

US00D777142S

(12) **United States Design Patent**  
**Yamaguchi**

(10) **Patent No.:** **US D777,142 S**  
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(54) **REMOTE CONTROLLER**

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- (\*\*) Term: **14 Years**

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- (22) Filed: **Apr. 30, 2014**

(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** ..... **14-03**

(52) **U.S. Cl.**  
USPC ..... **D14/218**

(58) **Field of Classification Search**  
USPC ..... D14/496, 480.5, 437, 435, 448, 388-89,  
D14/371, 374, 378-379, 305, 307, 349,  
D14/341, 336, 335, 218, 239, 138 R,  
D14/138 AD, 138 G, 125-126; 348/41,  
348/184, 383, 739, 751, 836; D12/317;  
D10/50; D6/310

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(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 1,091,999 A \* 3/1914 Allen ..... A47B 97/08  
248/463
- D255,103 S \* 5/1980 Wolfe ..... D10/50

(Continued)

**FOREIGN PATENT DOCUMENTS**

- EM 001658162-0001 \* 1/2010
- EM 001191290-0002 \* 2/2010

(Continued)

**OTHER PUBLICATIONS**

7" TFT LCD Display Module Touch Screen WVGA 800\*(RGB)\*480 Landscape w/Controller Board, wayback date Apr. 18, 2014, online, [http://web.archive.org/.../20140418020828/http://www.lcdmoduledisplay.com/china-7\\_quot\\_tft\\_lcd\\_display\\_module\\_touch\\_screen\\_wvga\\_800\\_rgb\\_480\\_landscape\\_w\\_controller\\_board-p12528.html](http://web.archive.org/.../20140418020828/http://www.lcdmoduledisplay.com/china-7_quot_tft_lcd_display_module_touch_screen_wvga_800_rgb_480_landscape_w_controller_board-p12528.html), [site visited Nov. 2, 2015 4:34:49 PM].\*

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(57) **CLAIM**

The ornamental design for a remote controller, as shown and described.

**DESCRIPTION**

FIG. 1. is a perspective view of the front, right, and top side of a remote controller showing my new design in a first environment of use;

FIG. 2. is a front view thereof;

FIG. 3. is a rear view thereof;

FIG. 4. is a left side view thereof;

FIG. 5. is a right side view thereof;

FIG. 6. is a top plan view thereof;

FIG. 7. is a bottom view thereof;

FIG. 8. is a cross-sectional end view at a line 8-8 shown in FIG. 2 with omitting the interior mechanism;

FIG. 9 is an enlarged view at a part 9 shown in FIG. 1;

FIG. 10 is an enlarged view at a part 10 shown in FIG. 8;

FIG. 11 is a perspective view of the front, right, and top side of a remote controller showing my new design in a second environment of use;

FIG. 12 is a front view thereof;

FIG. 13 is a rear view thereof;

FIG. 14 is a left side view thereof;

FIG. 15 is a right side view thereof;

FIG. 16 is a top plan view thereof;

FIG. 17 is a bottom view thereof;

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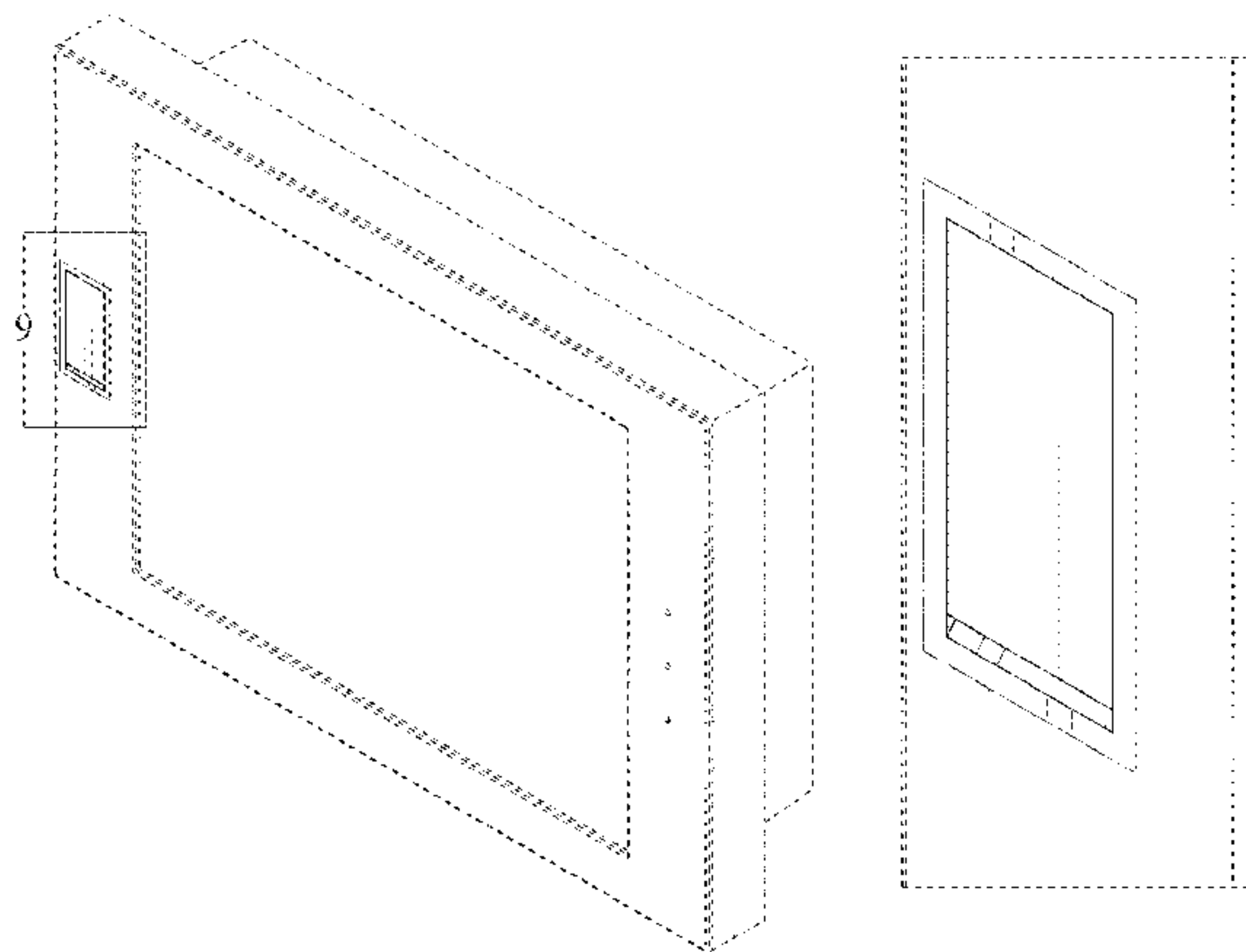


FIG. 18 is a cross-sectional end view at a line 18-18 shown in FIG. 12 with omitting the interior mechanism;  
 FIG. 19 is an enlarged view at a part 19 shown in FIG. 11; and,  
 FIG. 20 is an enlarged view at a part 20 shown in FIG. 18. The broken lines shown represent unclaimed subject matter of remote controller and form no part of the claimed design. The dash-dot lines represent the boundary between the claimed design and unclaimed design.

