	3/2013
WO	2011047233	A1	4/2011

* cited by examiner

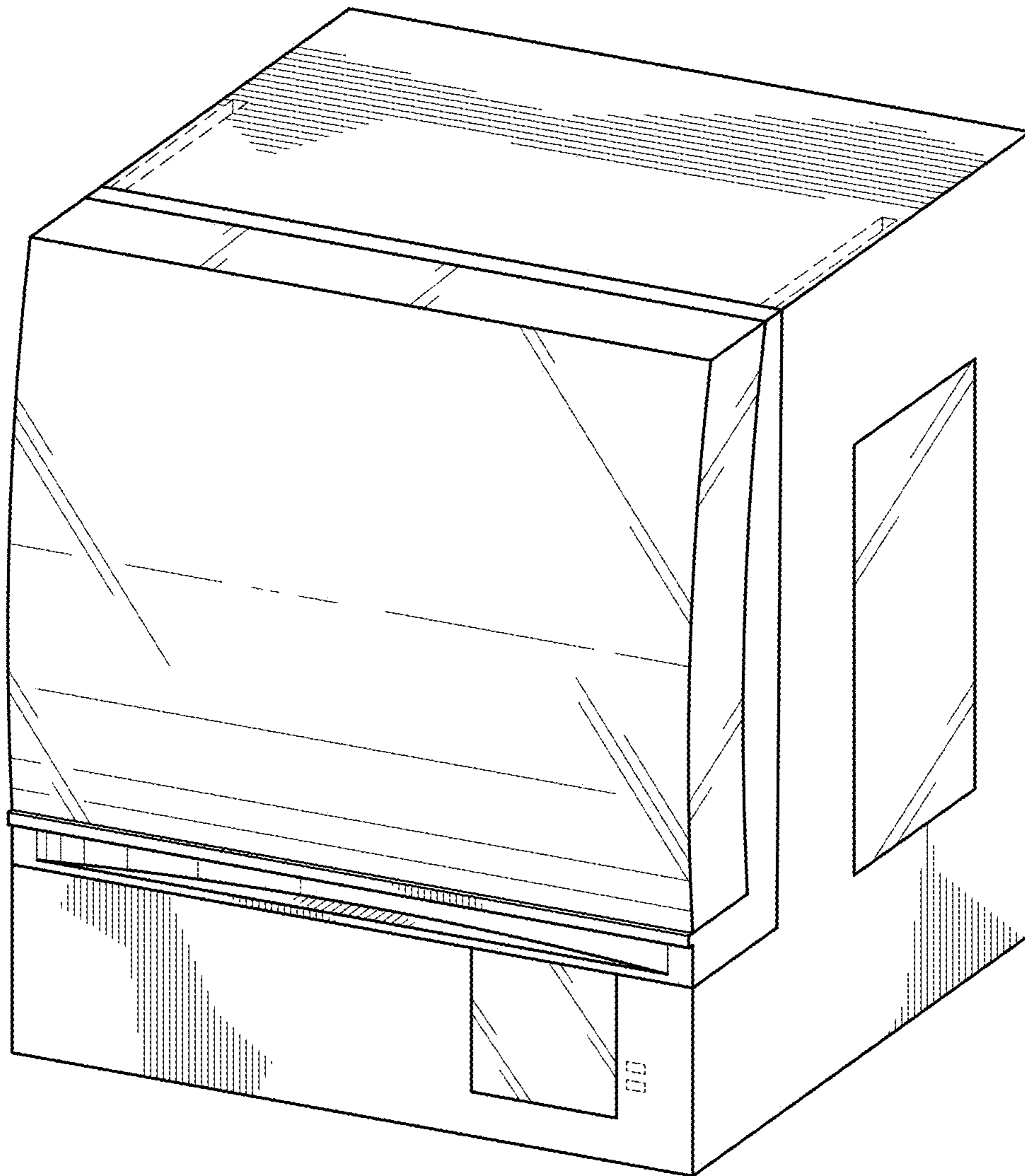


FIG. 1

FIG. 2

