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(12) **United States Design Patent** (10) **Patent No.:** **US D829,581 S**  
**Hirose et al.** (45) **Date of Patent:** **\*\* Oct. 2, 2018**

(54) **SPECTROMETER**

(56) **References Cited**

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

*Primary Examiner* — George D. Kirschbaum

(21) Appl. No.: **35/503,179**

(57) **CLAIM**

(22) Filed: **Dec. 13, 2016**

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

(80) **Hague Agreement Data**

Int. Filing Date: **Dec. 13, 2016**  
Int. Reg. No.: **DM/093920**  
Int. Reg. Date: **Dec. 13, 2016**  
Int. Reg. Pub. Date: **Jun. 16, 2017**

**DESCRIPTION**

(30) **Foreign Application Priority Data**

Jun. 14, 2016 (JP) ..... 2016-012711

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

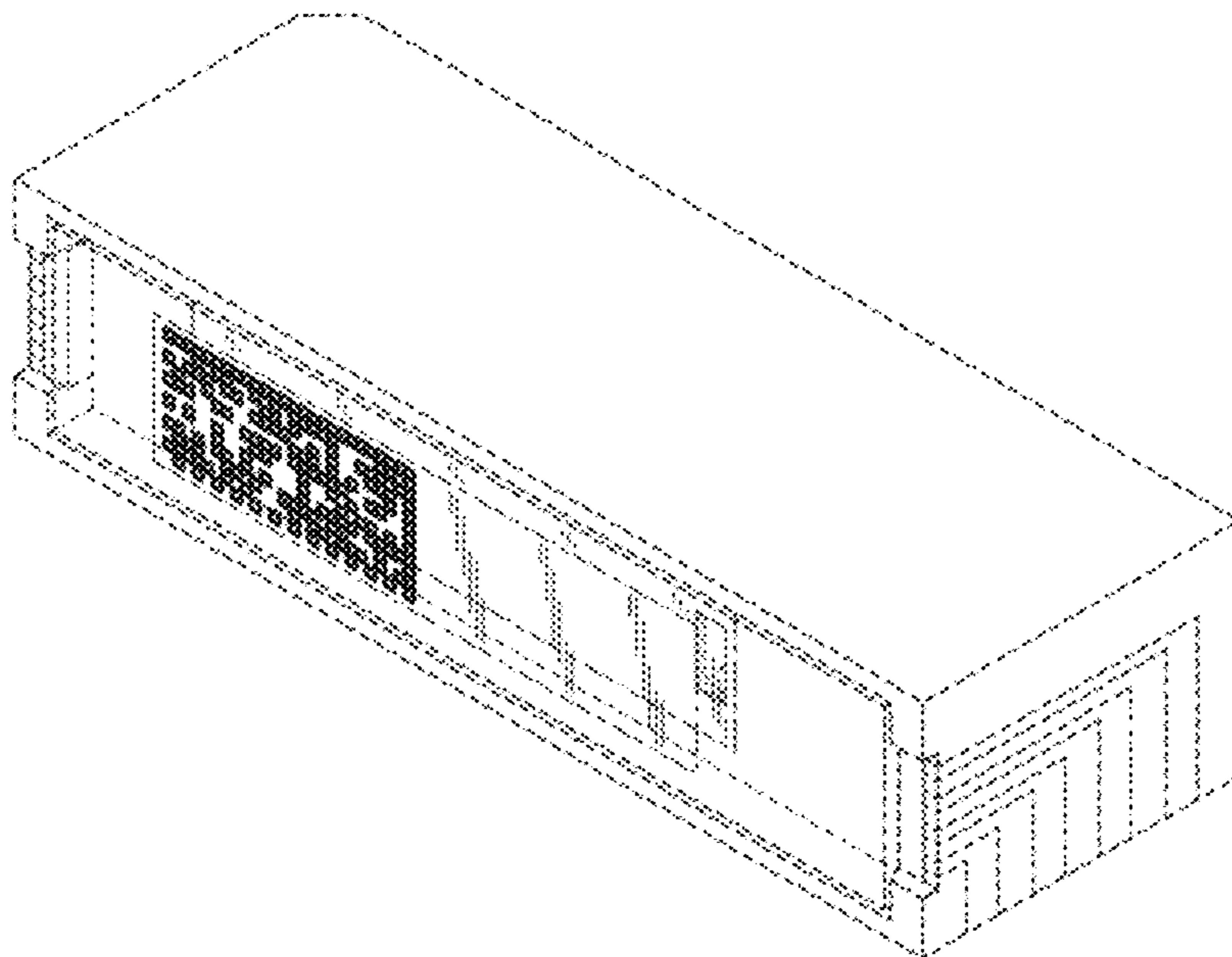
(52) **U.S. Cl.**  
USPC ..... **D10/81**