**1 Claim, 16 Drawing Sheets**

(58) **Field of Classification Search**

CPC ..... H04N 5/64; B60R 11/02; G06F 3/041;  
 G08B 6/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D267,479 S \* 1/1983 Collins ..... D10/50  
 D350,963 S \* 9/1994 Witzky ..... D14/230  
 D364,103 S \* 11/1995 Stievenart ..... D10/50  
 D510,918 S \* 10/2005 Kubota ..... D14/126  
 D525,160 S \* 7/2006 Kurata ..... D10/104.1  
 D579,798 S \* 11/2008 Kachlick ..... D10/50  
 D632,696 S \* 2/2011 Koh ..... D14/436

D639,277 S \* 6/2011 Alvarado ..... D14/218  
 D645,001 S \* 9/2011 Margolin ..... D13/162  
 D653,643 S \* 2/2012 Roka ..... D14/138 AD  
 D669,877 S \* 10/2012 Chung ..... D14/138 AD  
 D689,840 S \* 9/2013 Lu ..... D14/138 G  
 D693,874 S \* 11/2013 Daniel ..... D19/10  
 D696,015 S \* 12/2013 Daniel ..... D3/249  
 D701,900 S \* 4/2014 Daniel ..... D19/10  
 D705,095 S \* 5/2014 Steinberg ..... D10/50  
 D727,858 S \* 4/2015 Sakai ..... D13/174  
 D738,229 S \* 9/2015 Jiang ..... D10/50  
 2005/0057129 A1\* 3/2005 Bober ..... A47B 51/00  
 312/312  
 2013/0176244 A1\* 7/2013 Yamamoto ..... G06F 3/041  
 345/173

FOREIGN PATENT DOCUMENTS

EM 002144683-0008 \* 11/2012  
 EM 002454413-0009 \* 7/2014

OTHER PUBLICATIONS

Mitsubishi Electric Automation Introduces Graphic Operation Terminal with Touchscreen Capability, post date Jul. 21, 2014, online, <https://www.maintenancetechnology.com/2014/07/mitsubishi-electric-automation-introduces-graphic-operation-terminal-touchscreen-capability/>, [site visited Nov. 2, 2015 4:17:43 PM].\*

