

US0D1085457S

(12)

United States Design Patent

Rogge

(10)

Patent No.:

US D1,085,457 S

(45)

Date of Patent:

** Jul. 22, 2025

(54) DISPENSING HEAD FOR AUTOMATED PIPETTING APPARATUS

(71) Applicant: Eppendorf SE, Hamburg (DE)

(72) Inventor: Christian Rogge, Munich (DE)

(73) Assignee: EPPENDORF SE, Hamburg (DE)

(**) Term: 15 Years

(21) Appl. No.: 35/521,498

(22) Filed: Jan. 23, 2024

(80) Hague Agreement Data

Int. Filing Date: Jan. 23, 2024

Int. Reg. No.: DM/237861

Int. Reg. Date: Jan. 23, 2024

Int. Reg. Pub. Date: Jun. 28, 2024

(51) LOC (15) Cl. 24-02

(52) U.S. Cl.

USPC D24/224; D24/222

(58) Field of Classification Search

USPC D24/216, 217, 107, 185, 186, 219, 231, 224/232, 233, 234, 200, 214, 222; D10/81; D15/199; D23/200, 213, 225, D23/233, 499; D32/6

CPC G01N 2035/00306; G01N 2035/00326; G01N 2035/00336; G01N 35/1065; G01N 35/1002; G01N 35/026; G01N 35/1016; G01N 35/0099; G01N 35/10; G01N 21/05; G01N 35/1009; G01N 35/08; G01N 35/1072; G01N 2035/1076; G01N 21/6452; G01N 27/44743; G01N 2035/1039; B01L 7/52; B01L 2300/1827; B01L 2200/025; B01L 2200/027; B01L 2200/10; B01L 2300/0816; B01L 3/502715; B01L 2200/16; B01L 3/021; B01L 2300/0867; B01L 9/527; B01L 2400/0481; B01L 3/50273; B01L 2300/087; B01L 3/0275; B01L 9/543; B01L 3/5027; B01L 3/0217; B01L

2300/0861; B01L 3/527; B01L 2300/0829; B01L 2400/0478; B01L 3/502707; B01L 2300/0877; B01L 3/0213; B01L 3/0231; B01L 3/5082; B01L 3/52; B01L 2400/0475; B01L 2200/0621; B01L 2300/0893; B01L (Continued)

(56) References Cited

U.S. PATENT DOCUMENTS

D277,313 S * 1/1985 Alvarez D24/222
D305,565 S * 1/1990 Malinoff D24/222
(Continued)

OTHER PUBLICATIONS

EpMotion 96 Dispensing Head, posted at selectscience.net, posting date Apr. 28, 2024, retrieved Jan. 23, 2025, online, URL:https://www.selectscience.net/video/new-epmotion-96-flex-transforms-pipetting-workflows-6633 (Year: 2024).*

Primary Examiner — Jennifer L Rempfer

Assistant Examiner — Michelle Marquart Christeon

(74) Attorney, Agent, or Firm — KNECHTEL, DEMEUR & SAMLAN

(57) CLAIM

The ornamental design for a dispensing head for automated pipetting apparatus as shown and described.