(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.

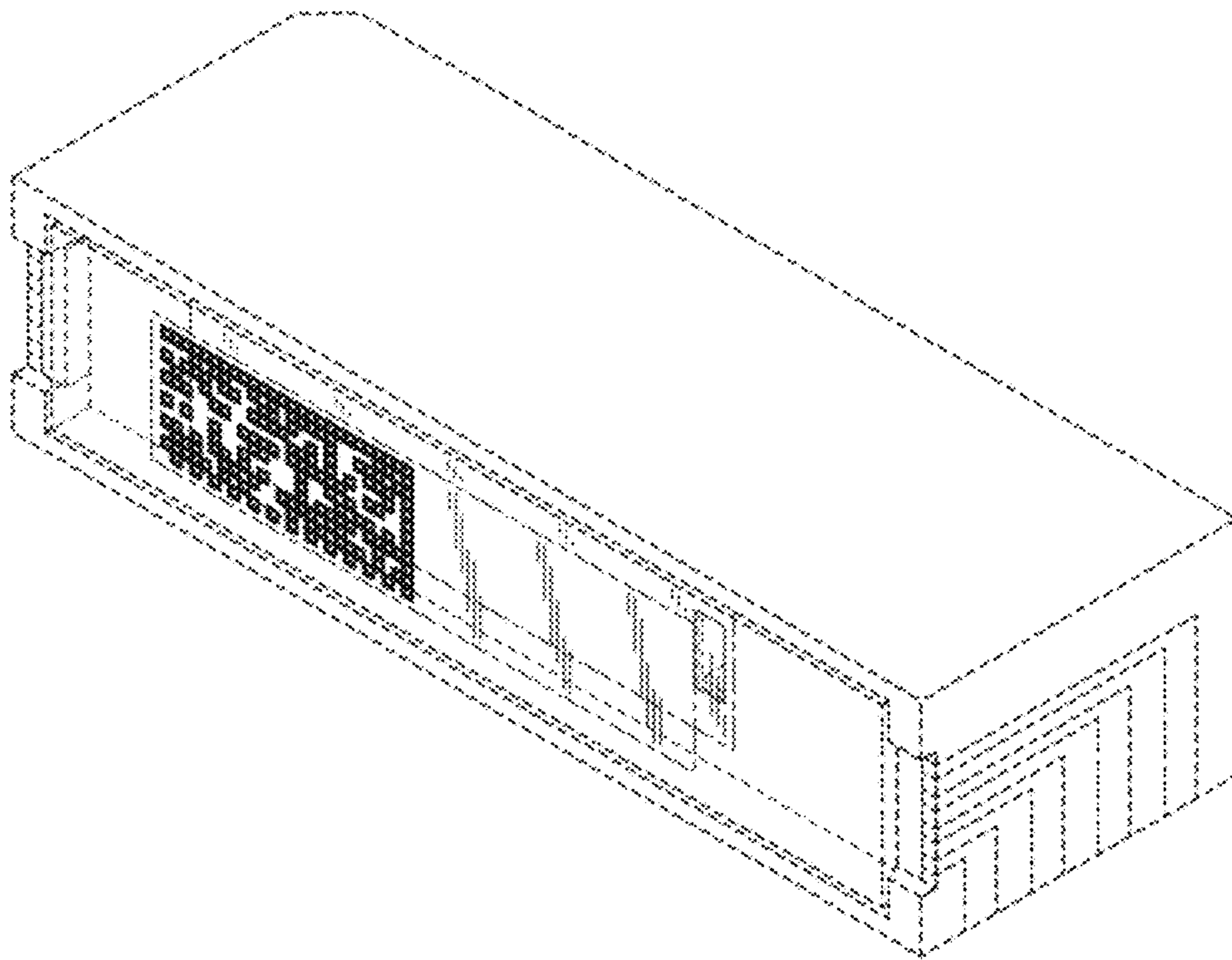
- 1. Spectrometer
- 1.1 : Perspective
- 1.2 : Front
- 1.3 : Back
- 1.4 : Top
- 1.5 : Bottom
- 1.6 : Left
- 1.7 : Right
- 1.8 : Partial enlarged front view
- 1.9 : Partial enlarged perspective view
- 1.10 : Cross-sectional view