\* cited by examiner

Fig. 1

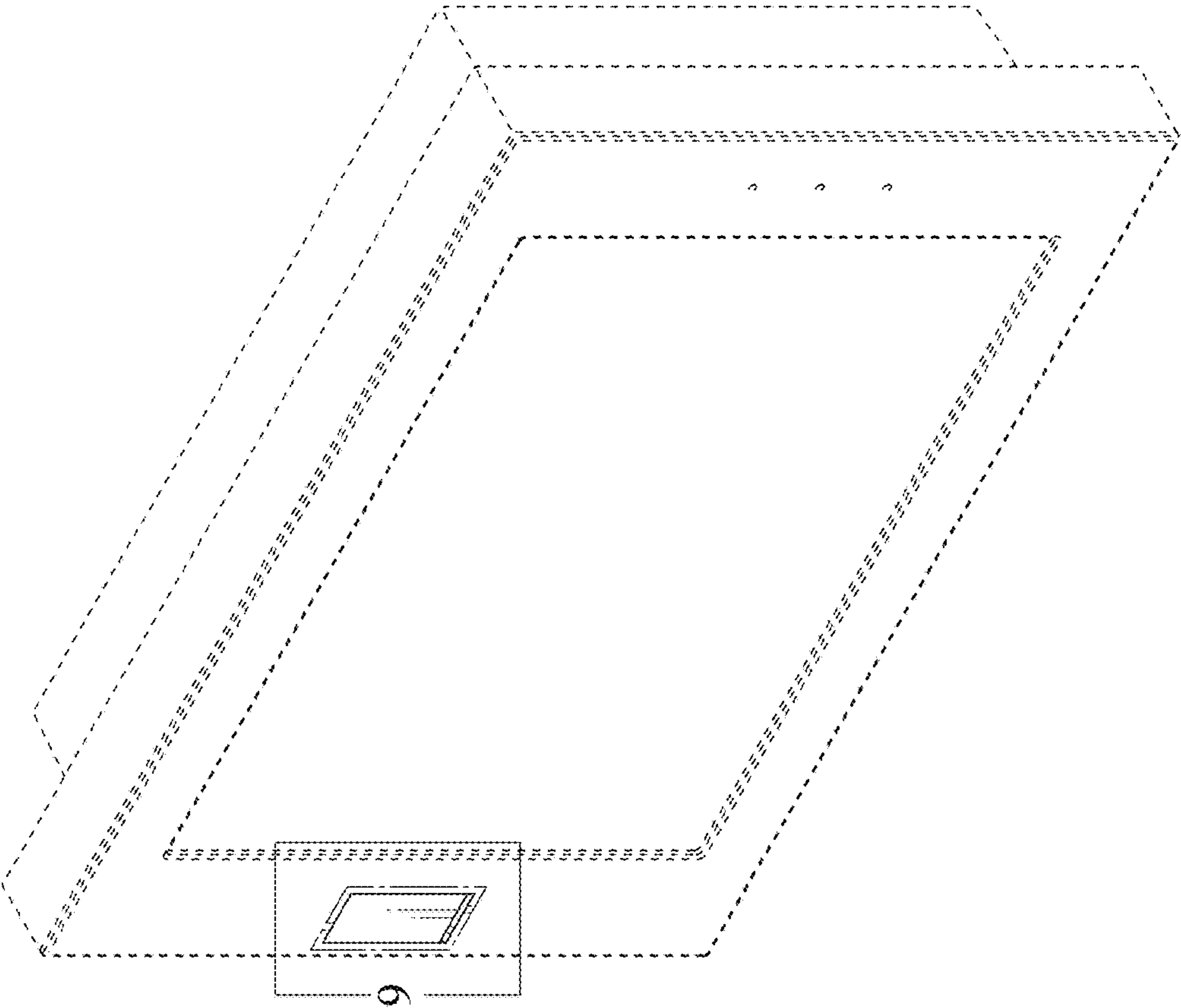


Fig. 2

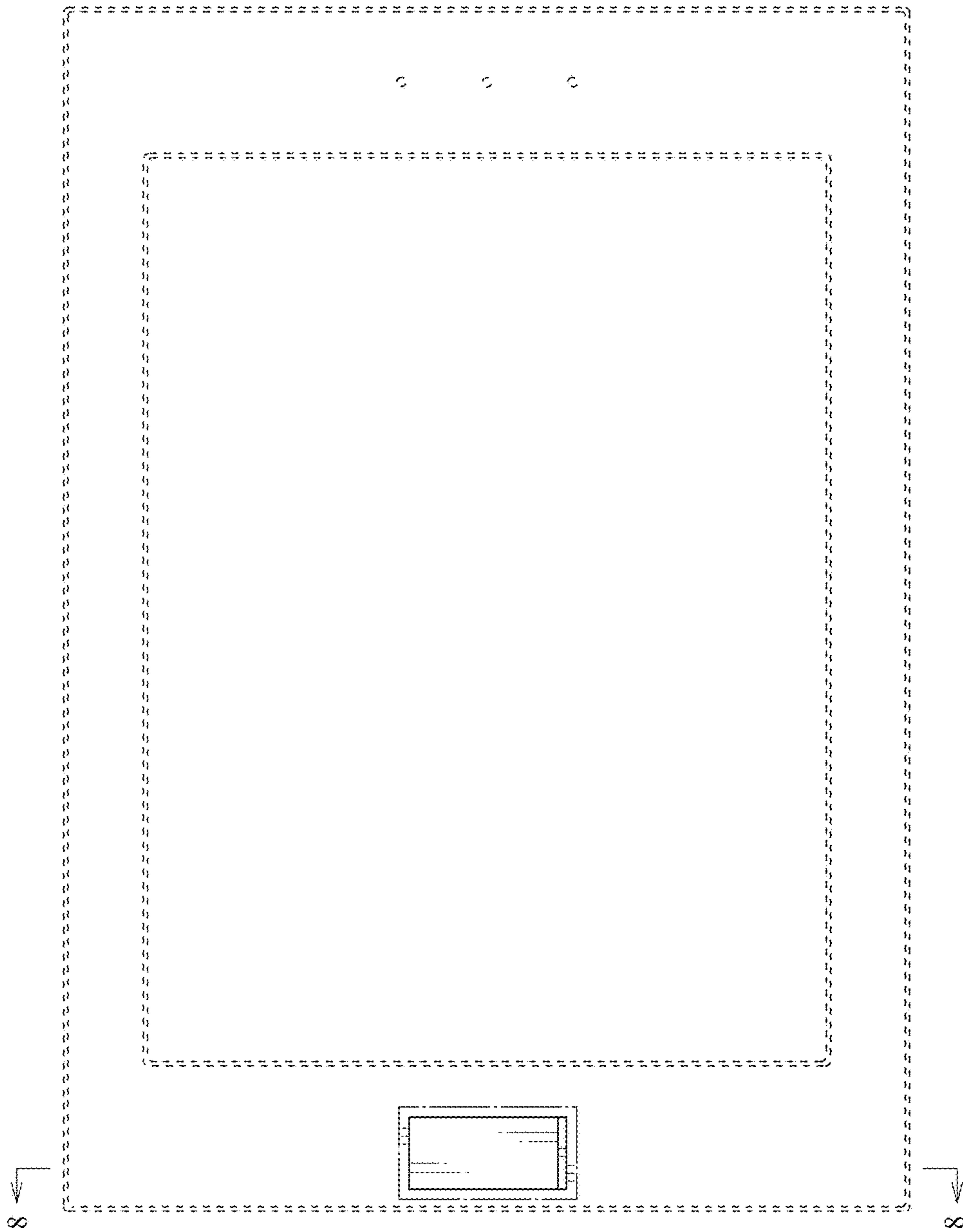


Fig. 3

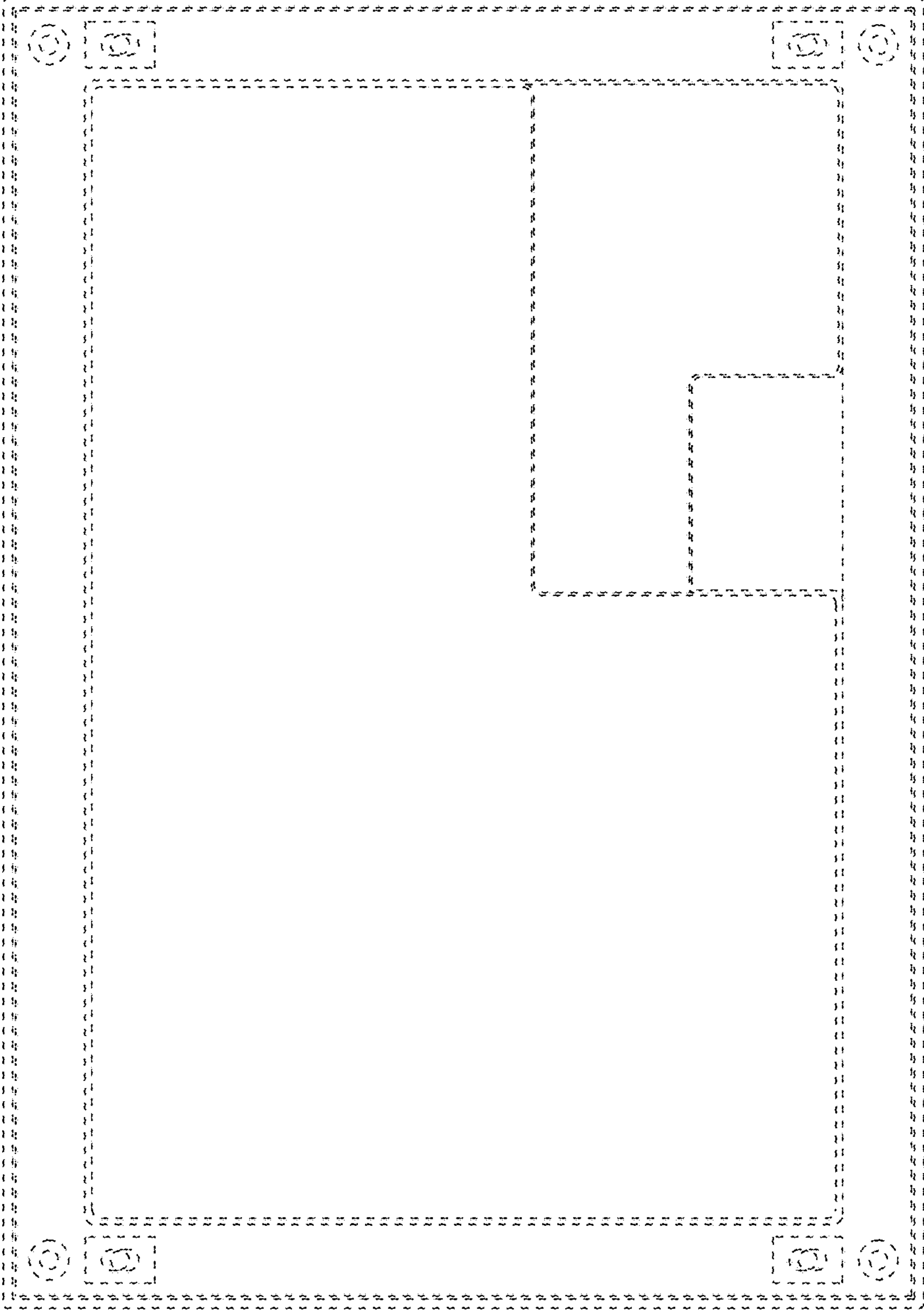


