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(12) **United States Design Patent** (10) **Patent No.:** **US D829,117 S**  
**Hirose et al.** (45) **Date of Patent:** **\*\* Sep. 25, 2018**

(54) **SPECTROMETER**

(56) **References Cited**

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

*Primary Examiner* — George D. Kirschbaum

(21) Appl. No.: **35/503,185**

(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/093916**  
Int. Reg. Date: **Dec. 13, 2016**  
Int. Reg. Pub. Date: **Jun. 16, 2017**

**DESCRIPTION**

(30) **Foreign Application Priority Data**

Jun. 14, 2016 (JP) ..... 2016-012703

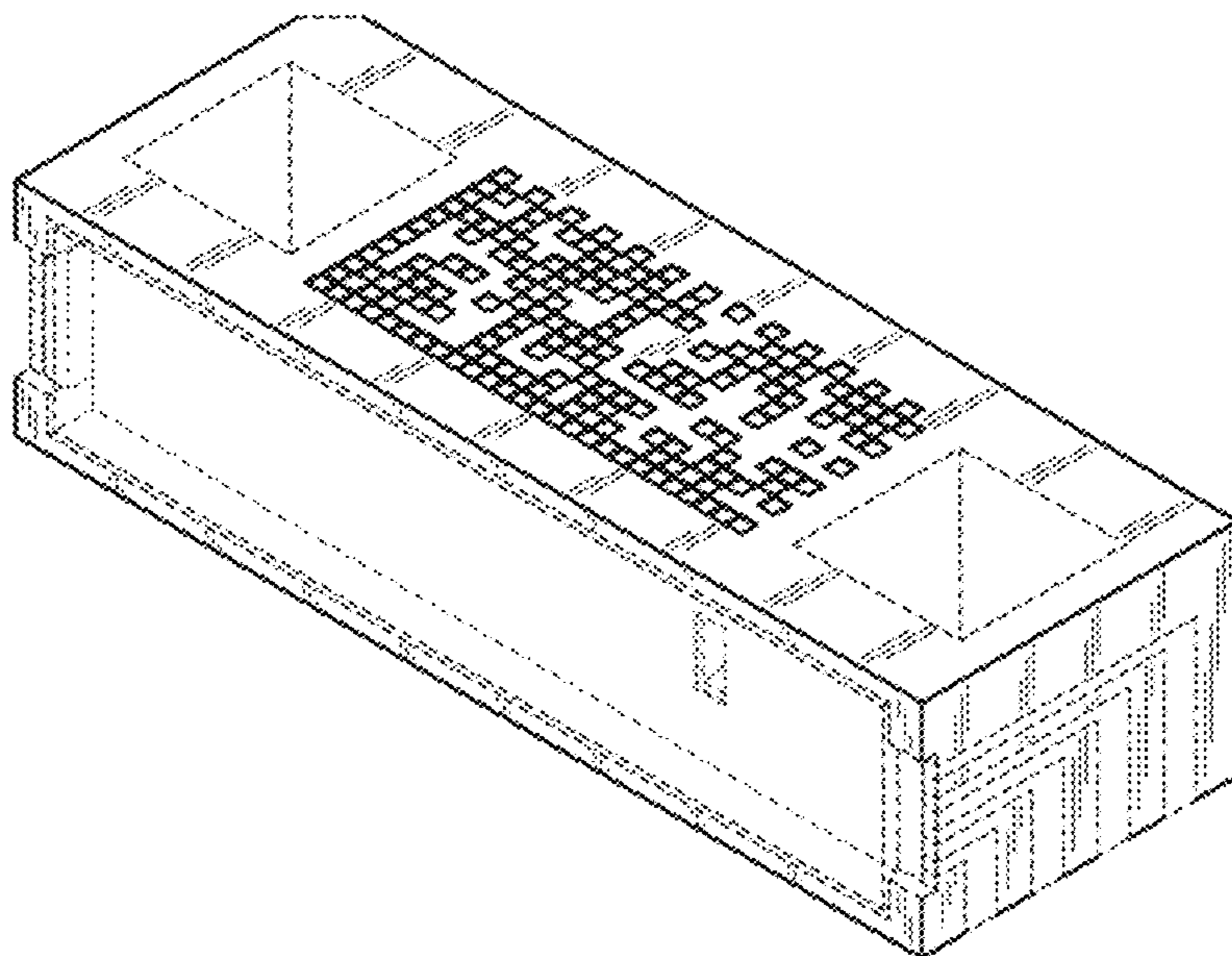
(51) **LOC (11) Cl.** ..... **10-04**

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

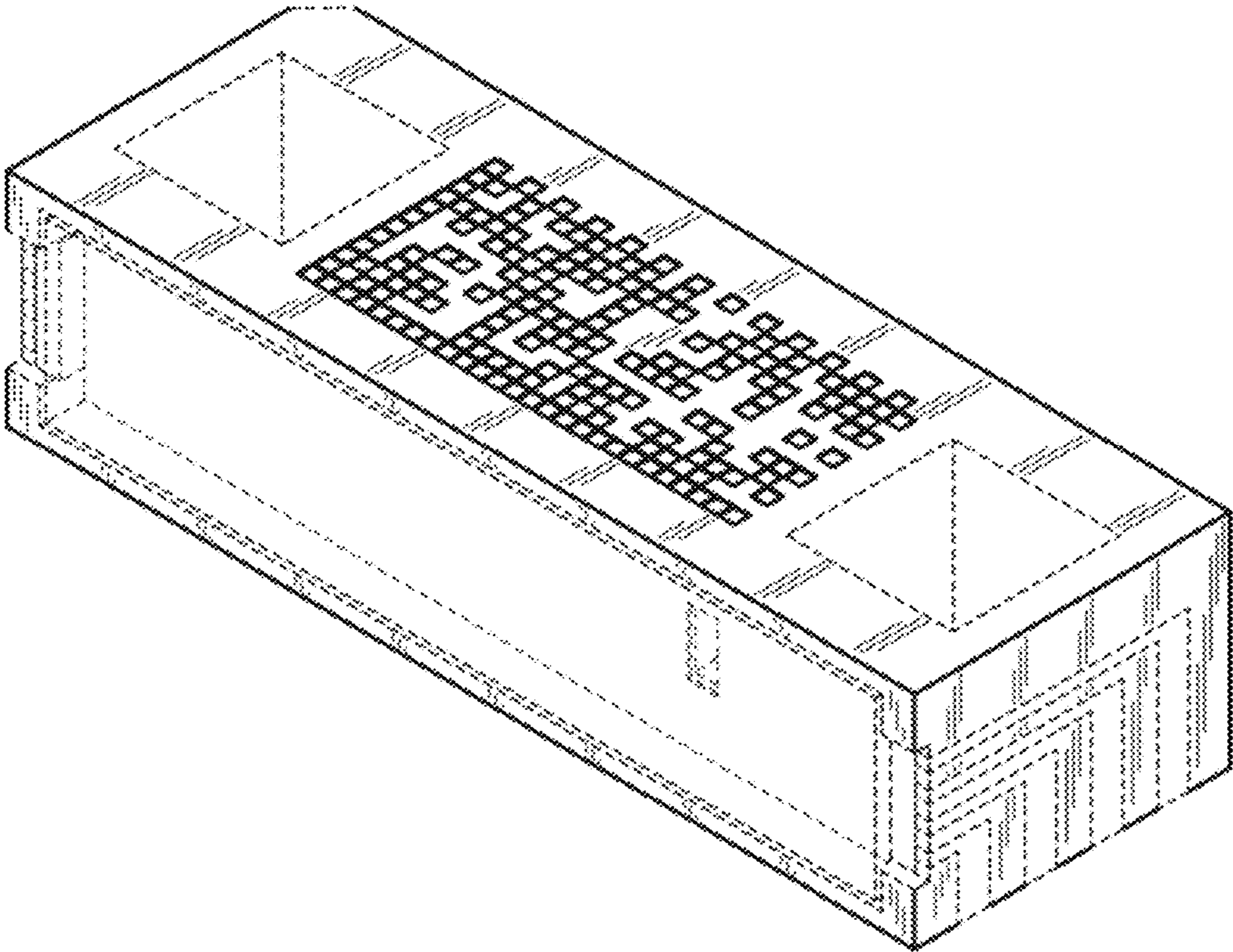
(58) **Field of Classification Search**  
USPC ..... D10/81, 47; D13/158, 159, 160  
CPC ..... G01J 3/0256; G01N 21/67  
See application file for complete search history.

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 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. The dash-dot-dash lines represent the boundary of the claimed design.