DESCRIPTION

1. Dispensing head for automated pipetting apparatus

1.1 : Back

1.2 : Bottom

1.3 : Front

1.4 : Left

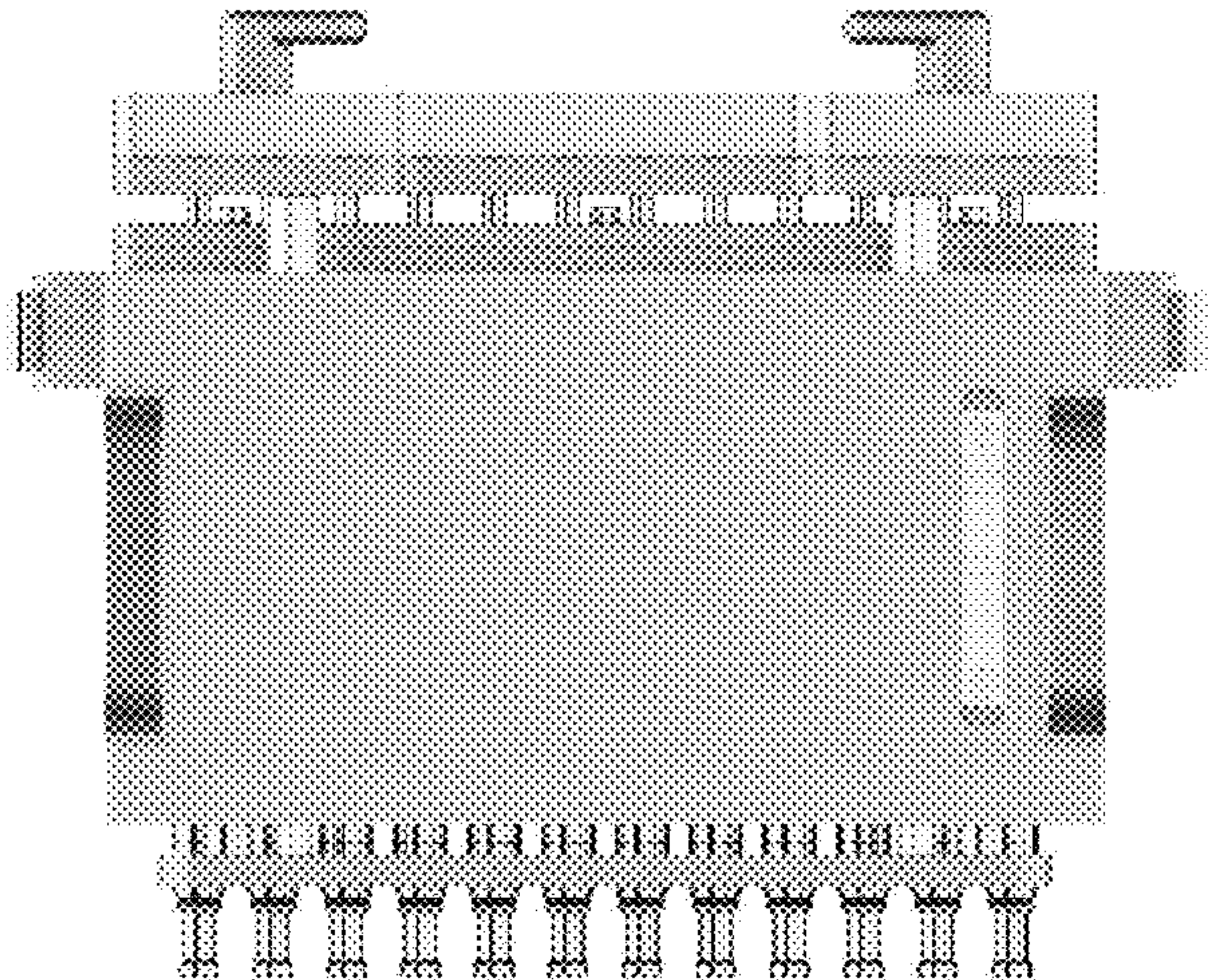
1.5 : Perspective

1.6 : Right

1.7 : Top

The designed product is used for precise pipetting of liquids in the process of experiment.

(Continued)



The broken lines are for illustrative purposes only and forms no part of the claimed design.

1 Claim, 7 Drawing Sheets

(58) Field of Classification Search

CPC 3/567; B01L 3/0234; B01L 3/0268; B01L 13/02; B01L 2200/021; B01L 2200/0642; F16K 99/0001; Y10T 436/2575; Y10T 436/25

See application file for complete search history.