Fig. 5



Fig. 4

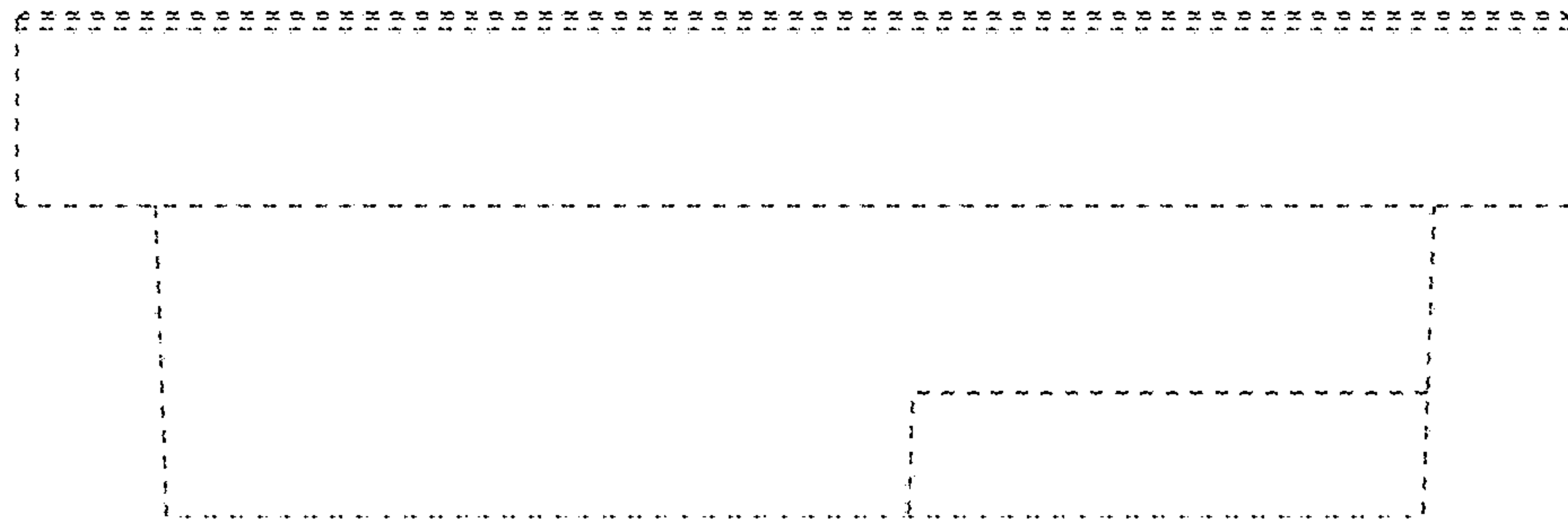




Fig. 6

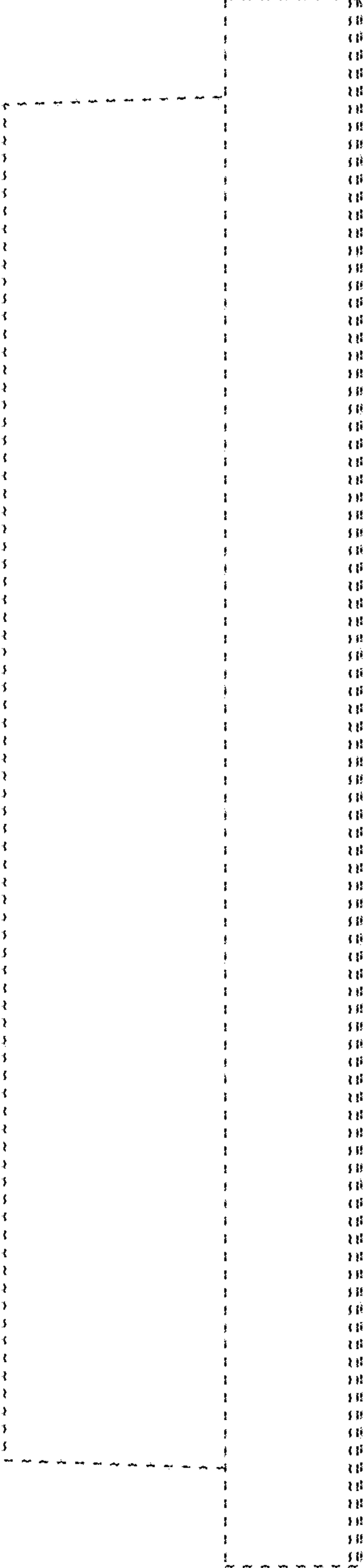


Fig. 7