The broken line showing is included for the purpose of illustrating portions of the “article” and forms no part of the claimed design.

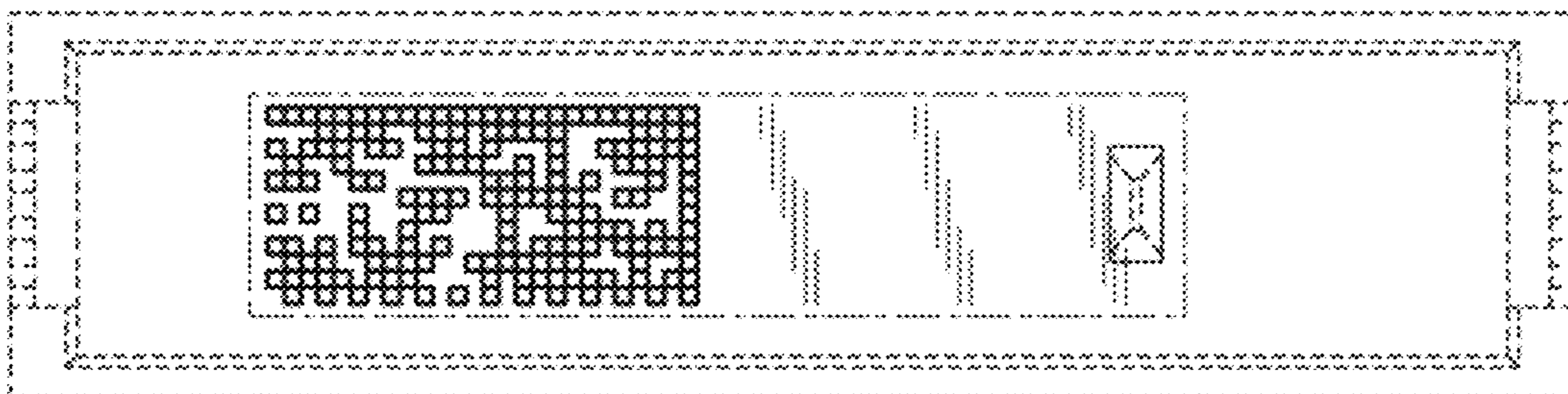
**1 Claim, 10 Drawing Sheets**



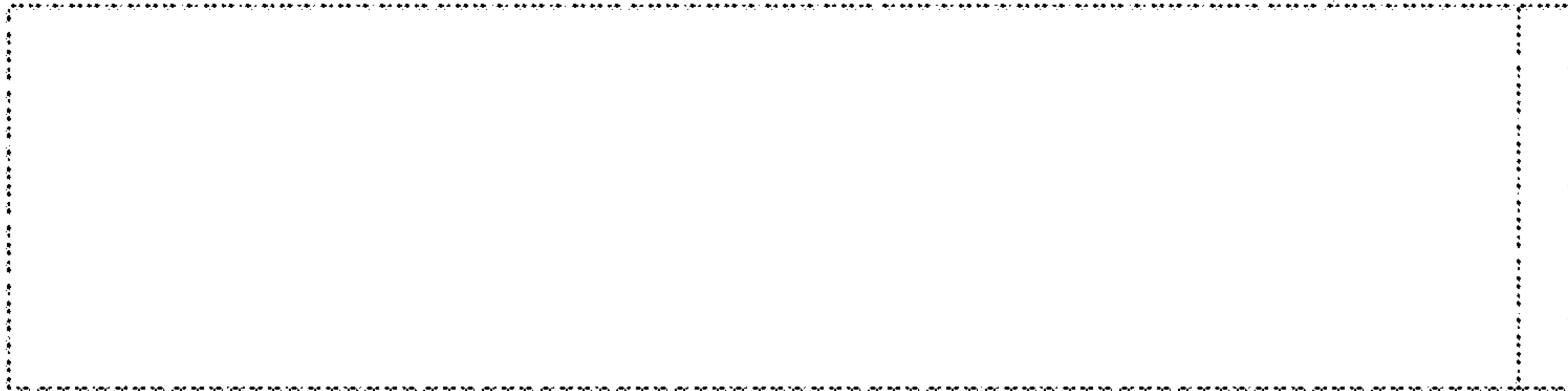