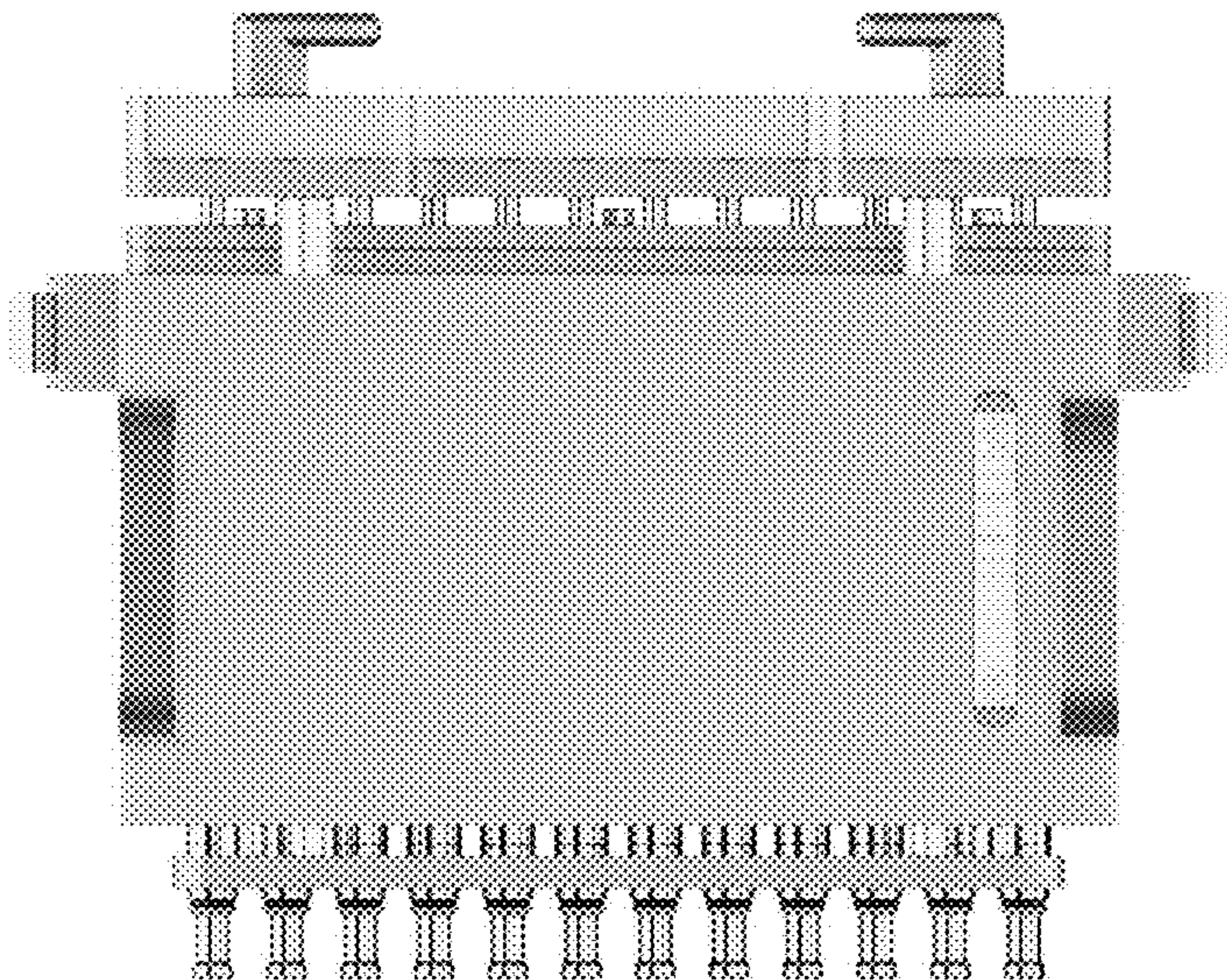
(56) References Cited

U.S. PATENT DOCUMENTS

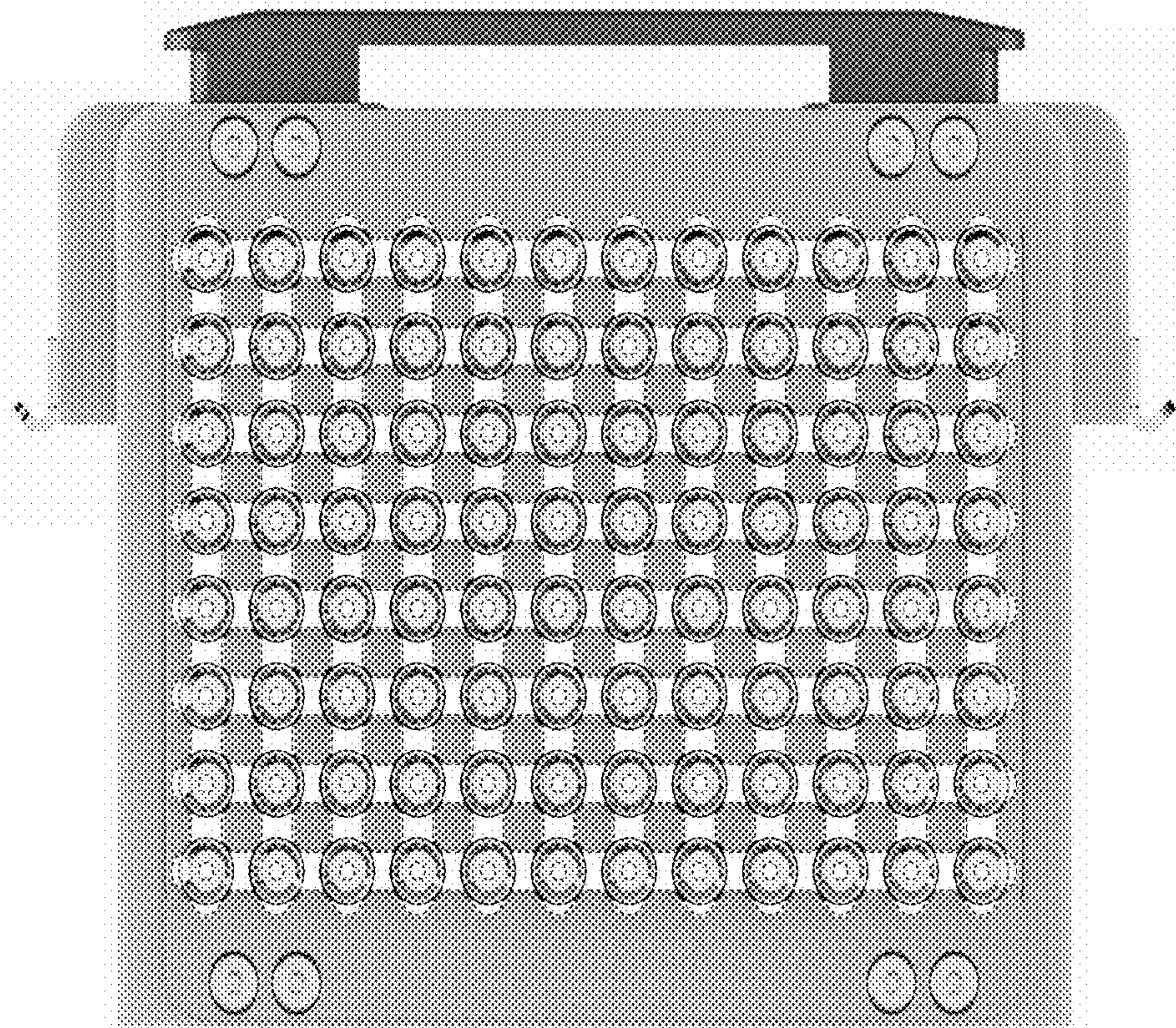
D674,110	S *	1/2013	Becher	D24/216
D898,938	S *	10/2020	Hummel	D24/222
D908,912	S *	1/2021	Kuster	D24/222
D908,913	S *	1/2021	Kuster	D24/222
D1,013,892	S *	2/2024	Hermesmeyer	D24/216
2006/0180609	A1 *	8/2006	Hager	B65B 1/38
				222/129
2009/0155123	A1 *	6/2009	Williams	B01L 3/021
				422/65
2009/0277285	A1 *	11/2009	Panzer	B01L 3/0217
				73/864.13
2013/0068041	A1 *	3/2013	Naumann	B01L 3/0275
				73/864.01
2014/0363355	A1 *	12/2014	Bolliger	B01L 3/021
				422/526
2018/0280967	A1 *	10/2018	Gilchrist	B01L 3/0279