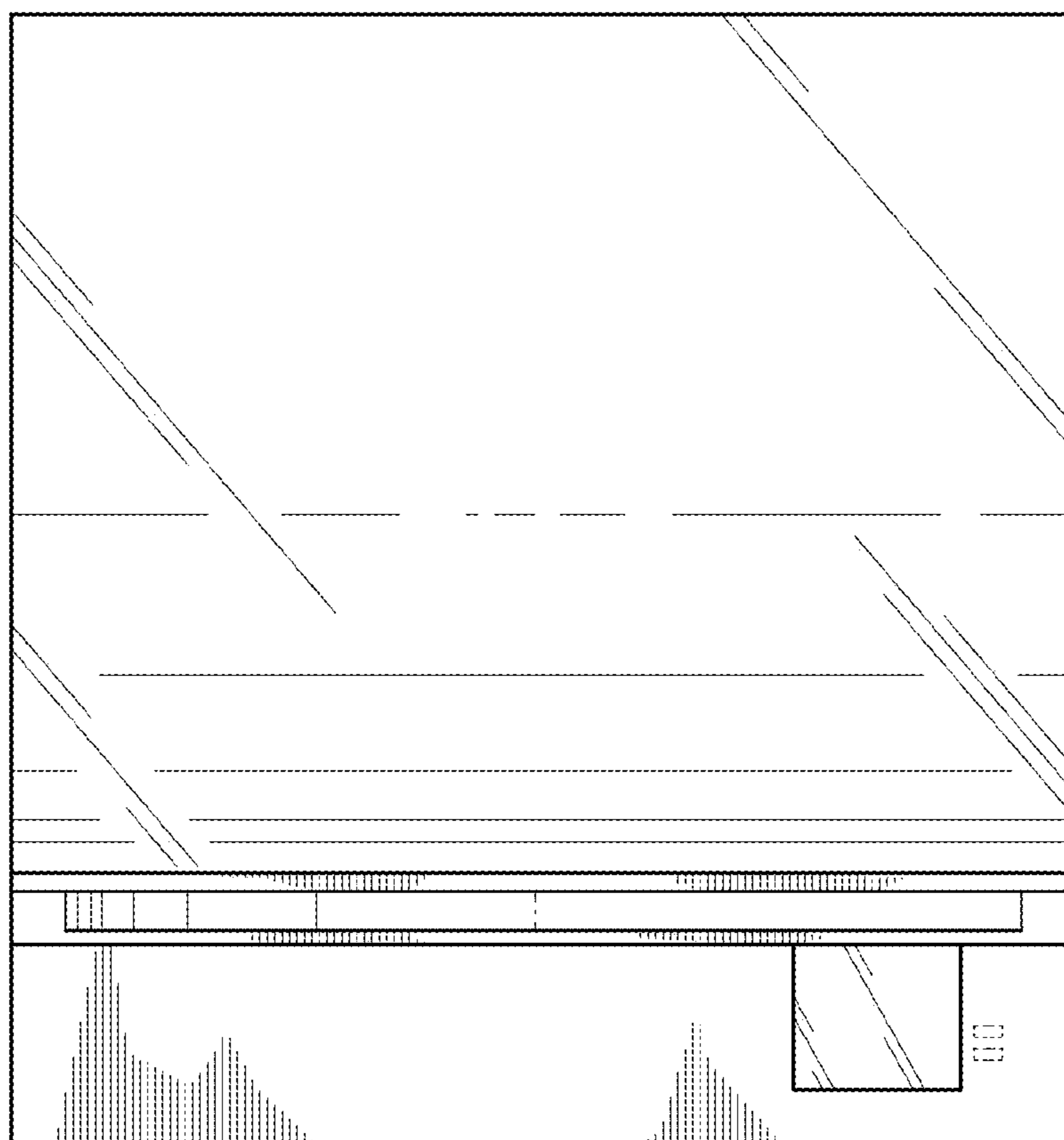
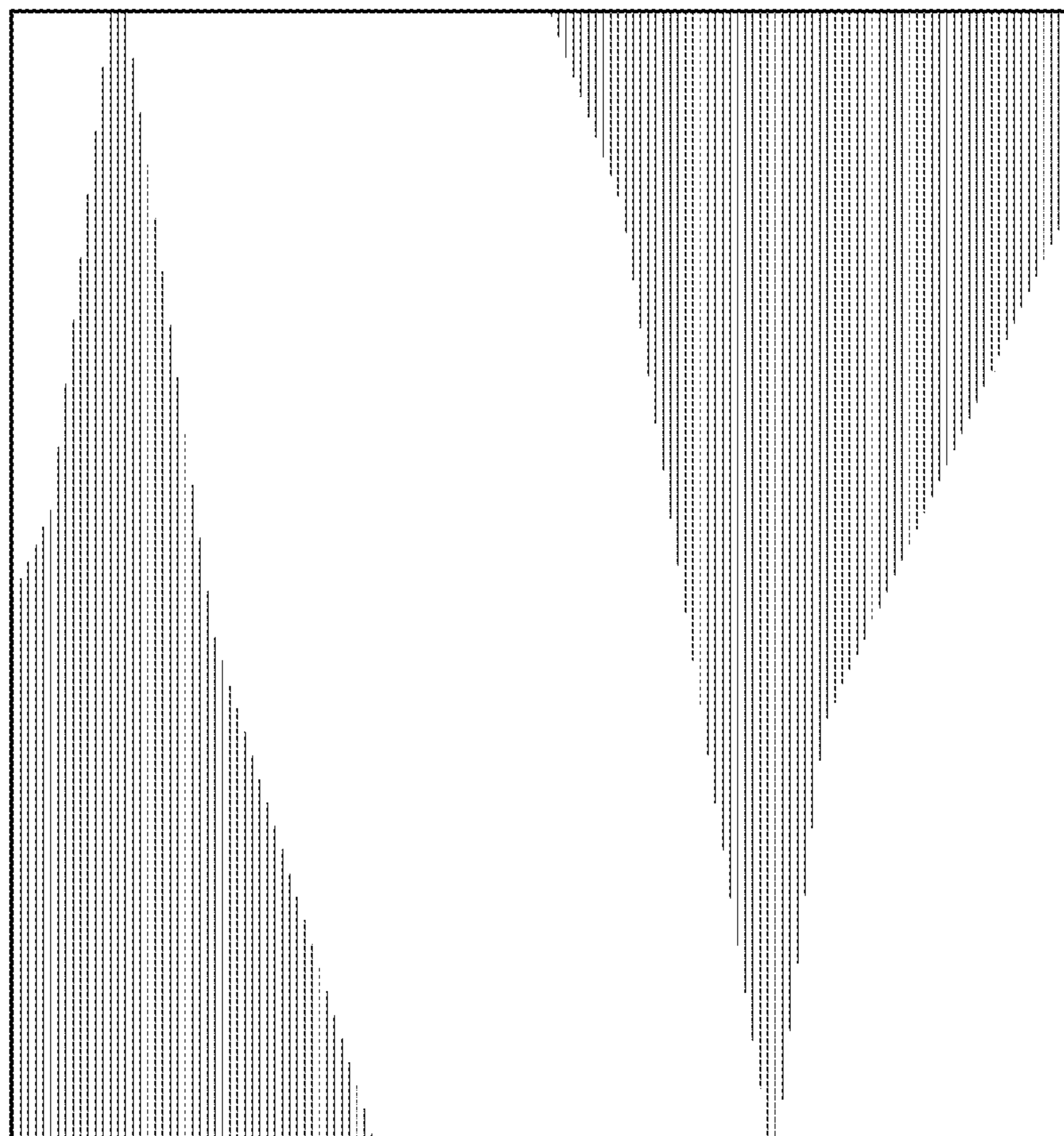