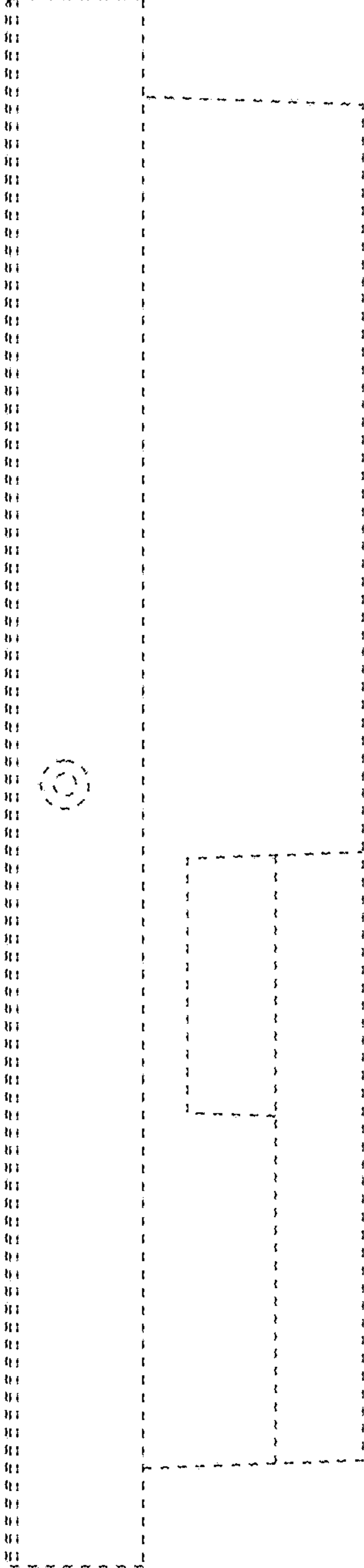


Fig. 8

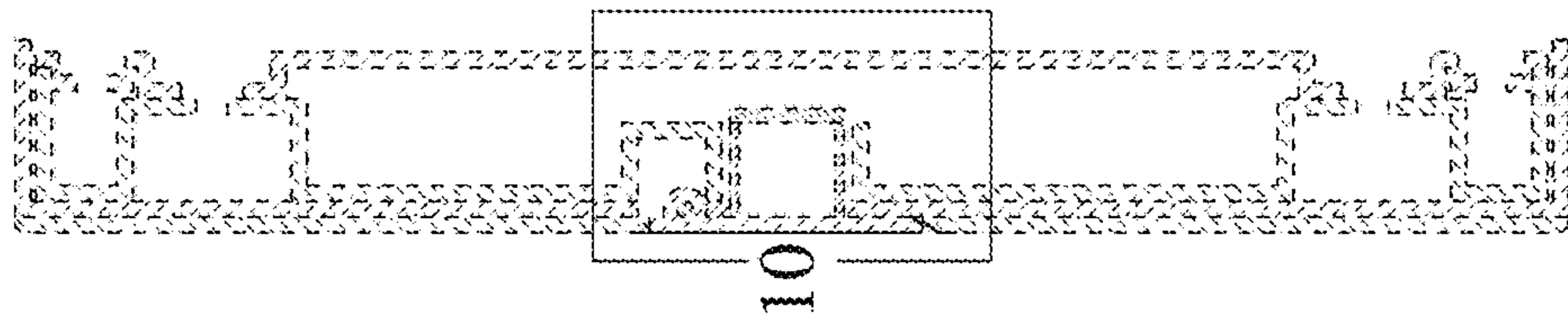




Fig. 9

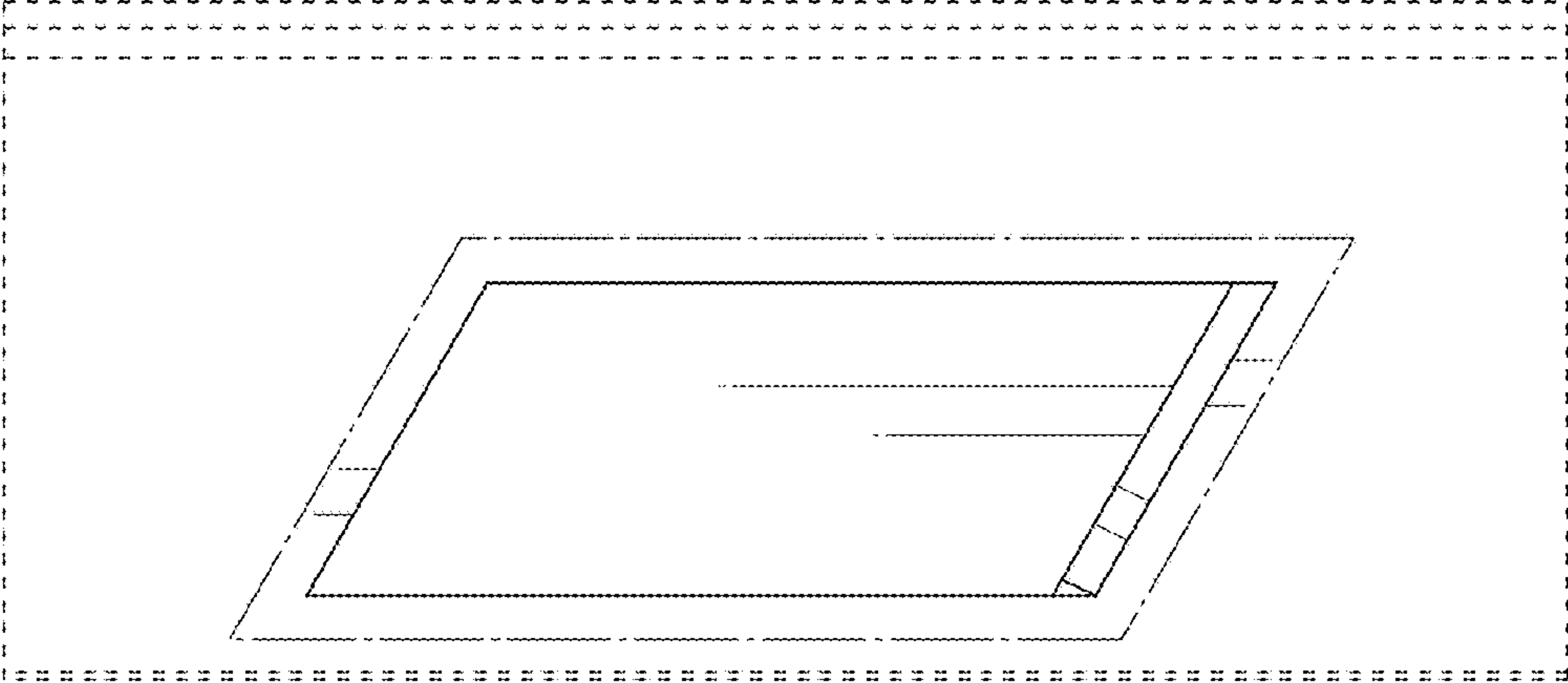


Fig. 10

