



US00D839116S

(12) **United States Design Patent**
Hirose et al.

(10) **Patent No.:** **US D839,116 S**
(45) **Date of Patent:** **** Jan. 29, 2019**

(54) **SPECTROMETER**

(71) Applicant: **HAMAMATSU PHOTONICS K.K.**,
Shizuoka (JP)
(72) Inventors: **Masaki Hirose**, Hamamatsu (JP);
Katsumi Shibayama, Hamamatsu (JP);
Takashi Kasahara, Hamamatsu (JP);
Toshimitsu Kawai, Hamamatsu (JP);
Hiroki Oyama, Hamamatsu (JP); **Yumi**
Teramachi, Hamamatsu (JP); **Takafumi**
Yokino, Hamamatsu (JP); **Katsuhiko**
Kato, Hamamatsu (JP)

(73) Assignee: **HAMAMATSU PHOTONICS K.K.**,
Hamamatsu-shi, Shizuoka (JP)

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

(21) Appl. No.: **35/504,111**

(22) Filed: **Jun. 6, 2017**

(80) **Hague Agreement Data**

Int. Filing Date: **Jun. 6, 2017**
Int. Reg. No.: **DM/096394**
Int. Reg. Date: **Jun. 6, 2017**
Int. Reg. Pub. Date: **Dec. 8, 2017**

(30) **Foreign Application Priority Data**

Dec. 28, 2016 (JP) 2016-028540

(51) **LOC (11) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/81**

(58) **Field of Classification Search**
USPC D10/81, 47; D13/158, 159, 160
CPC G01J 3/0256; G01N 21/67
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,686,998	B2 *	2/2004	Gianchandani	G01N 21/67	313/163
D603,280	S *	11/2009	Shibayama	D10/81	
D603,729	S *	11/2009	Shibayama	D10/81	
D603,730	S *	11/2009	Shibayama	D10/81	
D603,731	S *	11/2009	Shibayama	D10/81	
D730,217	S *	5/2015	Yokino	D10/81	
D733,599	S *	7/2015	Yokino	D10/81	
D744,878	S *	12/2015	Yokino	D10/46	
9,746,616	B2 *	8/2017	Ko	G01J 3/0256	