1.1



1.2



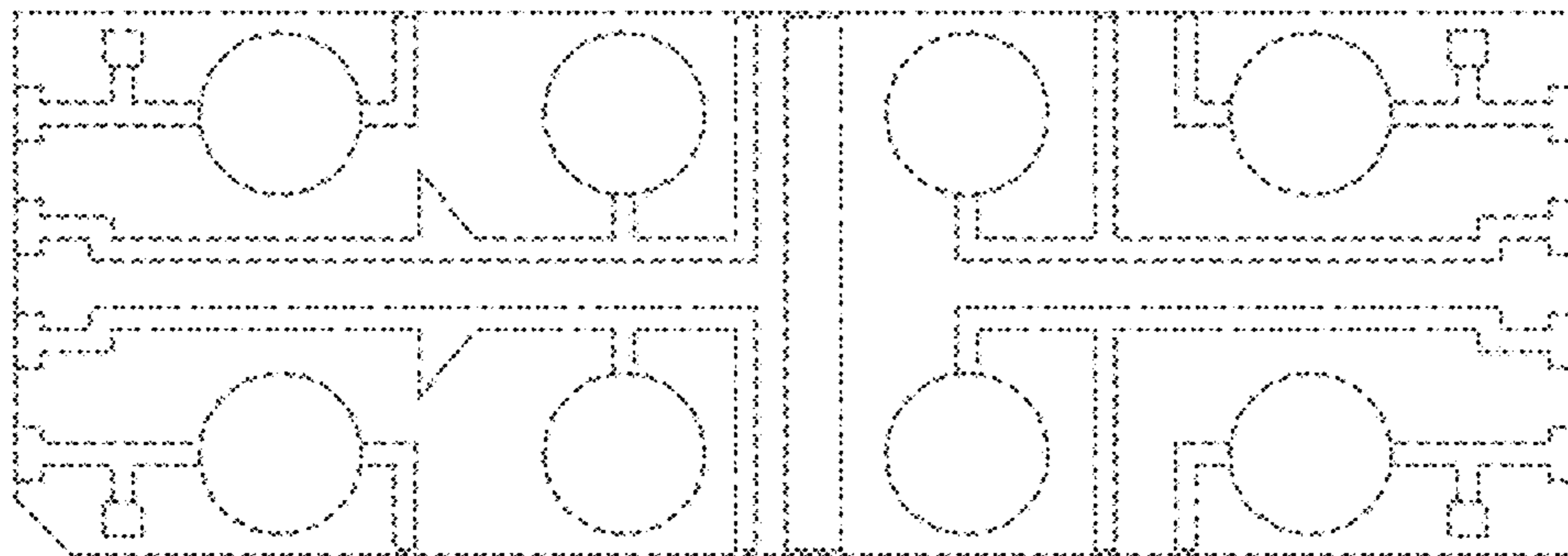
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