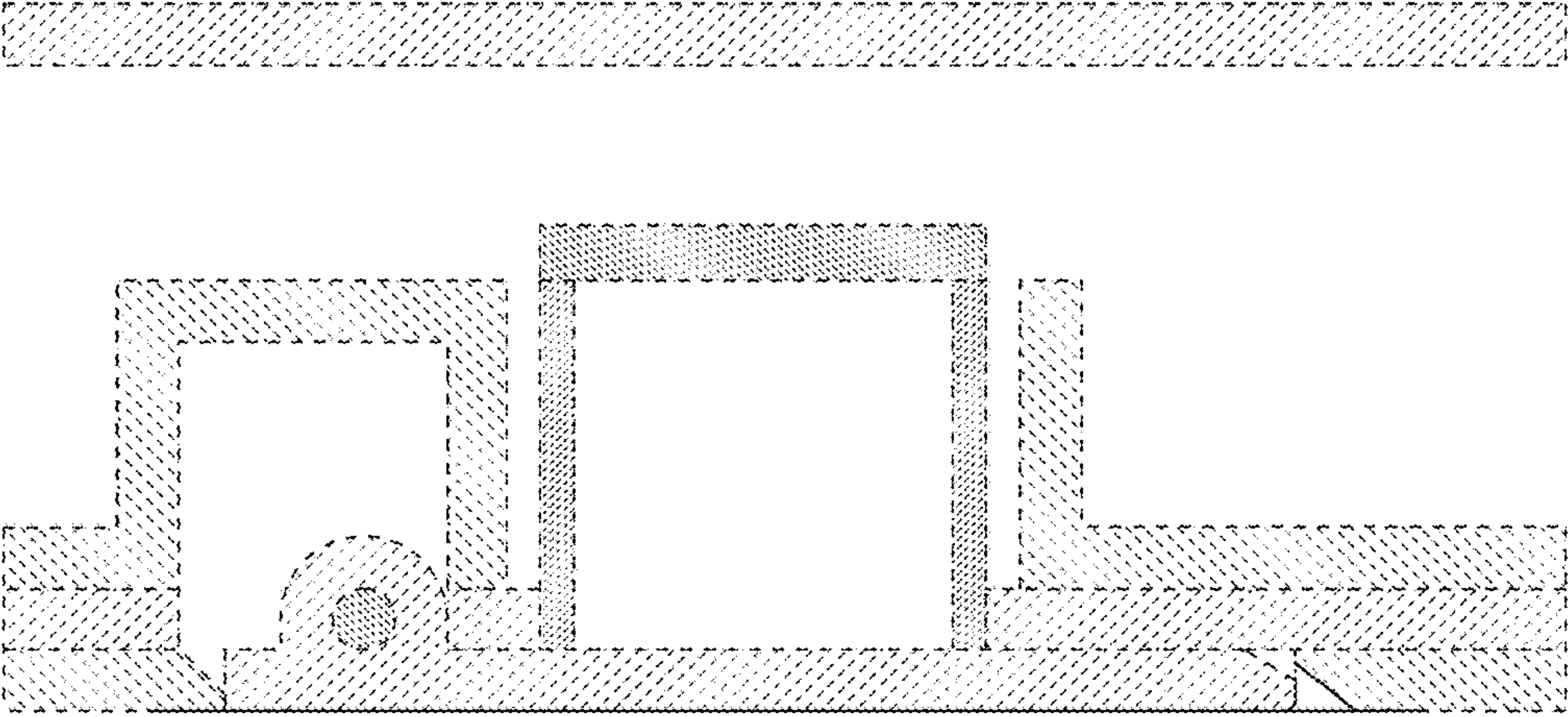


Fig. 11

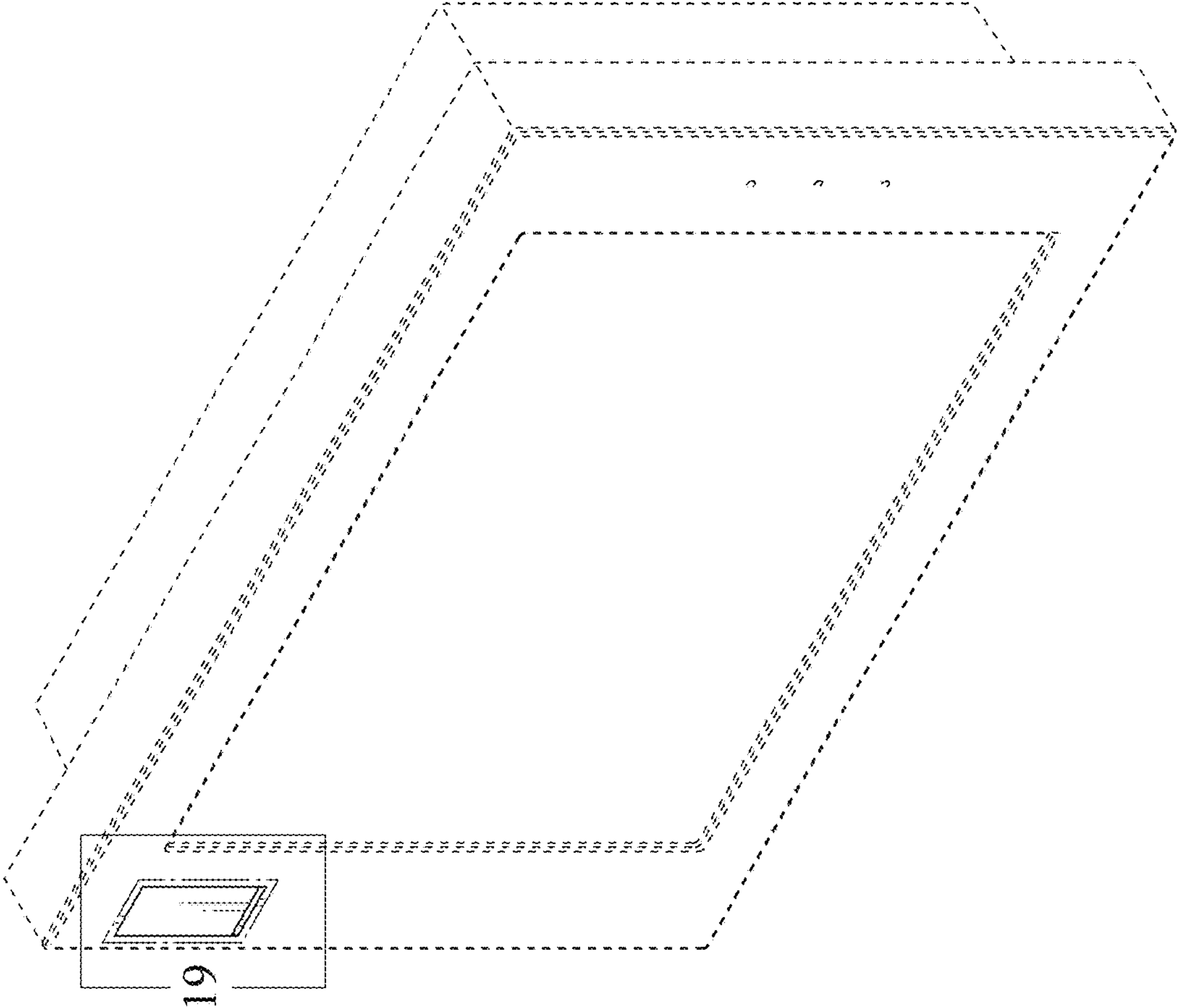


Fig. 12

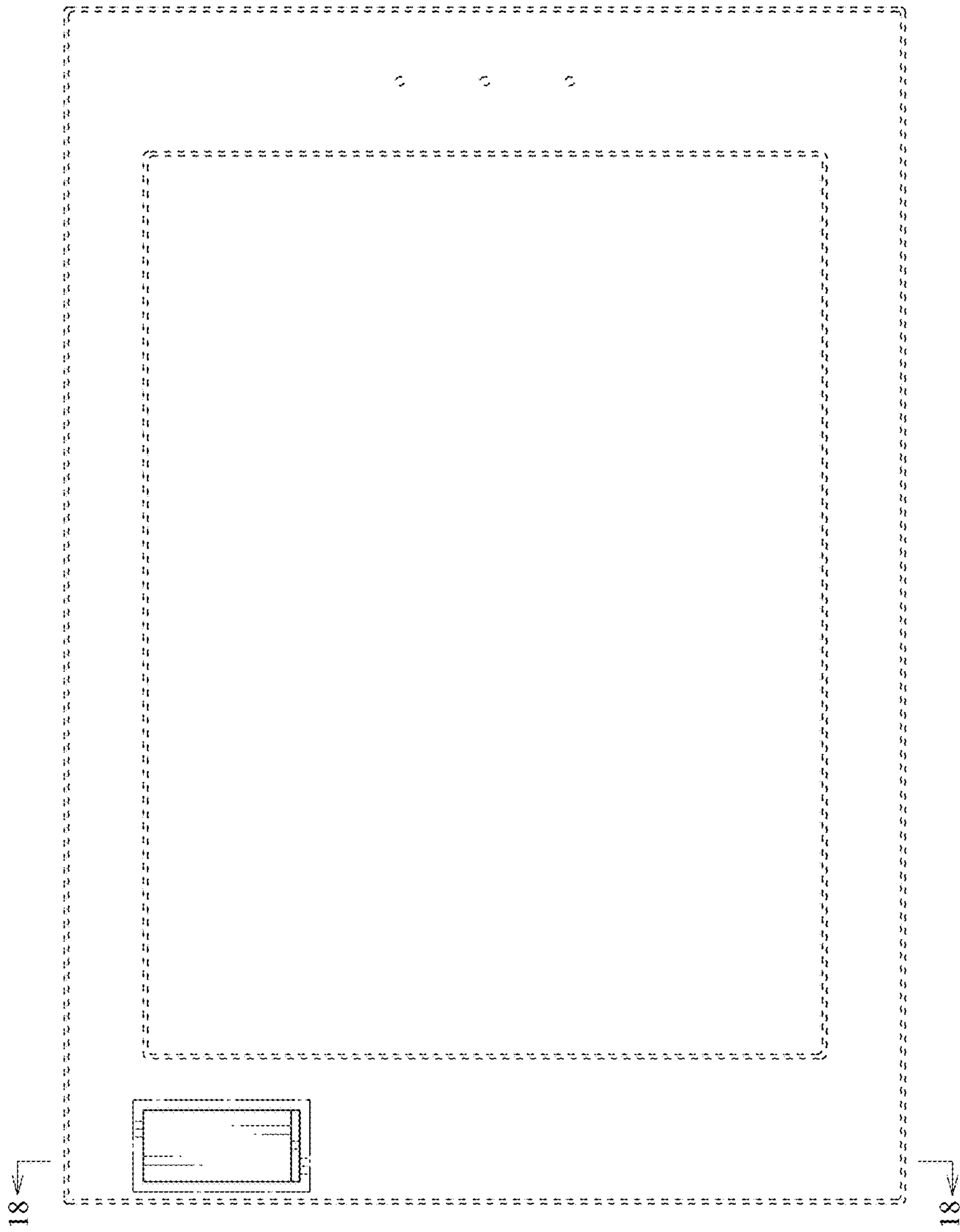


Fig. 13