* cited by examiner

Primary Examiner — George D. Kirschbaum

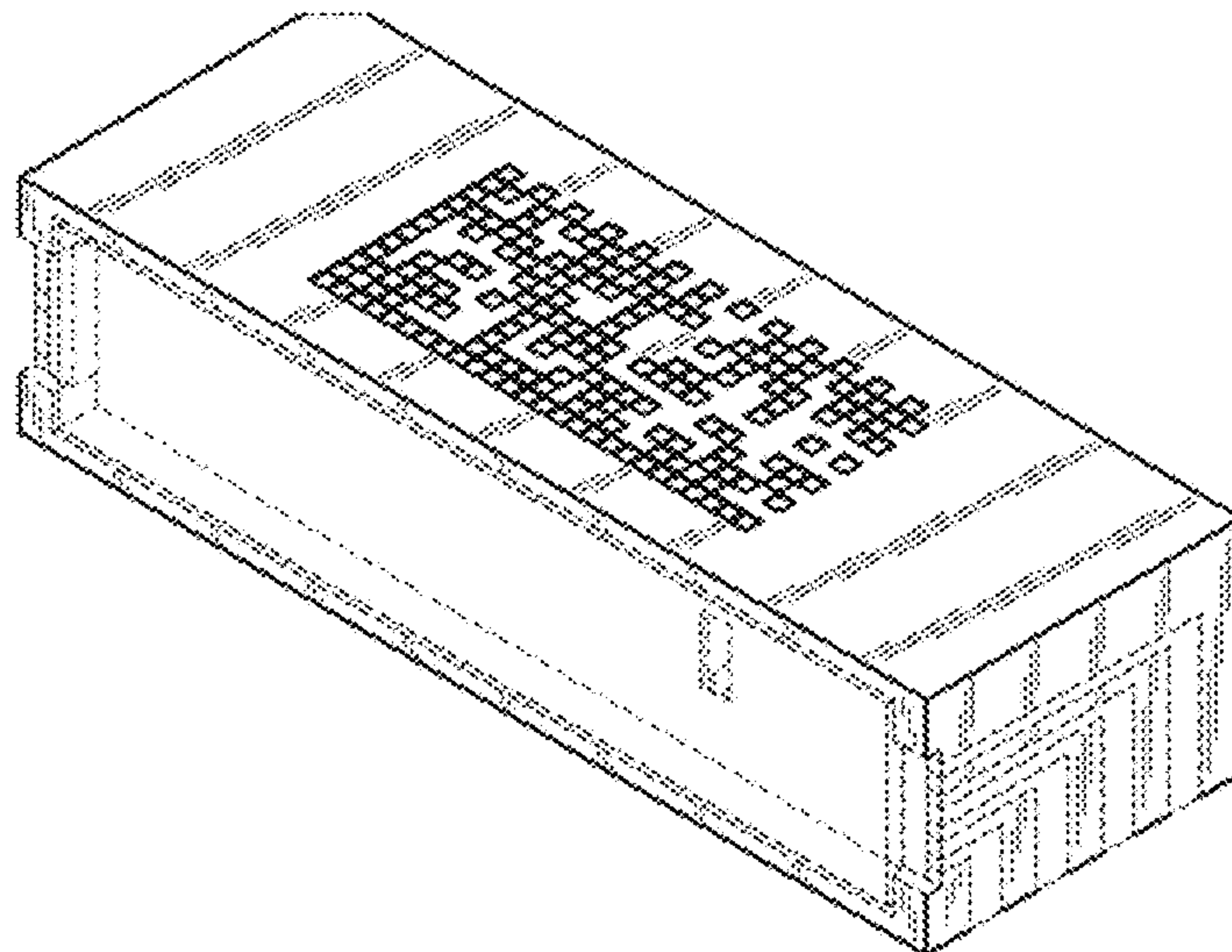
(57) **CLAIM**

The ornamental design for a spectrometer, as shown and described.