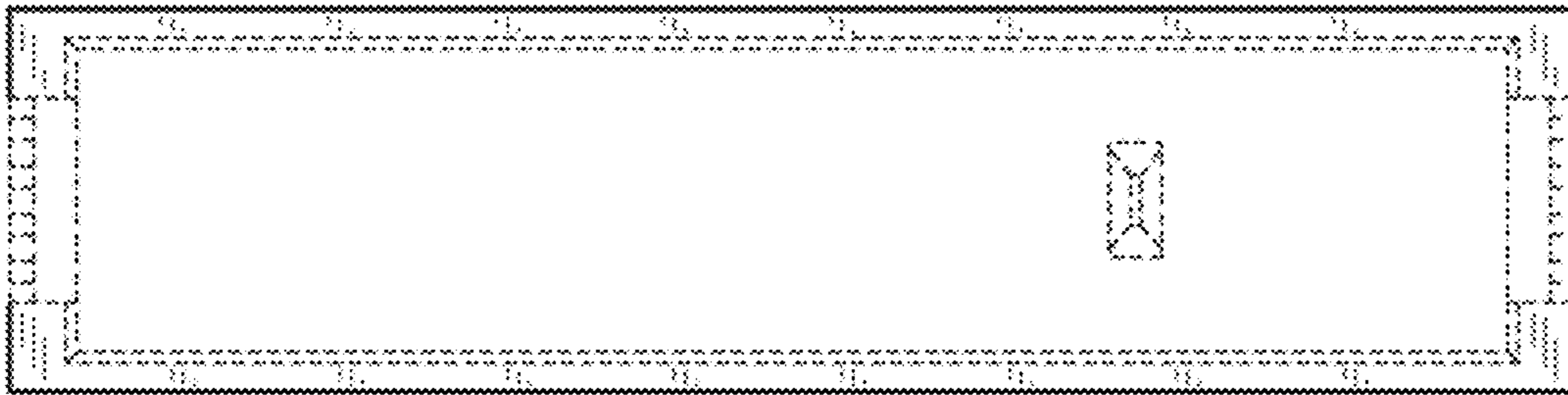
**1 Claim, 10 Drawing Sheets**



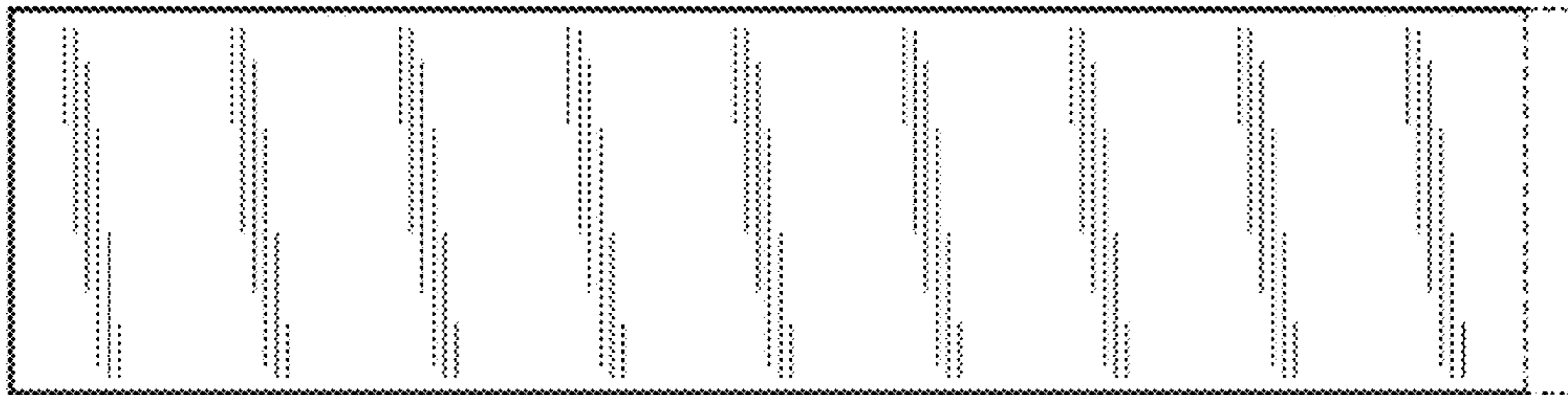