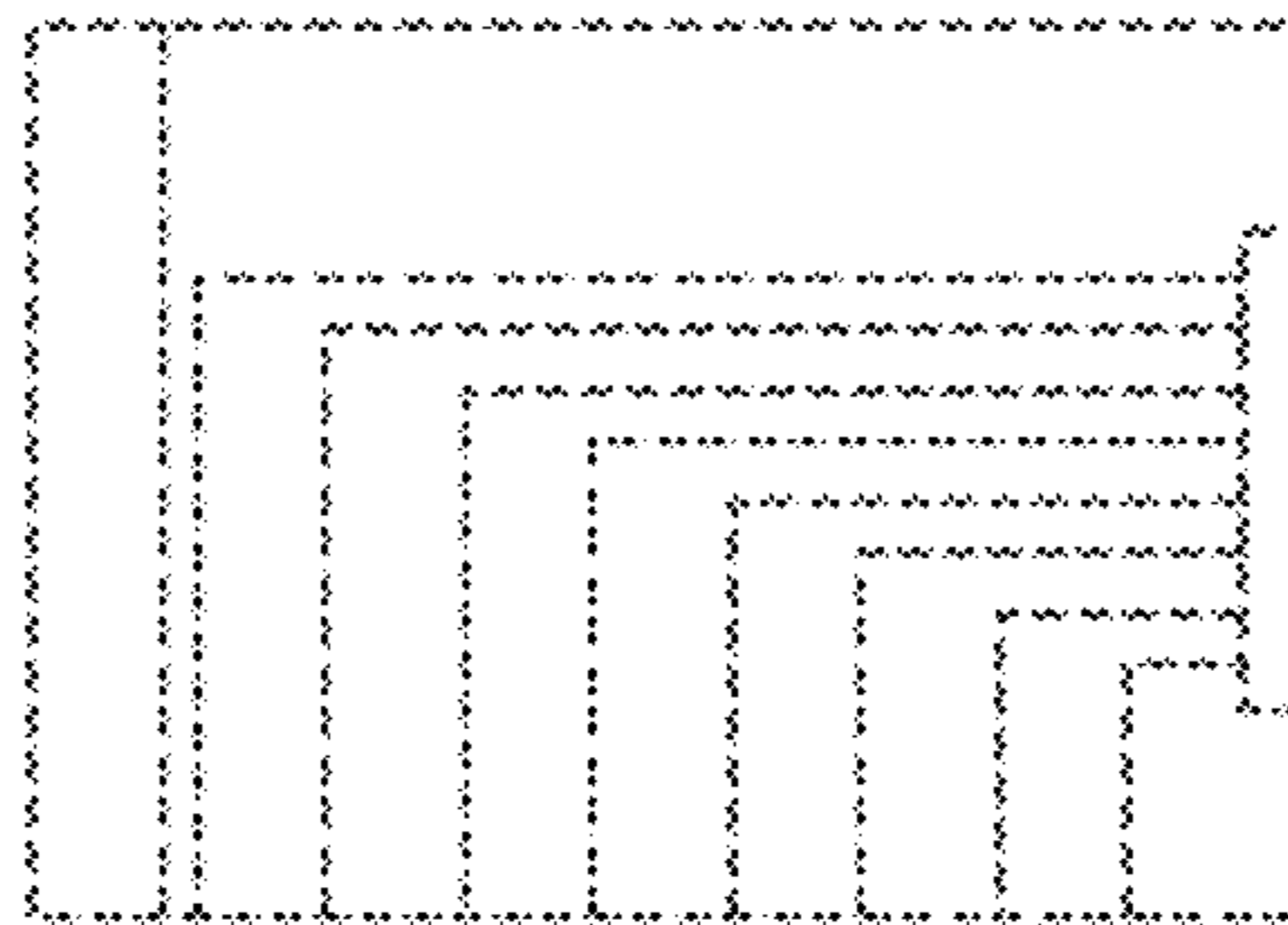
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