FIG. 3



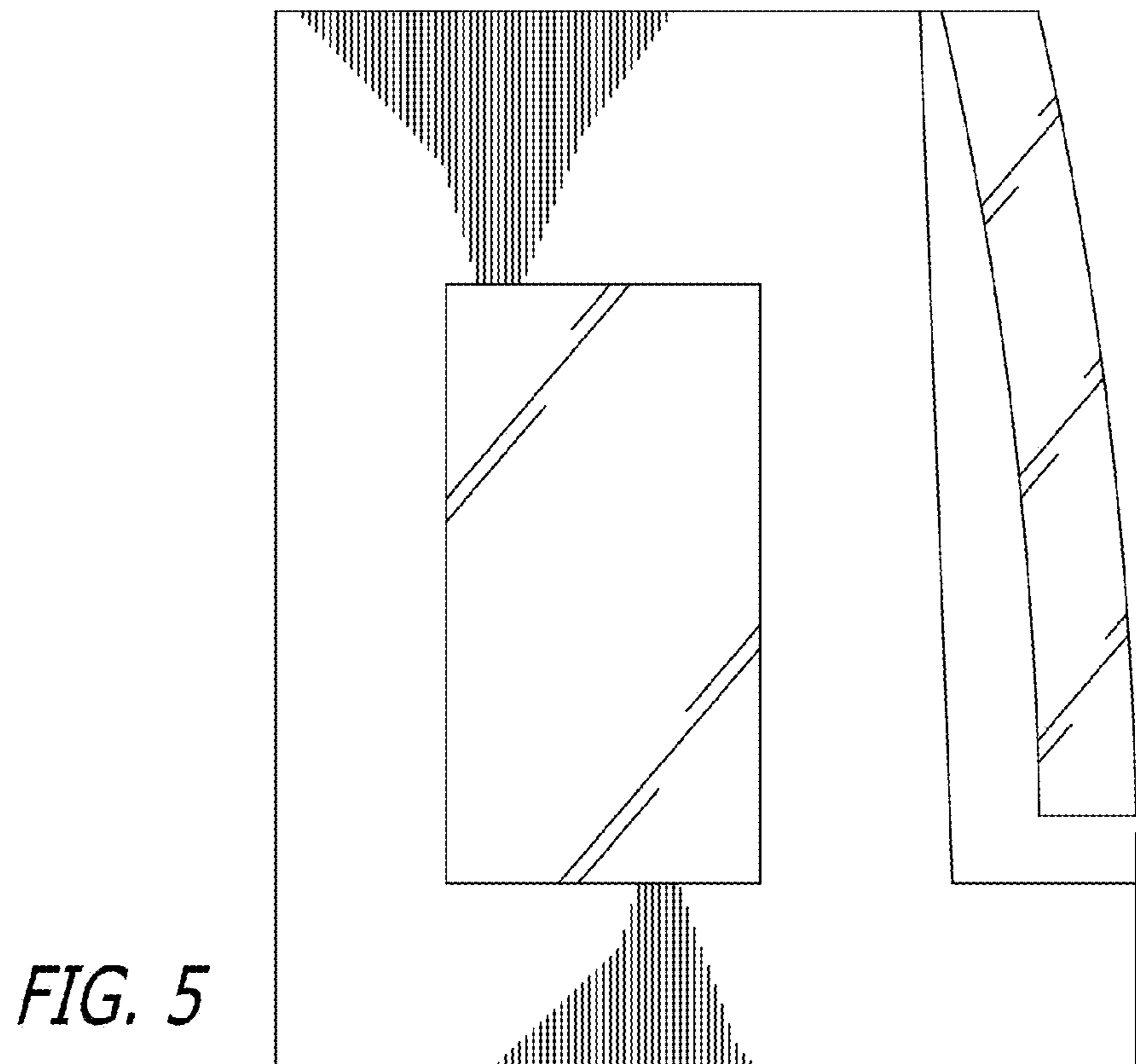