* cited by examiner

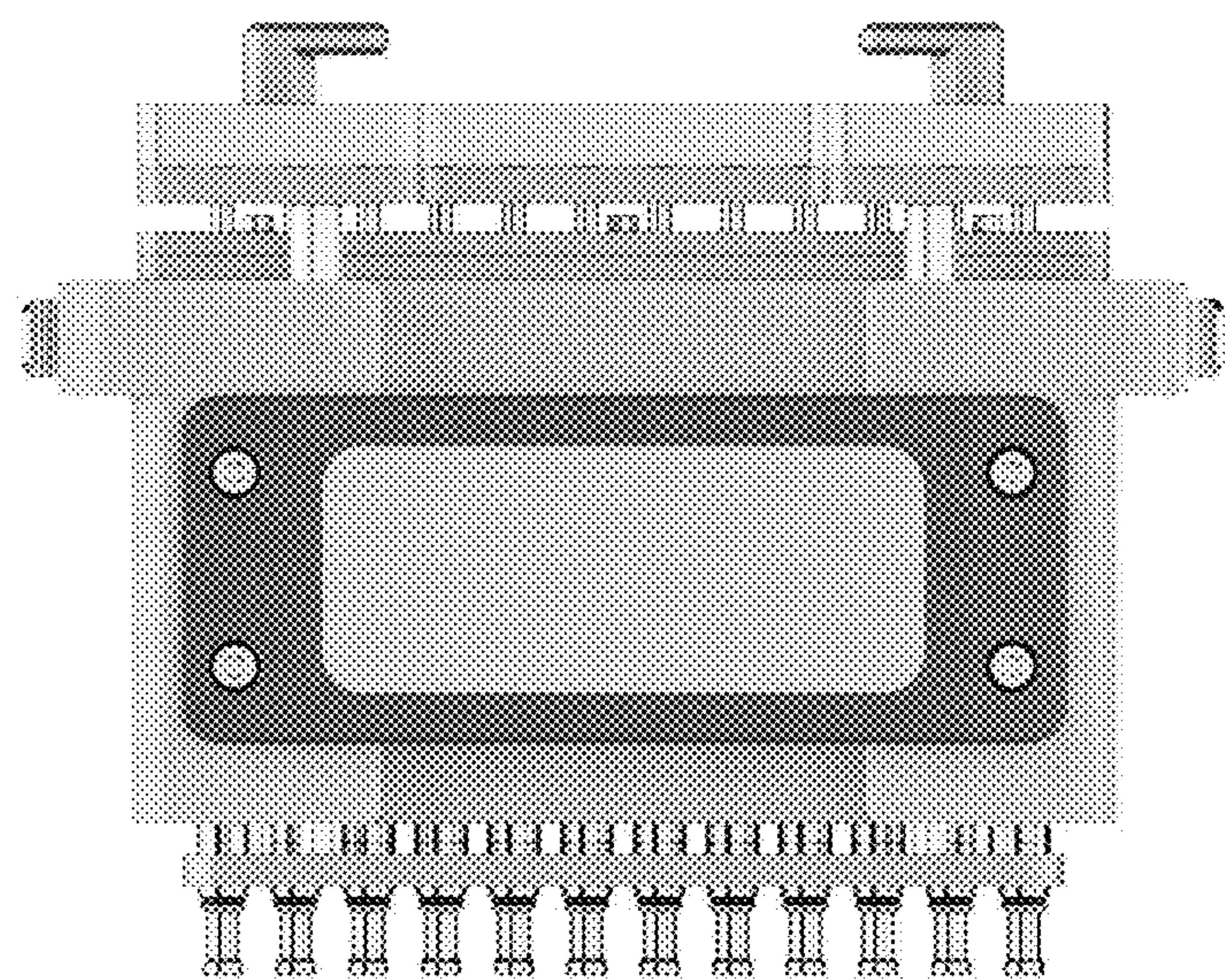