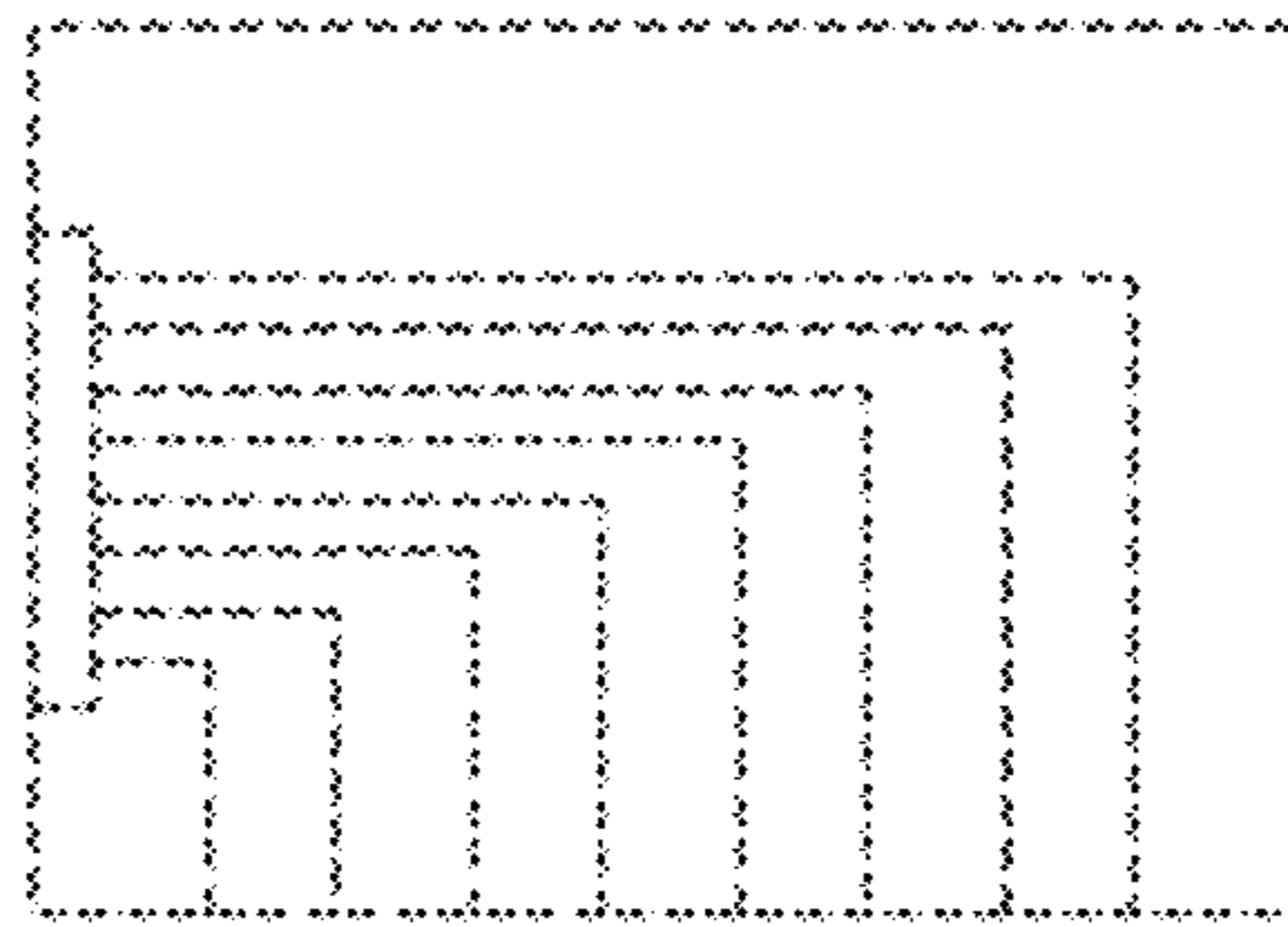
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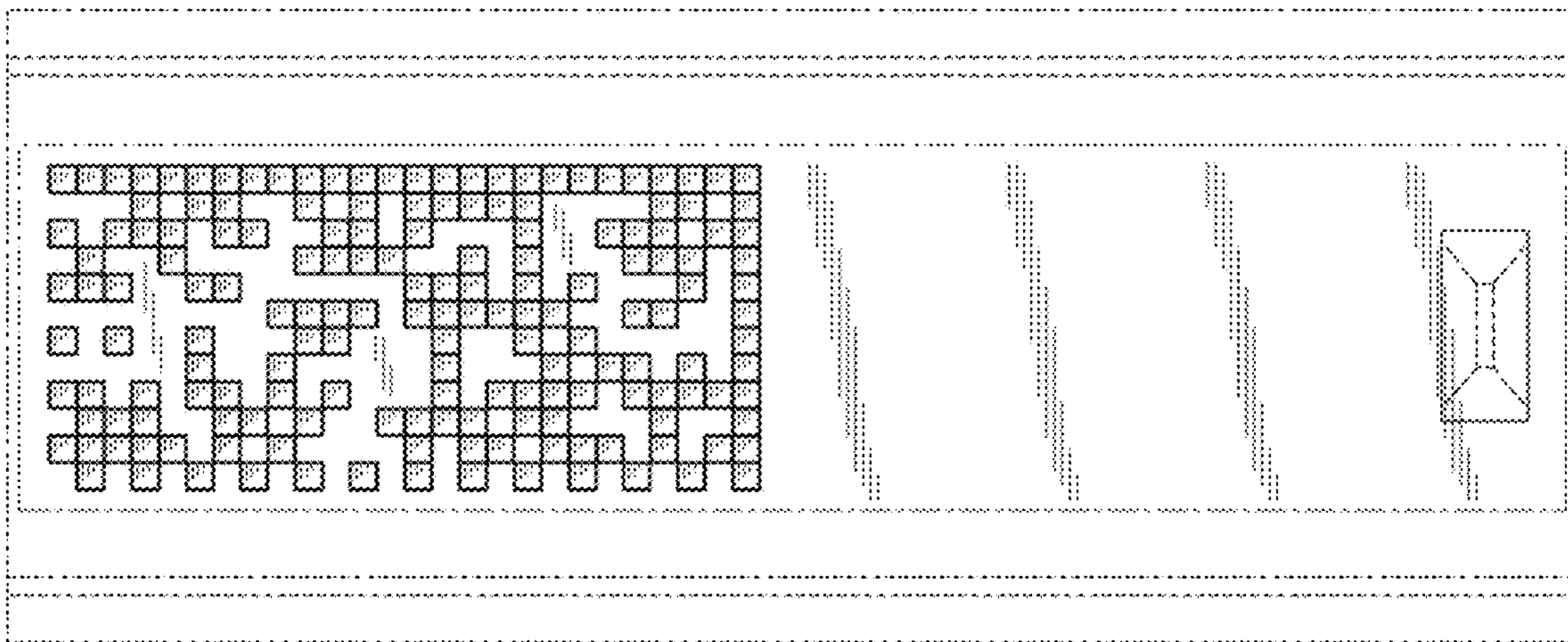