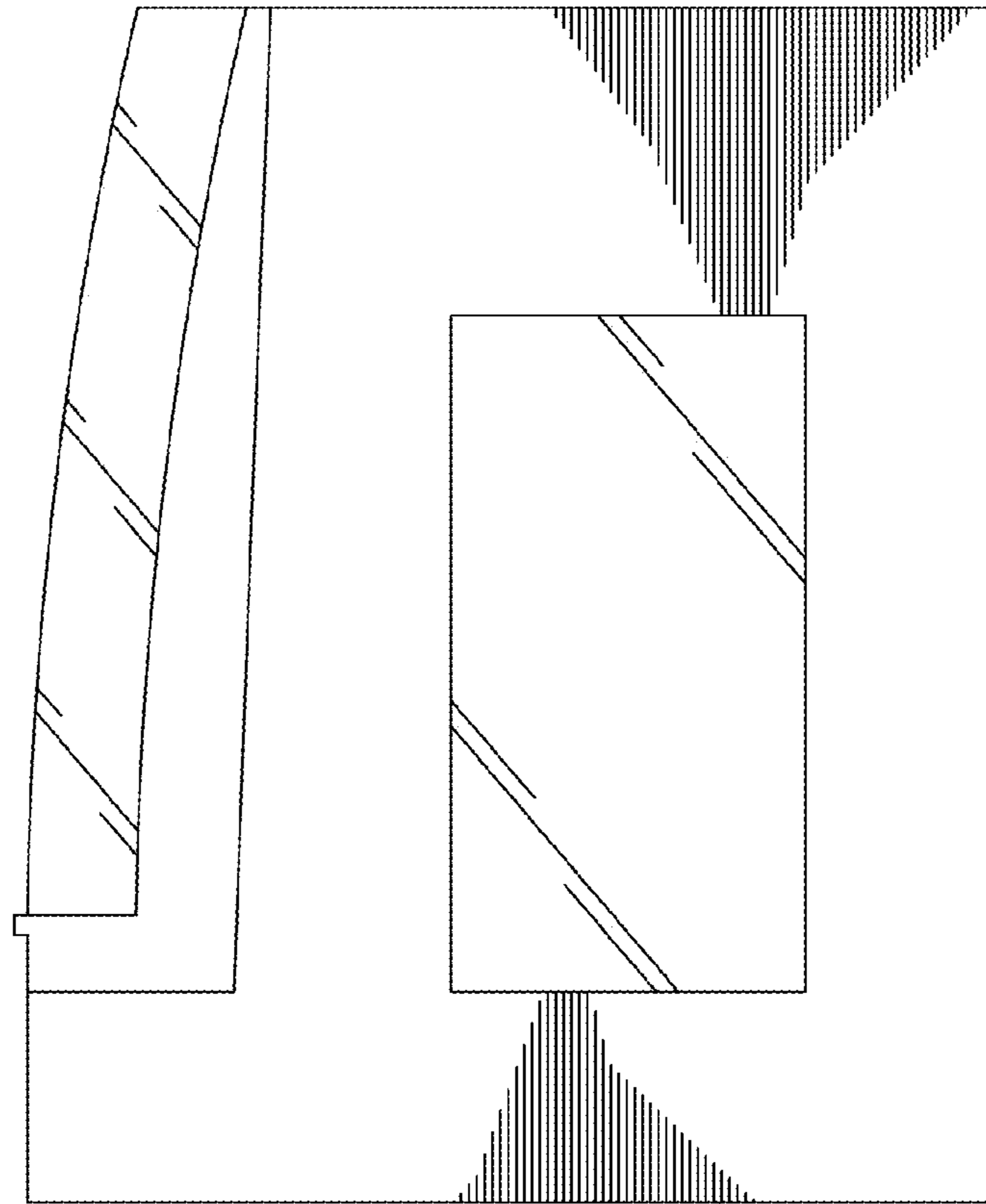