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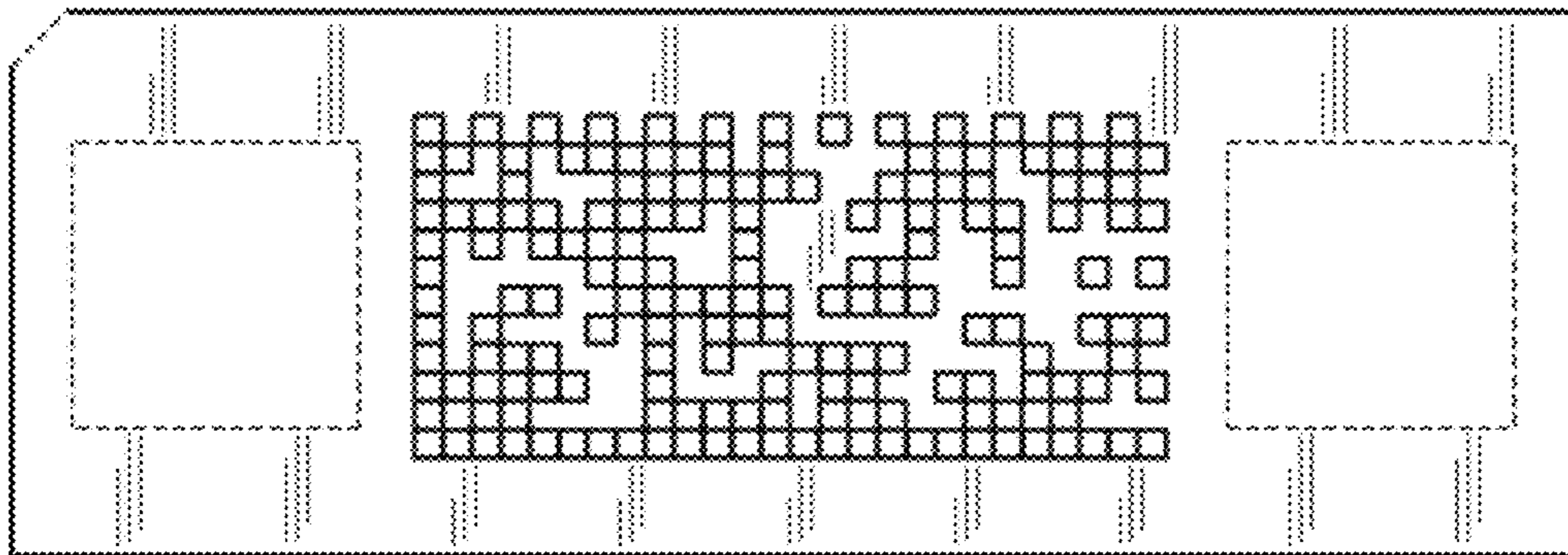
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