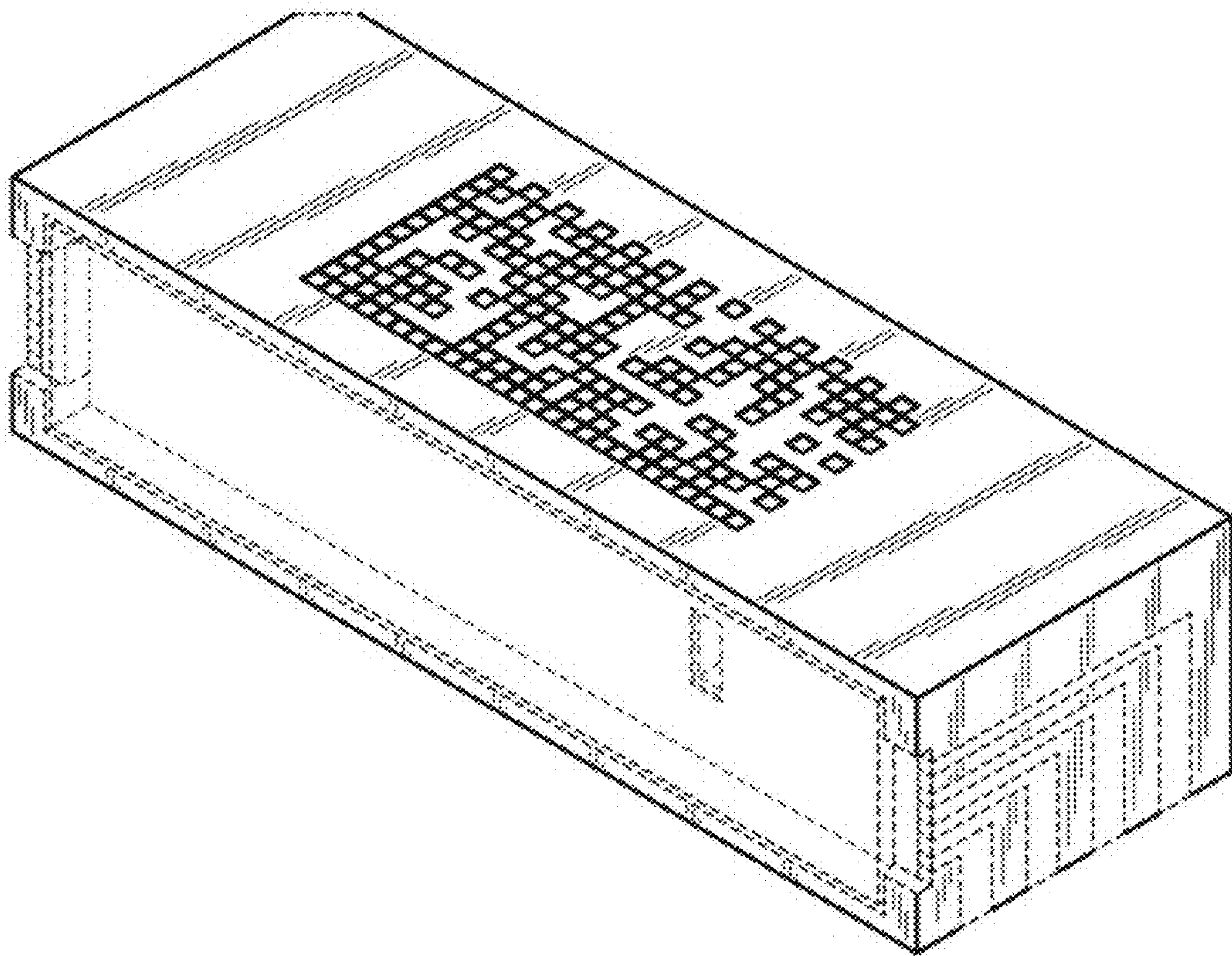
DESCRIPTION

1. Spectrometer
1.1 : Perspective
1.2 : Front
1.3 : Back
1.4 : Top
1.5 : Bottom
1.6 : Left
1.7 : Right
1.8 : Partial enlarged cross-sectional view
1.9 : Partial enlarged top view
1.10 : Partial enlarged perspective view
The broken line showing is included for the purpose of illustrating portions of the “article” and forms no part of the claimed design.