1.1



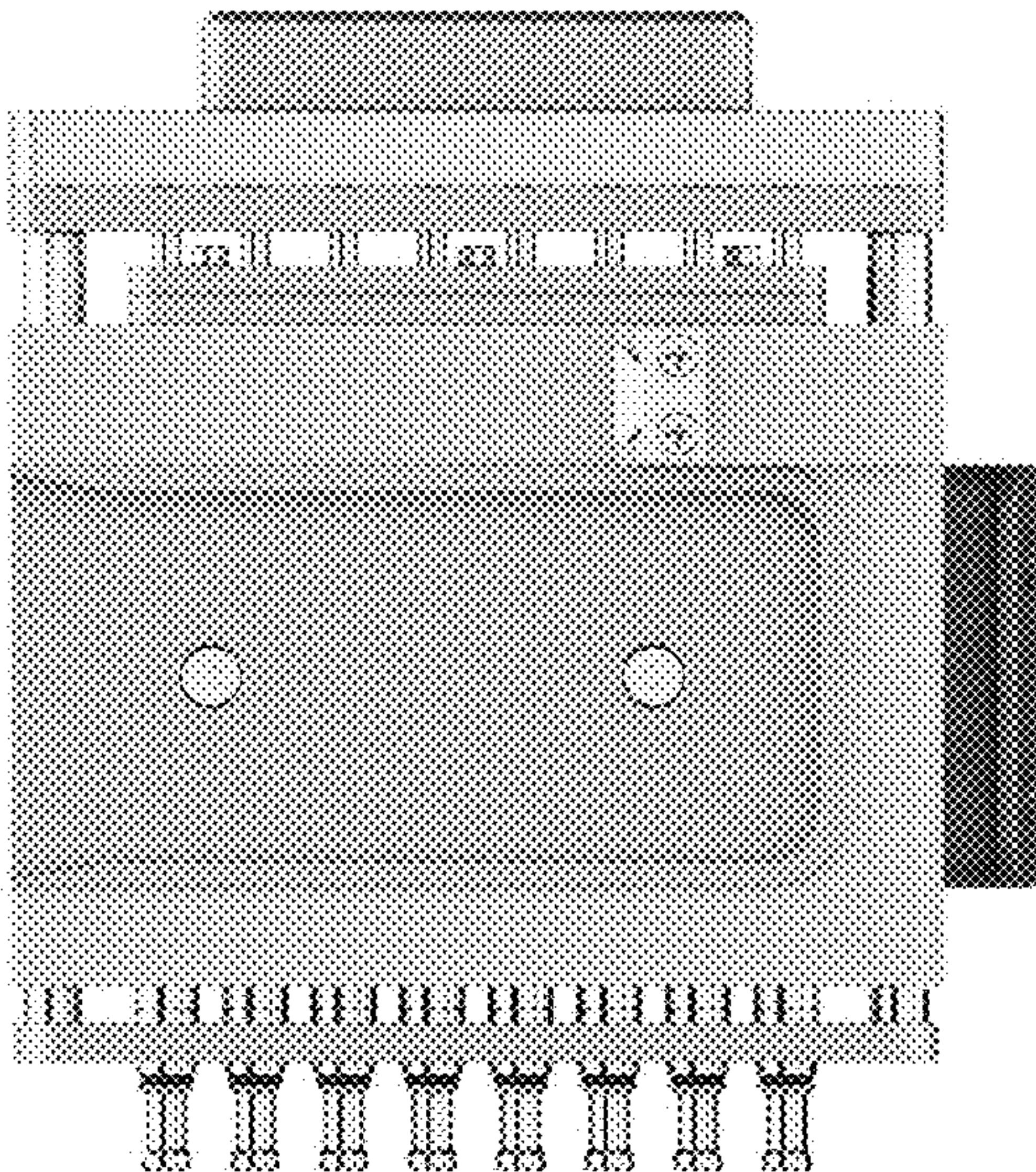
1.2