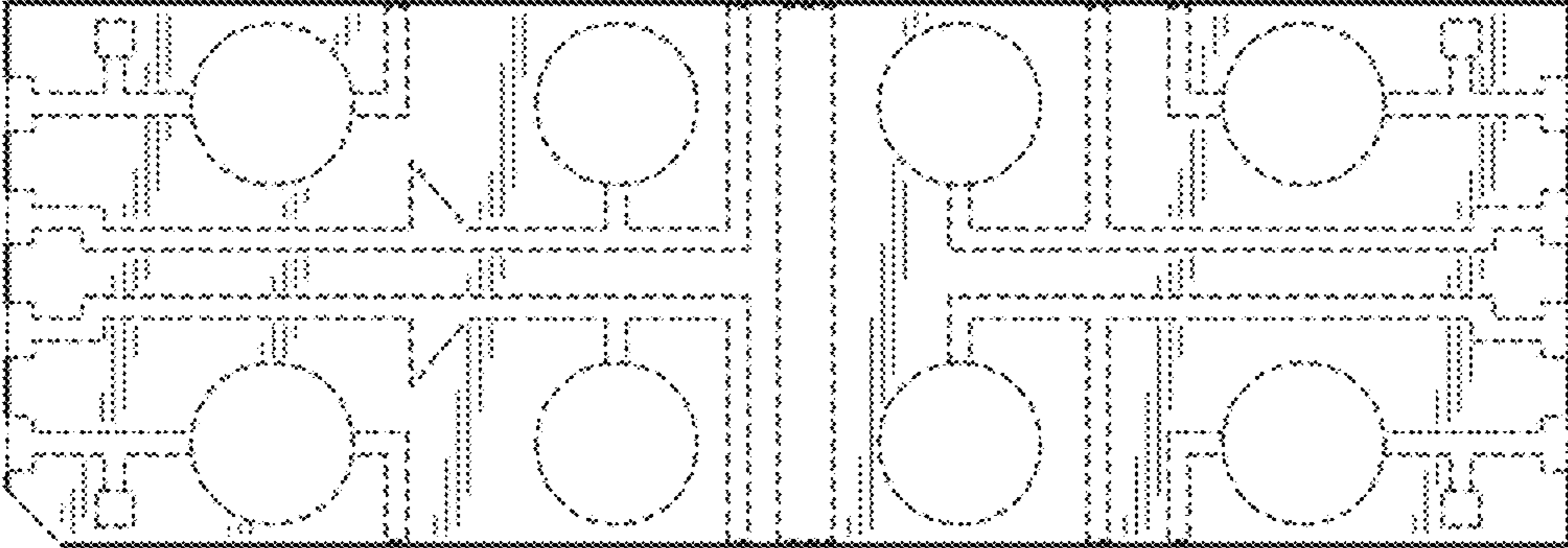
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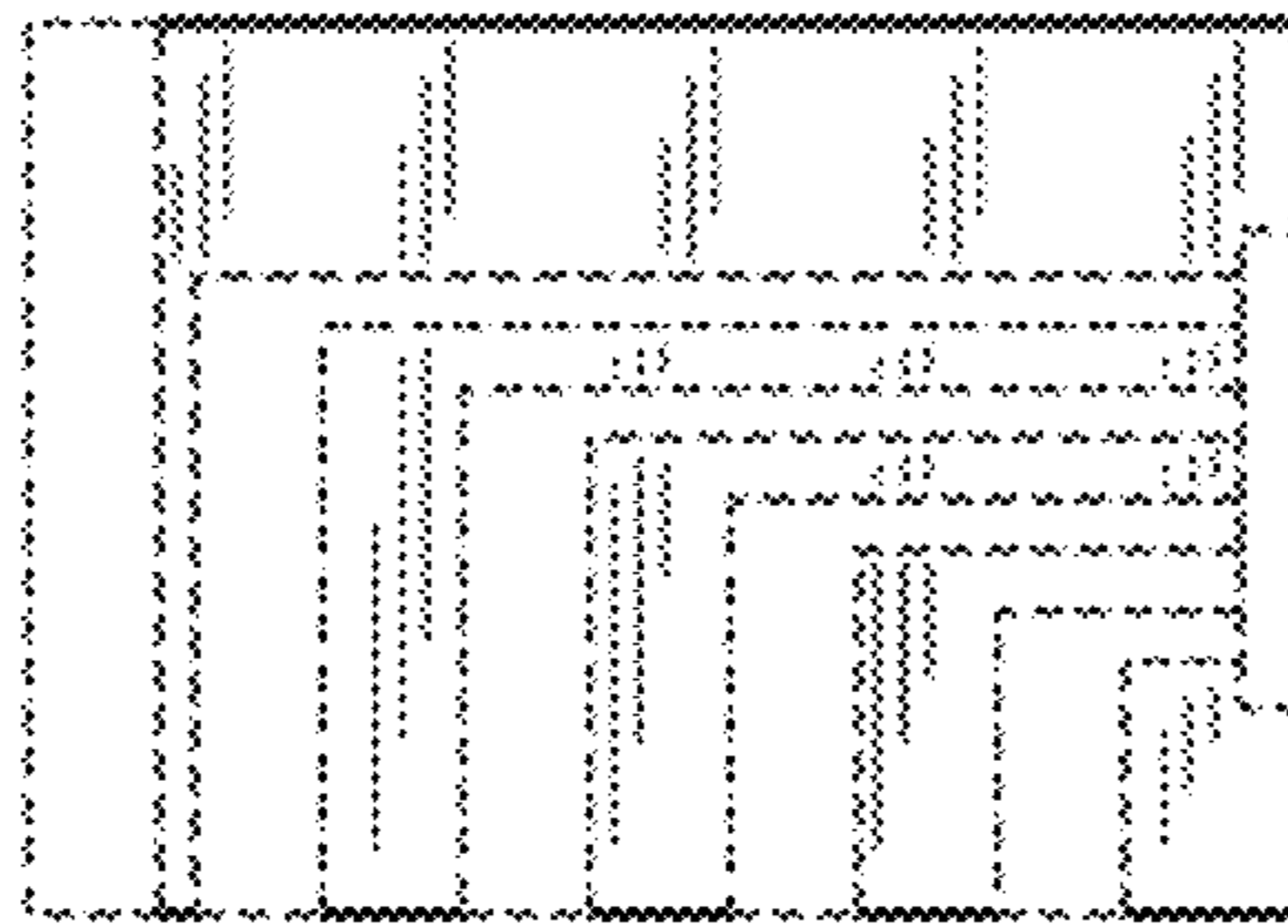