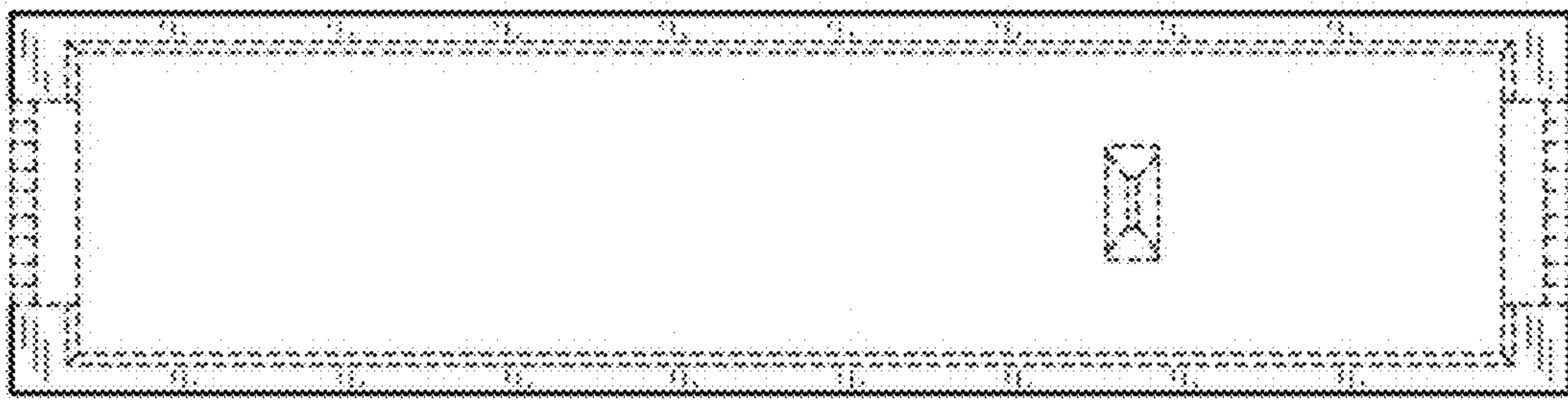
1 Claim, 10 Drawing Sheets