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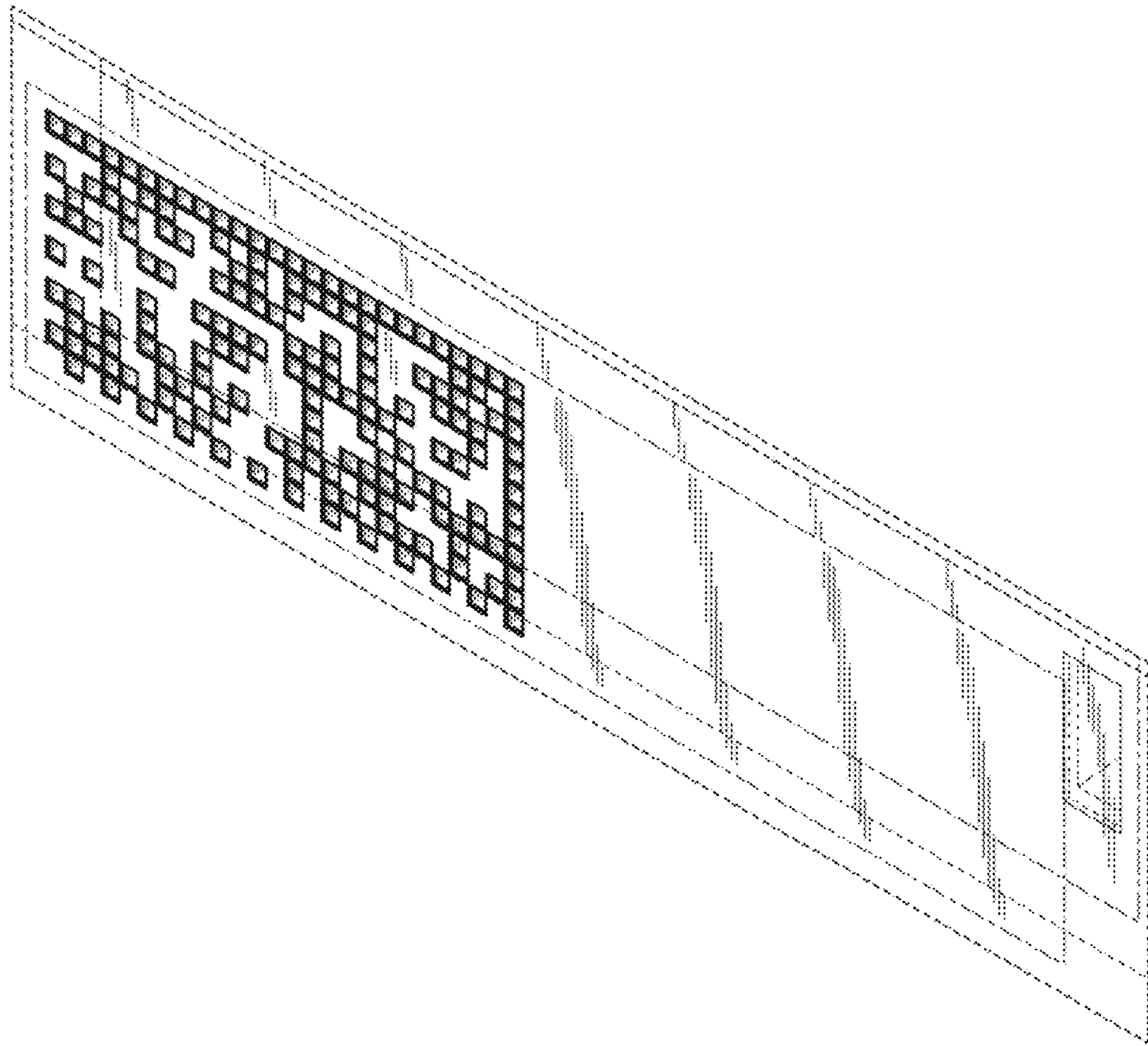




1.8



1.9



1.10