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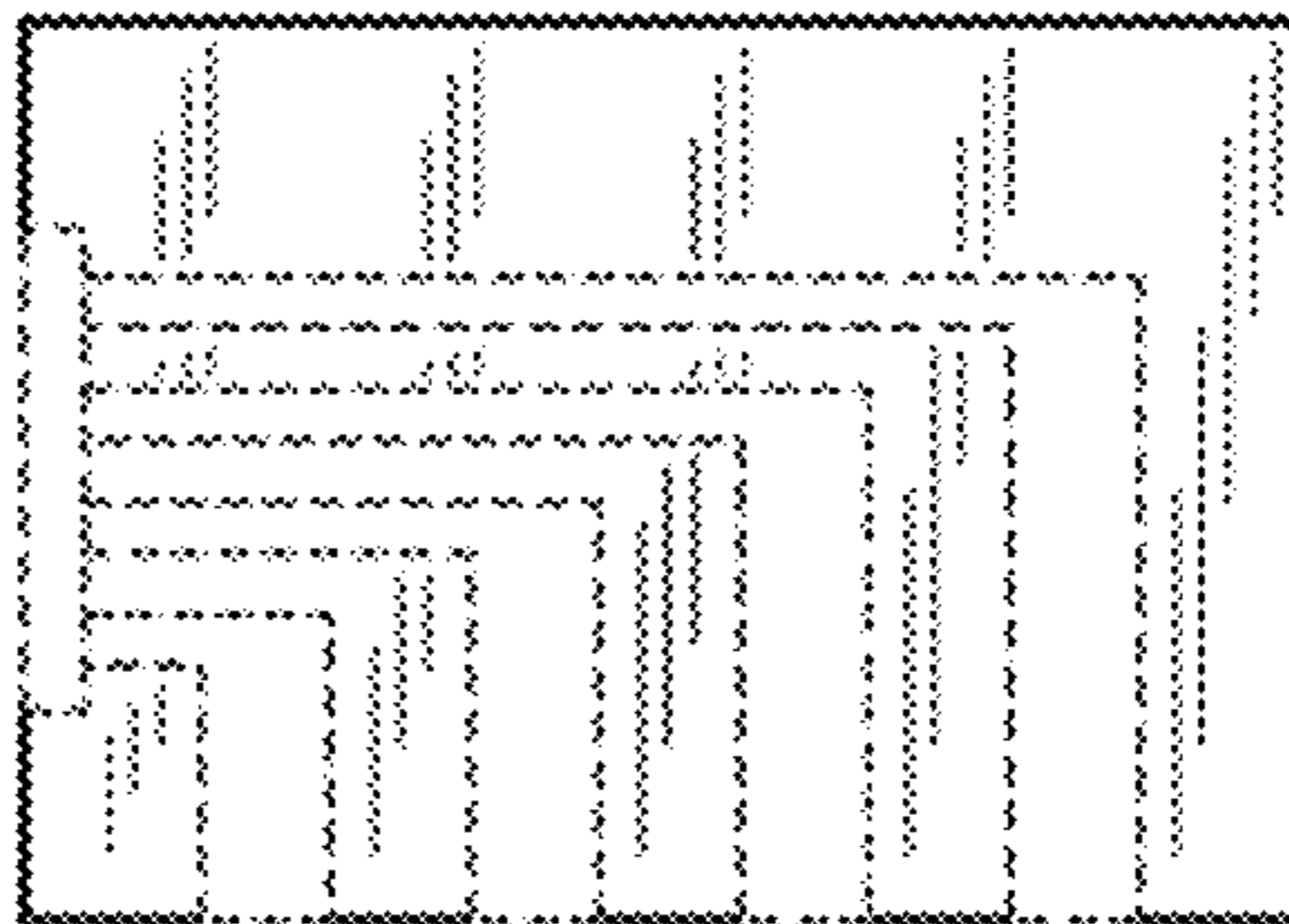
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**1.6**