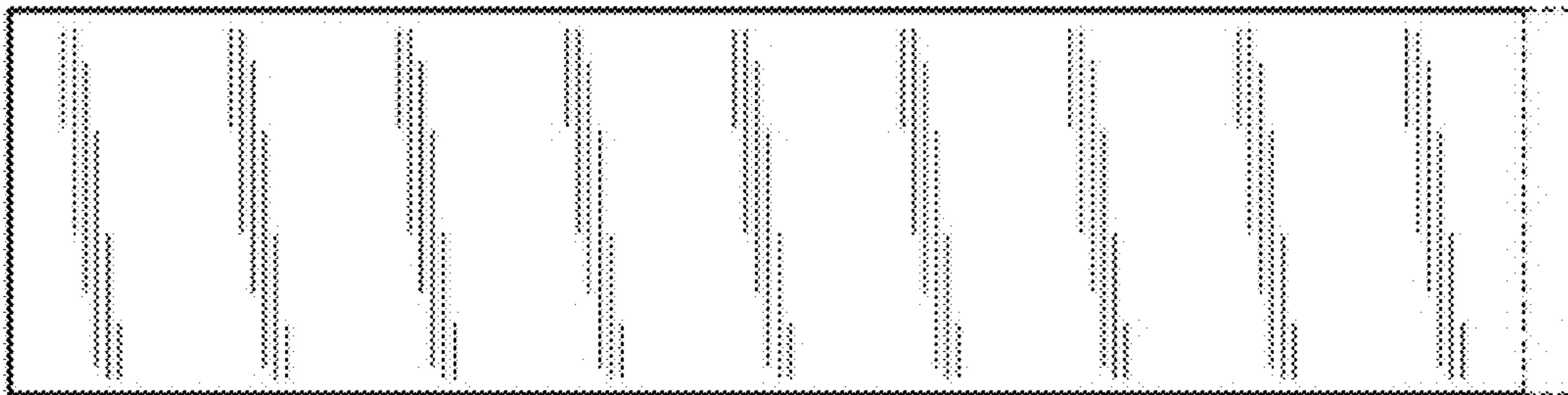
1.1



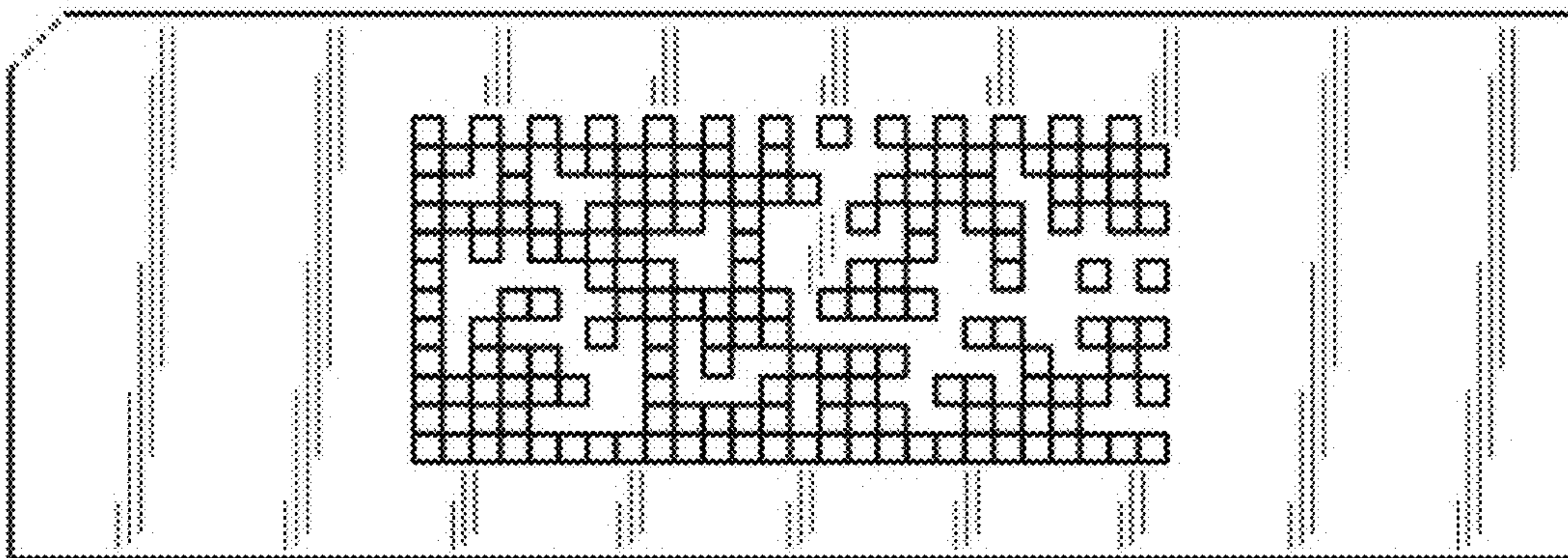
1.2