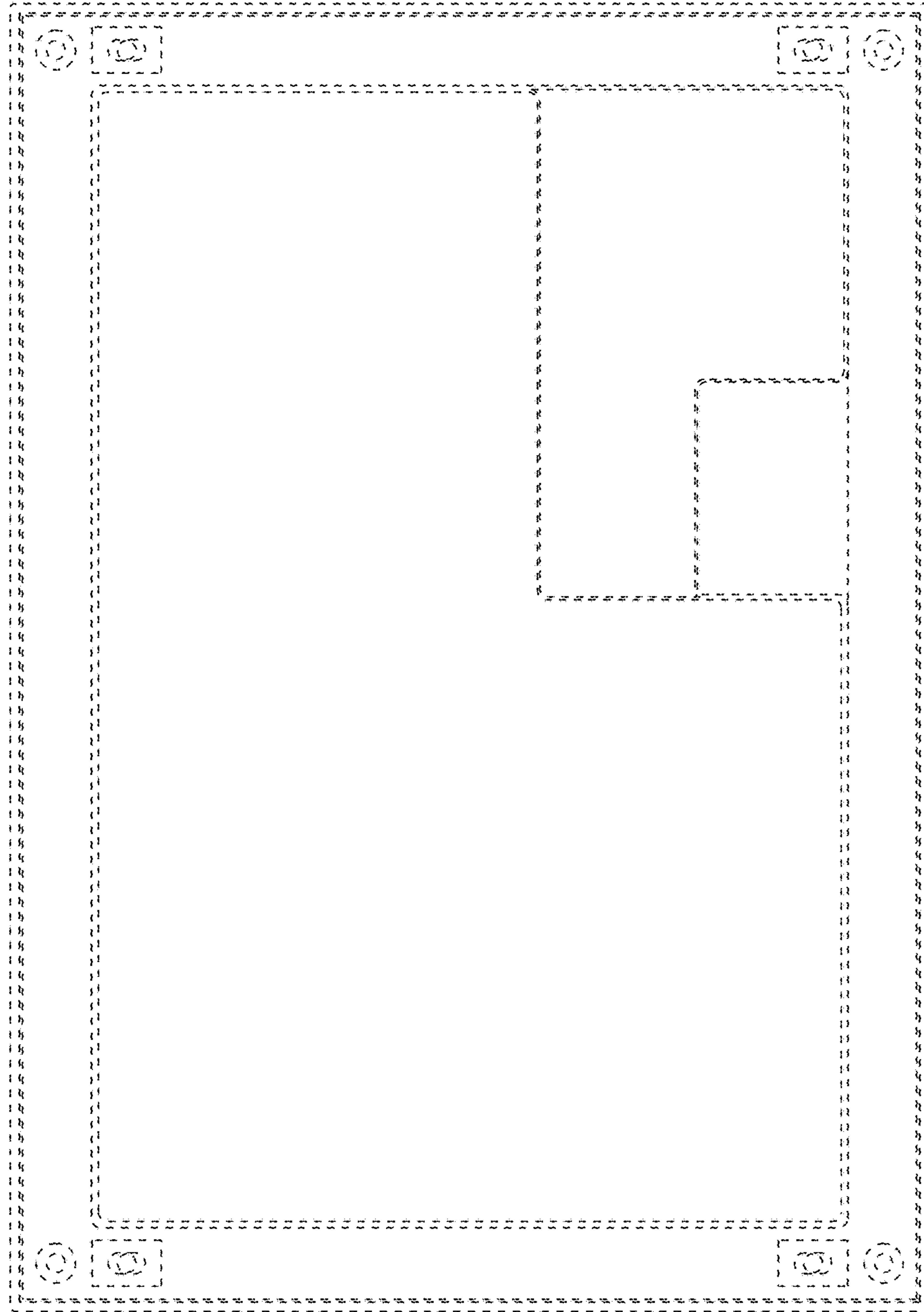


Fig. 15

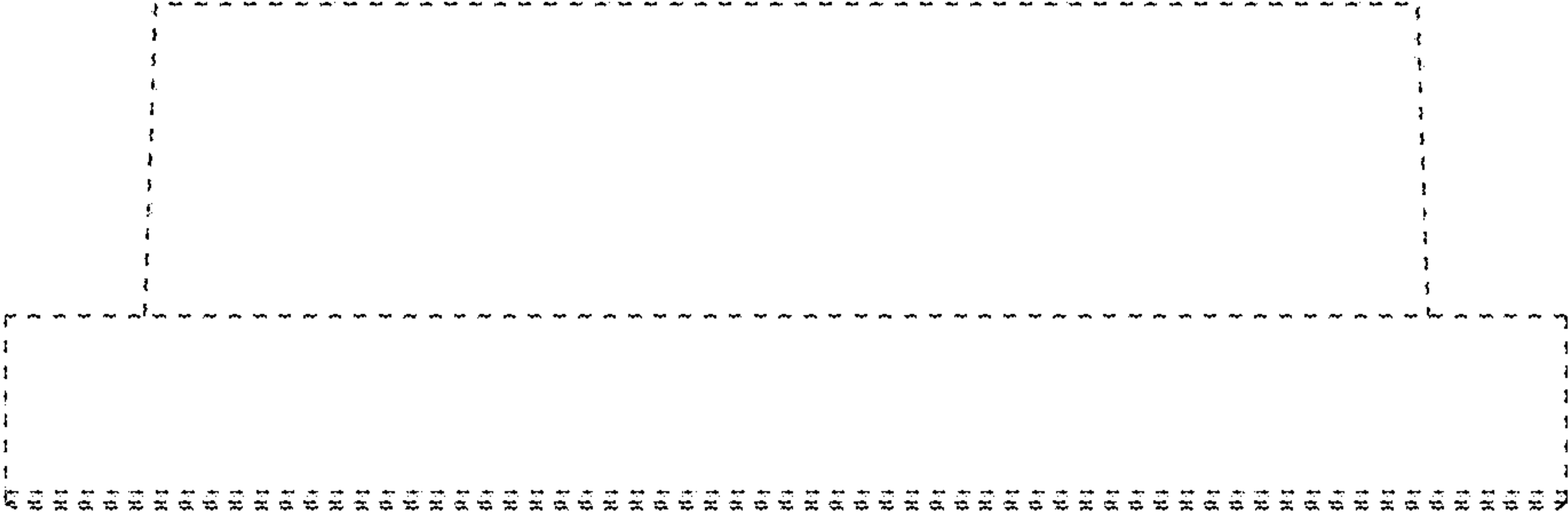


Fig. 14

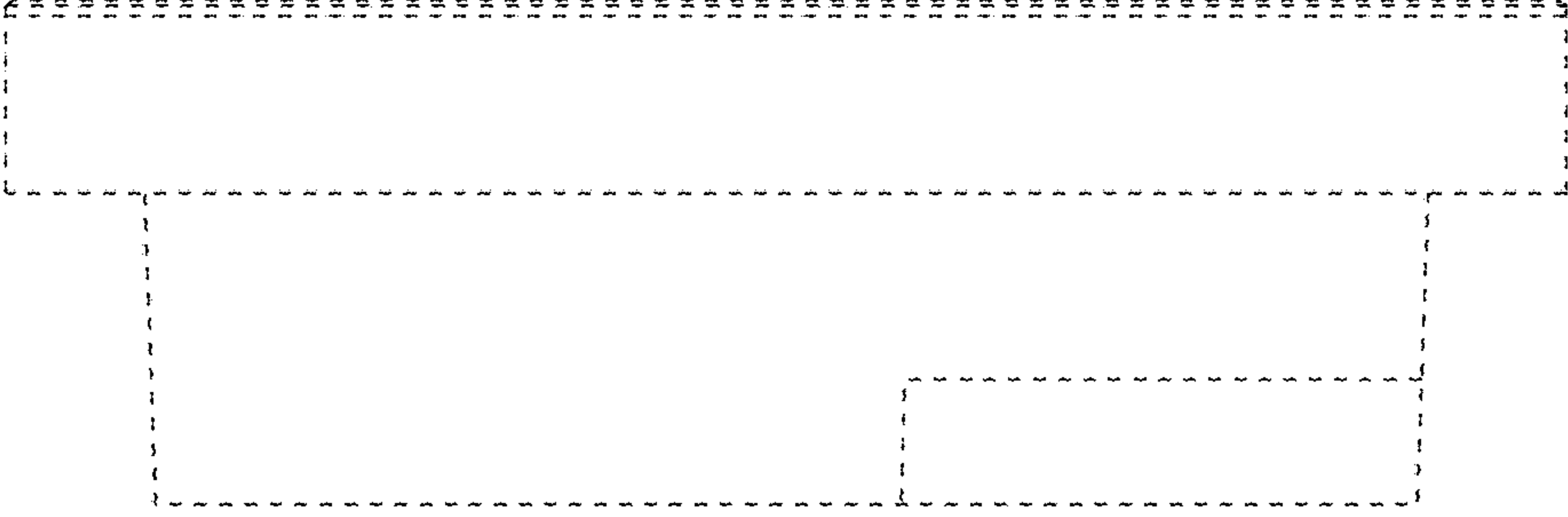




Fig. 16