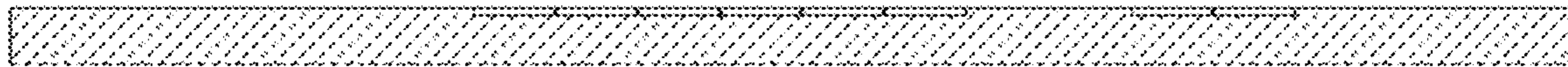


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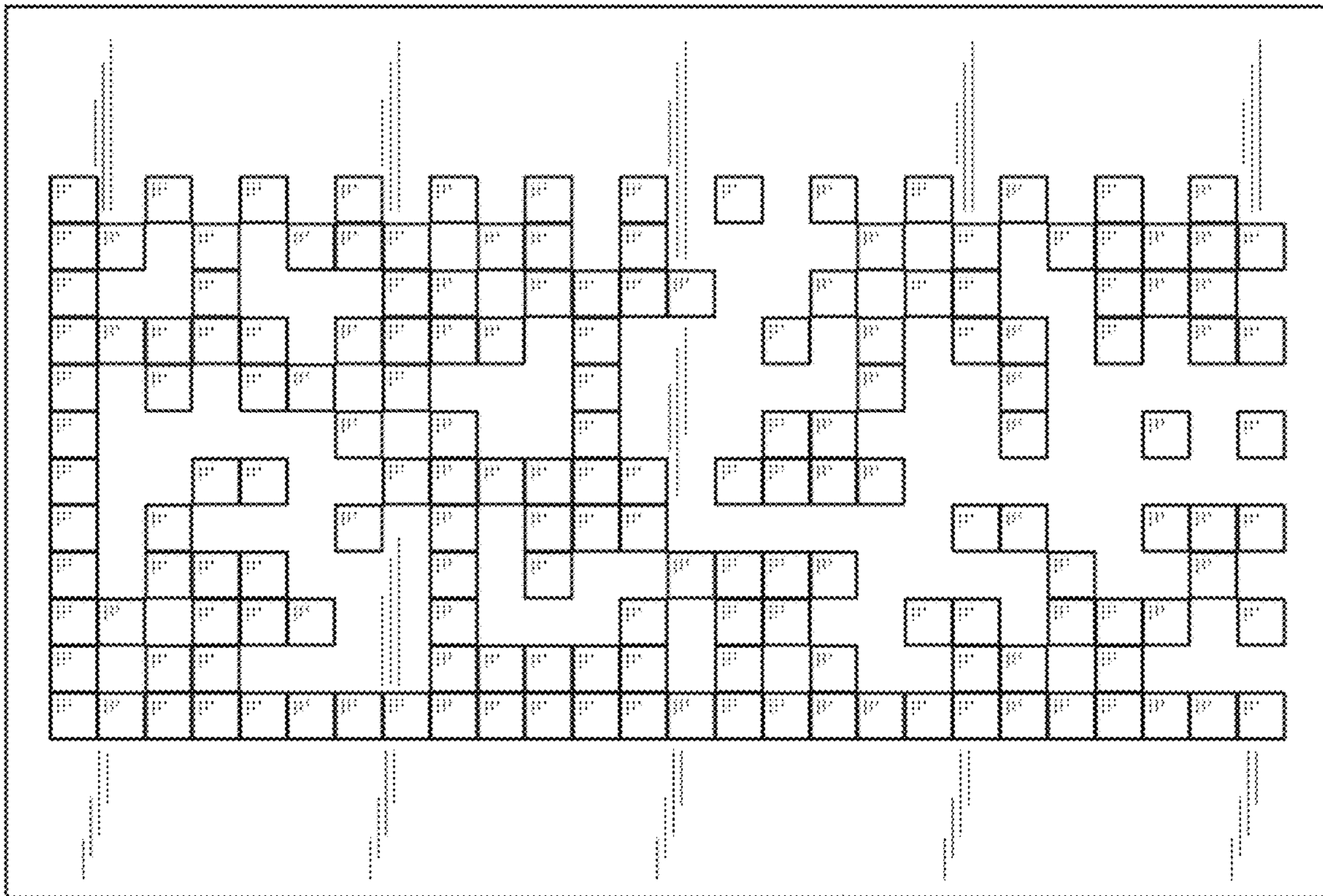




1.8



1.9



1.10