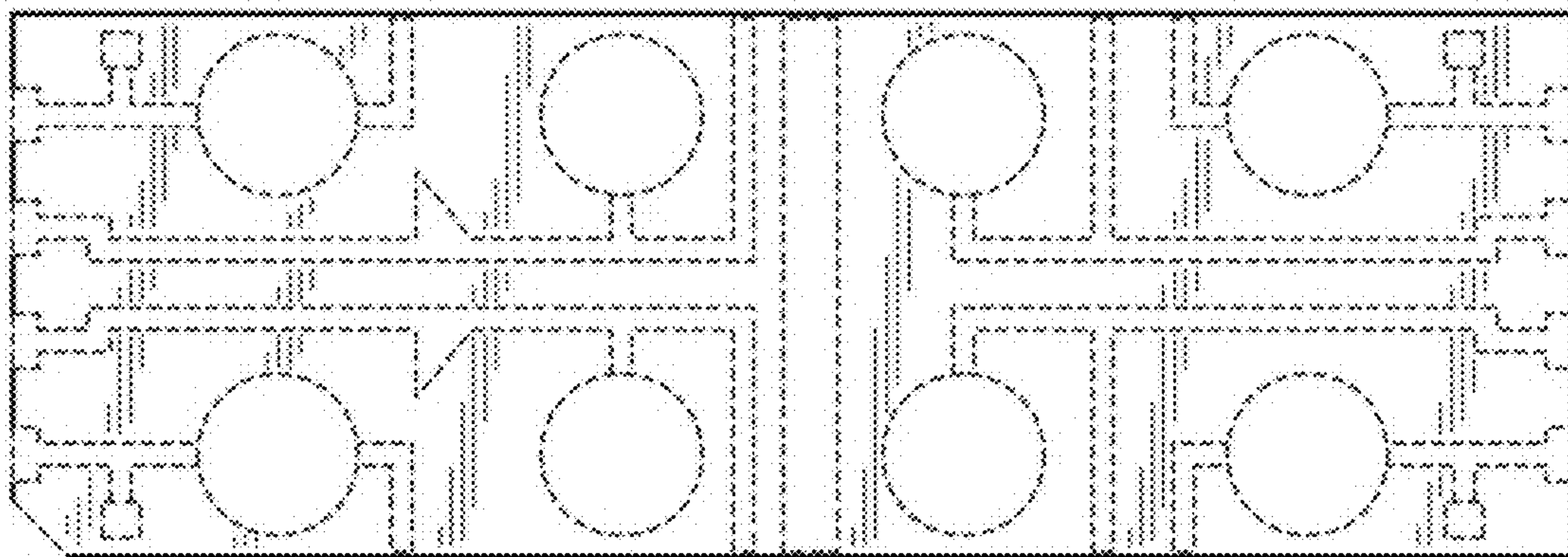
1.3



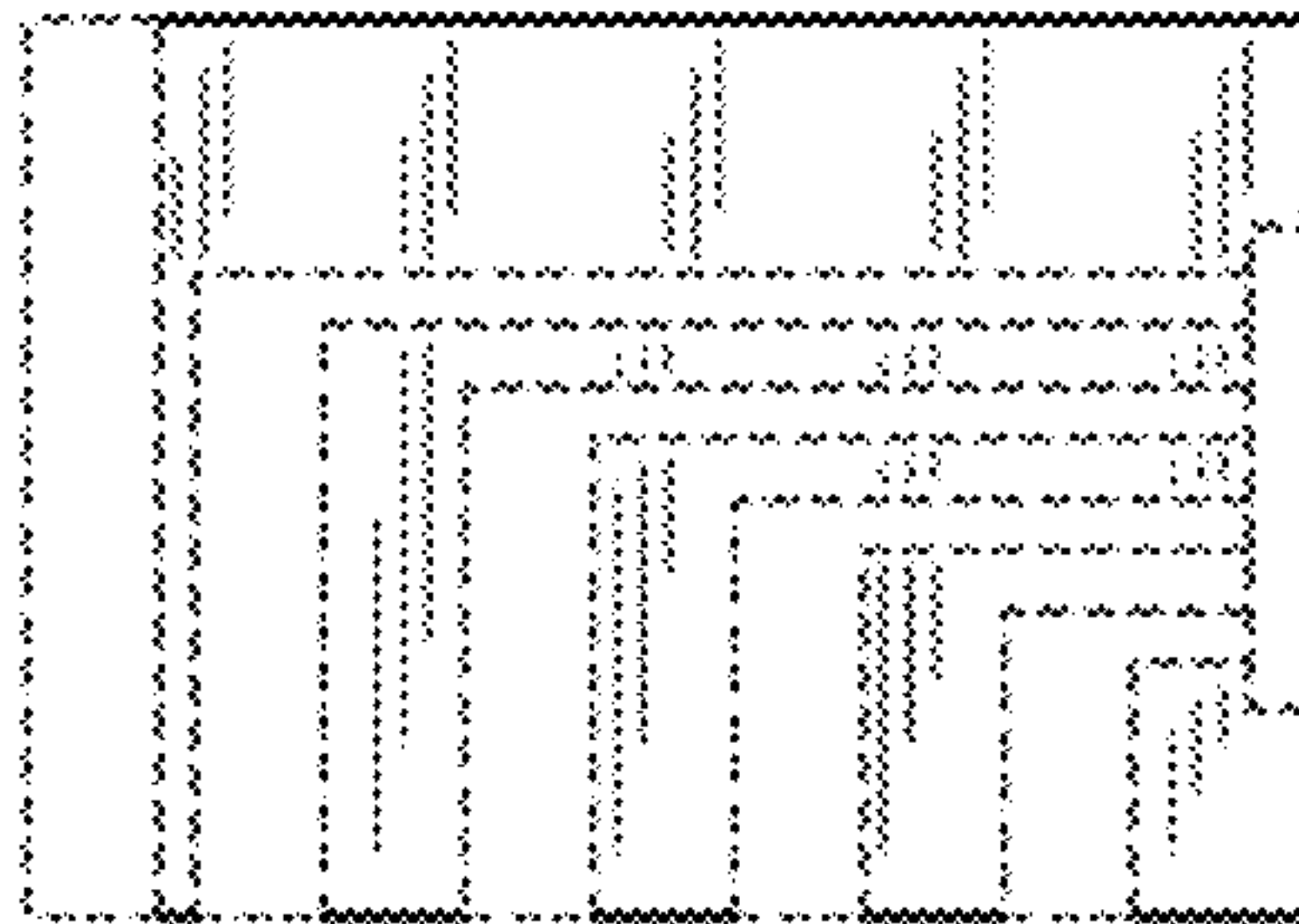