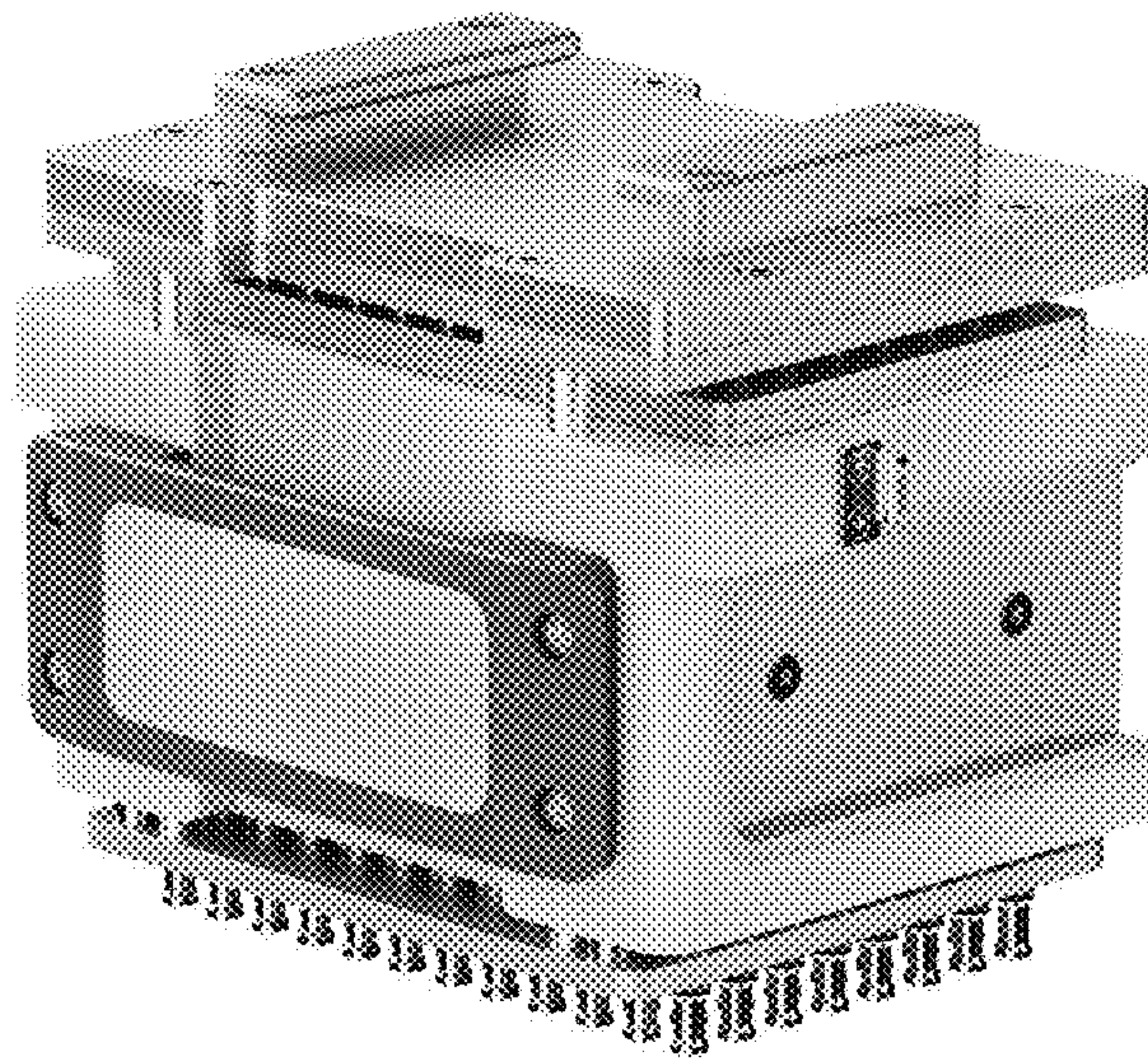
1.3