FIG. 6

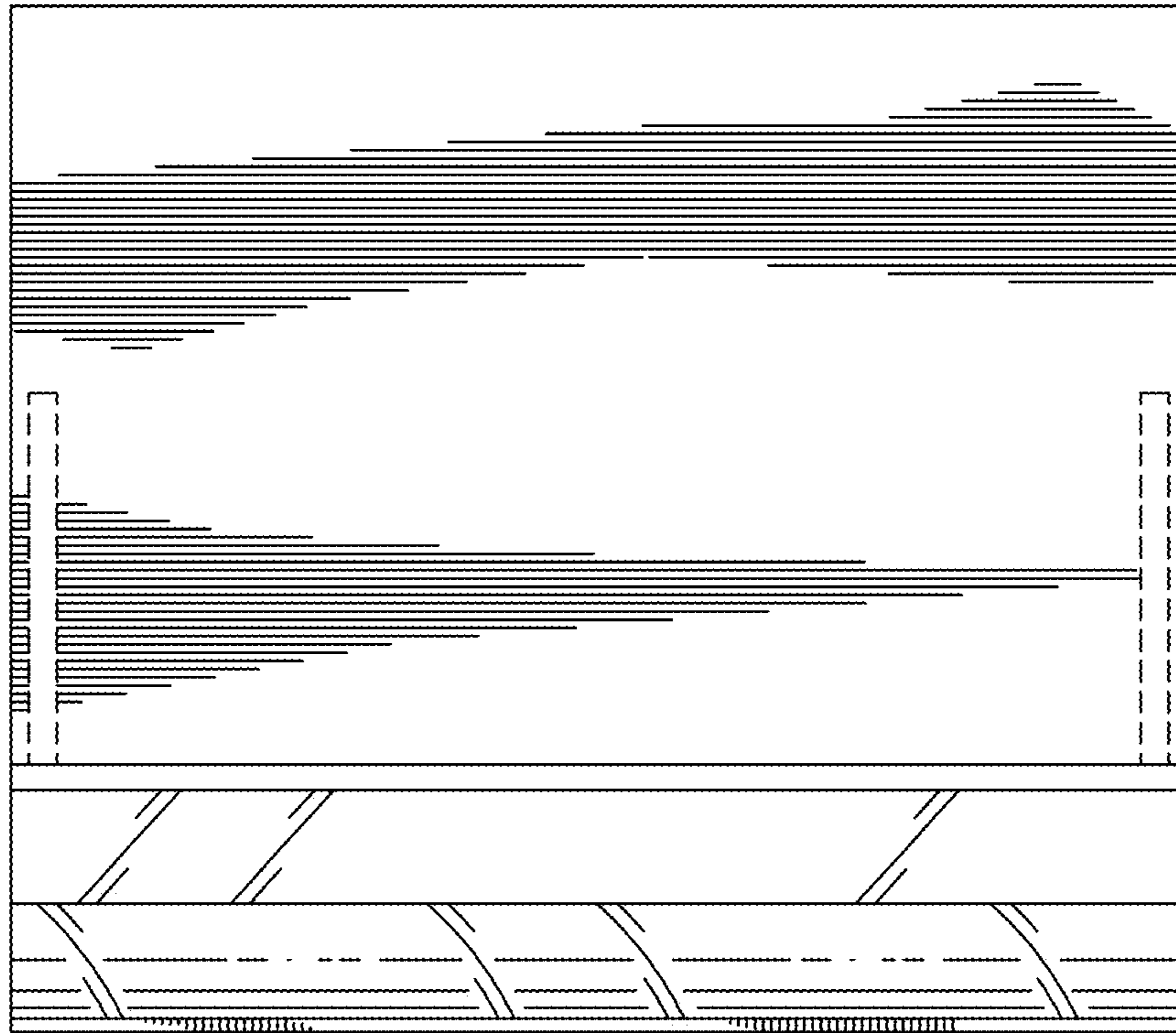


FIG. 7