1.4



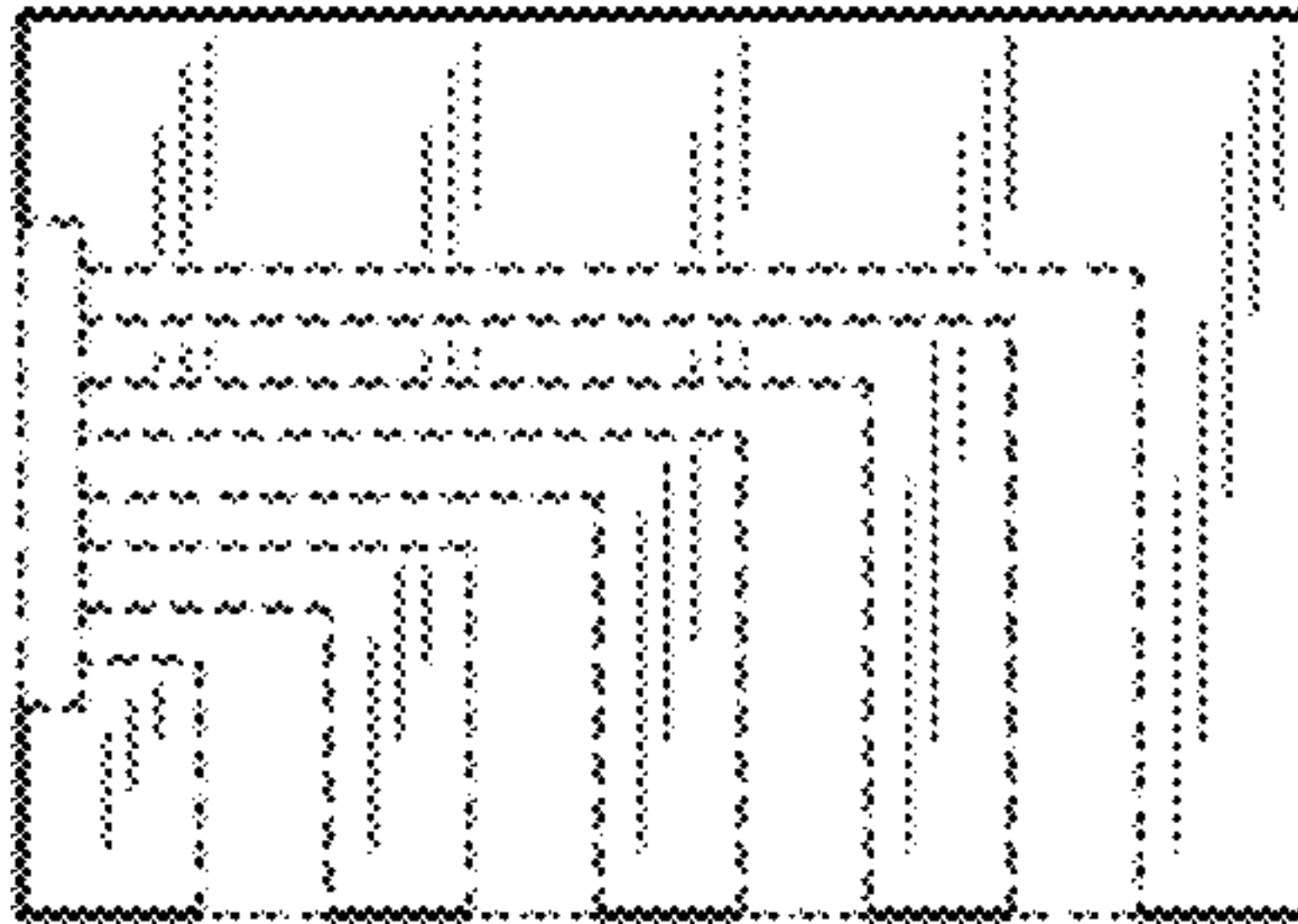
1.5



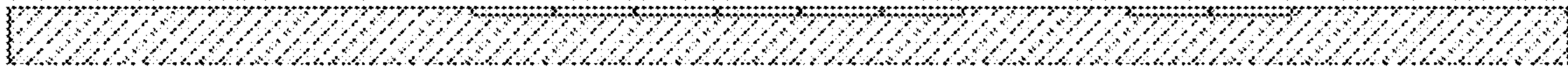