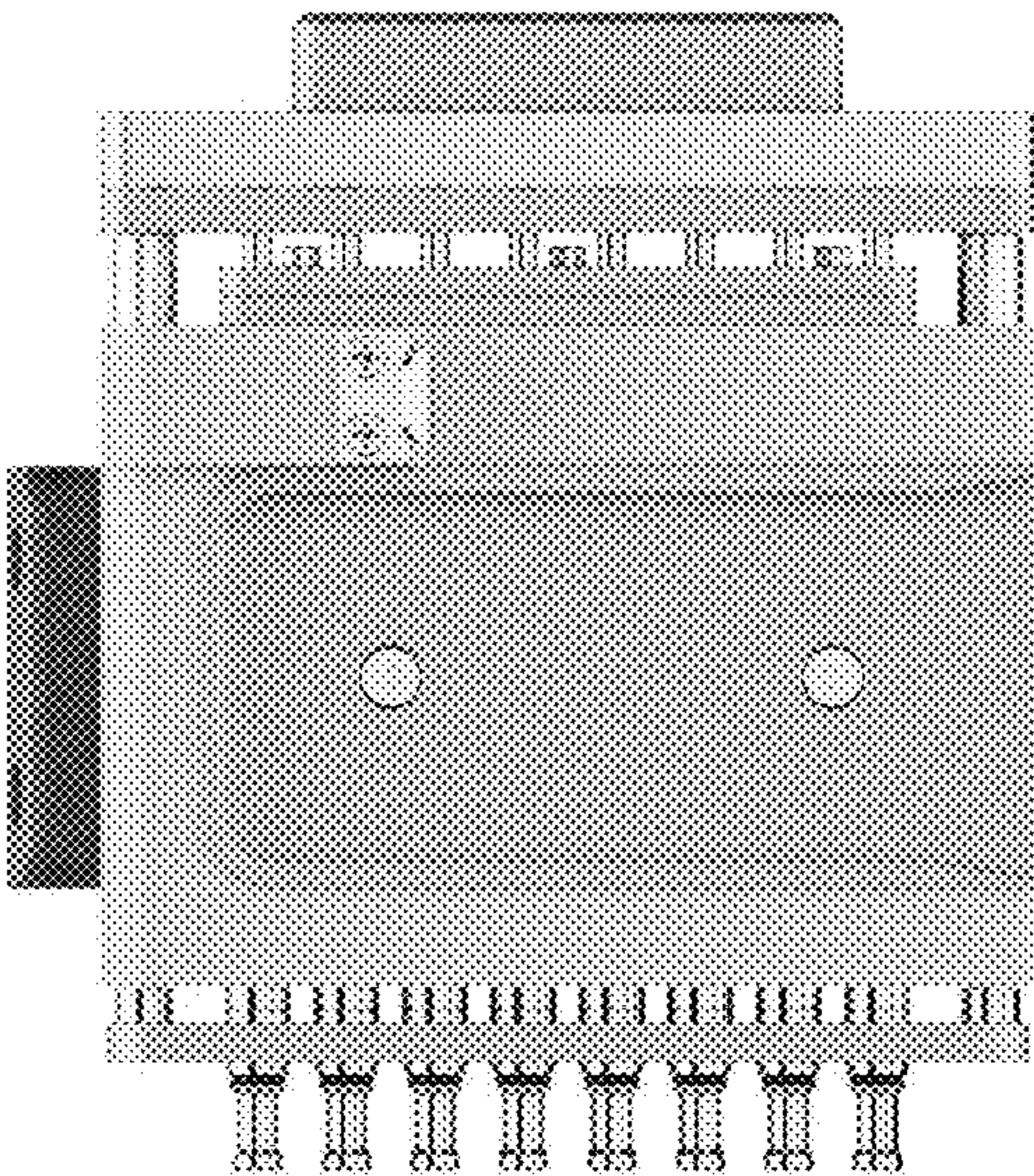
1.4



1.5



1.6



1.7