1.6



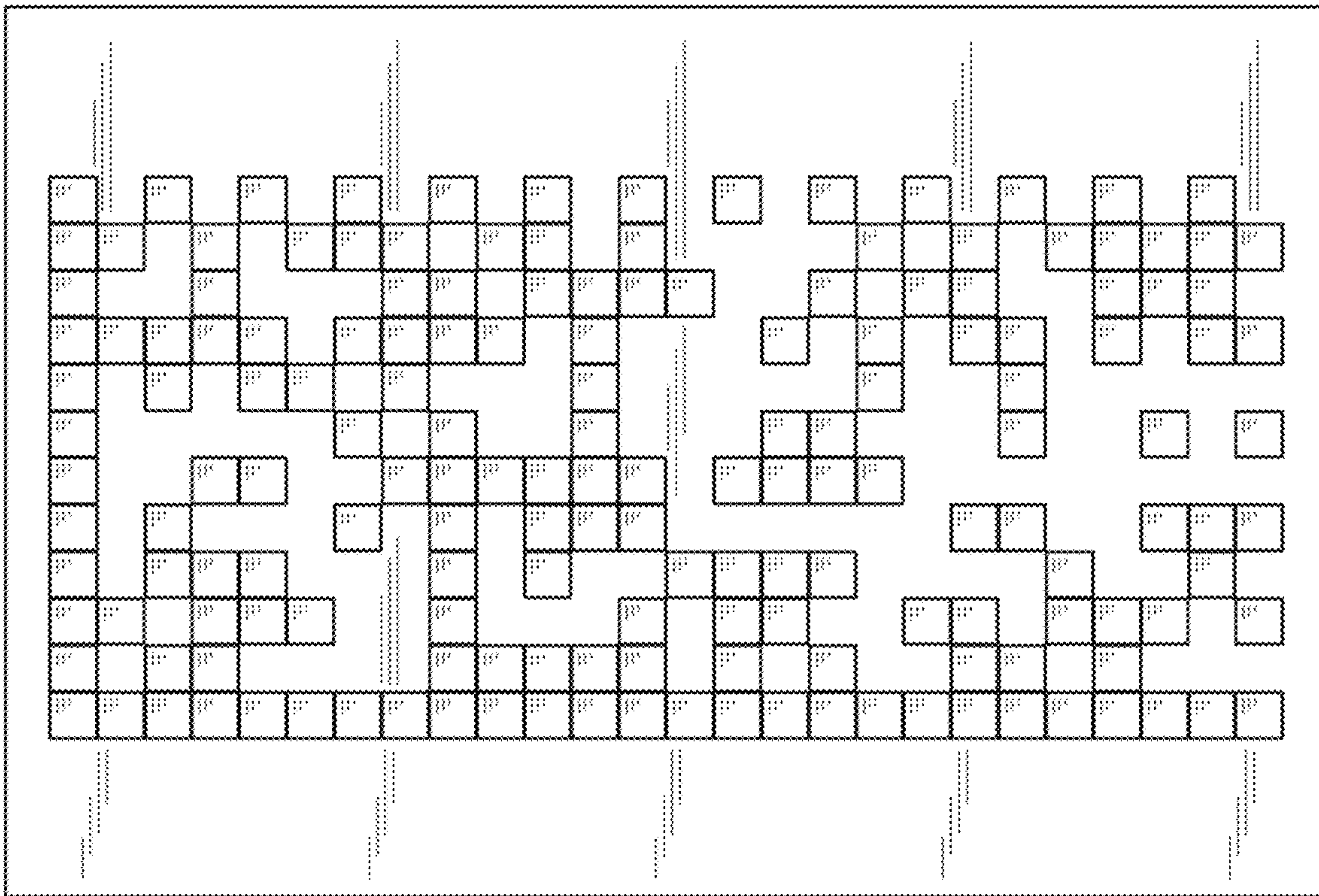
1.7



1.8



1.9



1.10