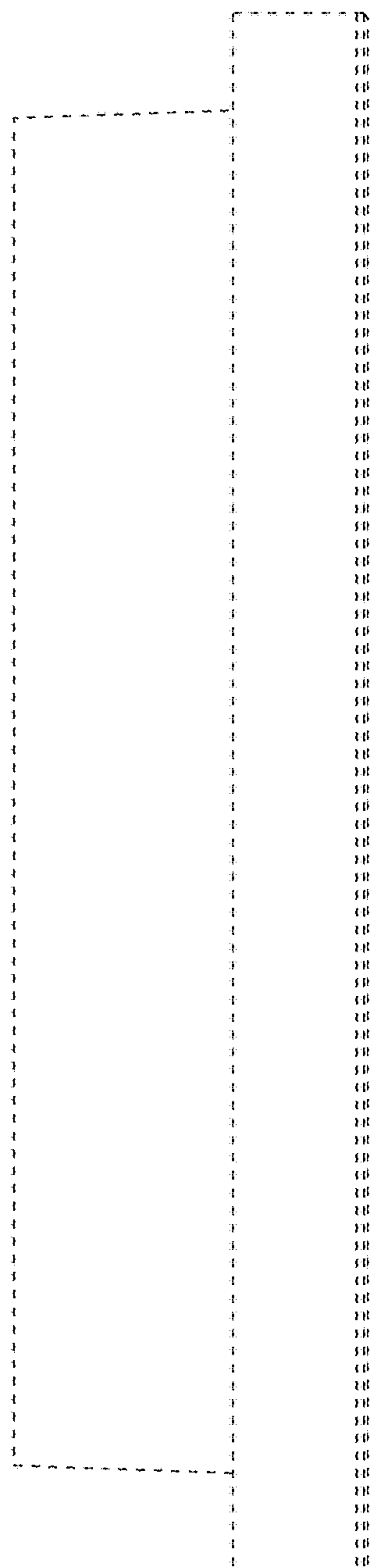


Fig. 17

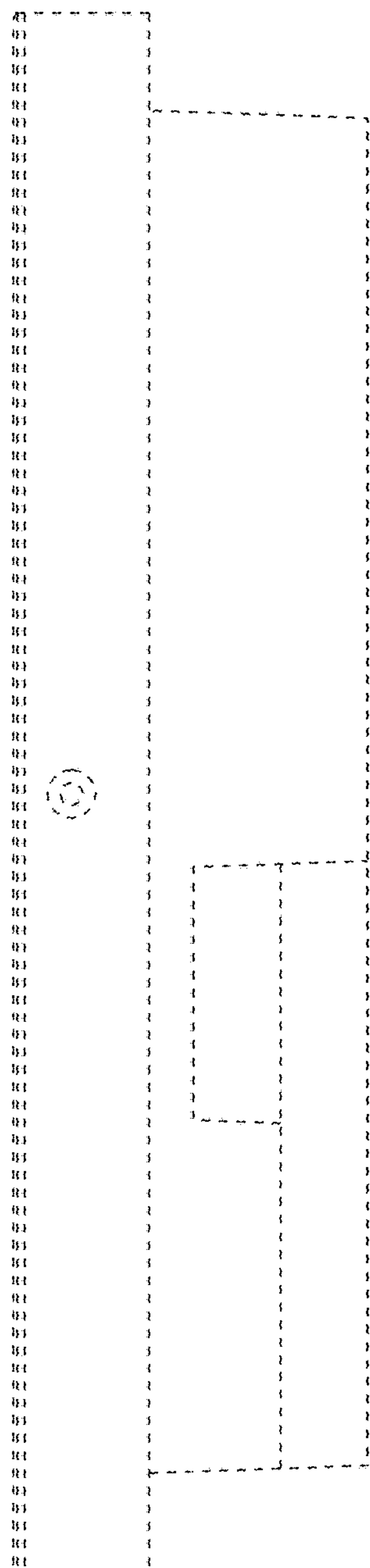


Fig. 18

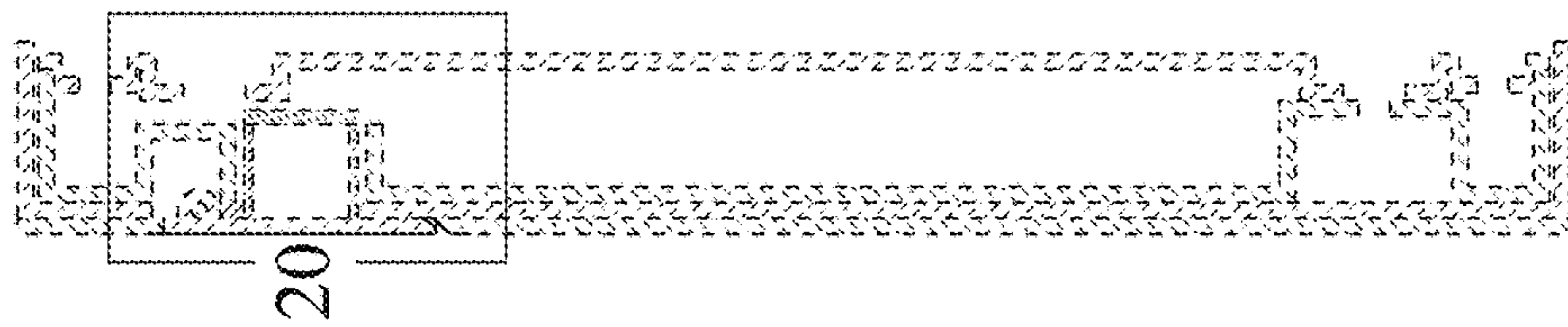


Fig. 19

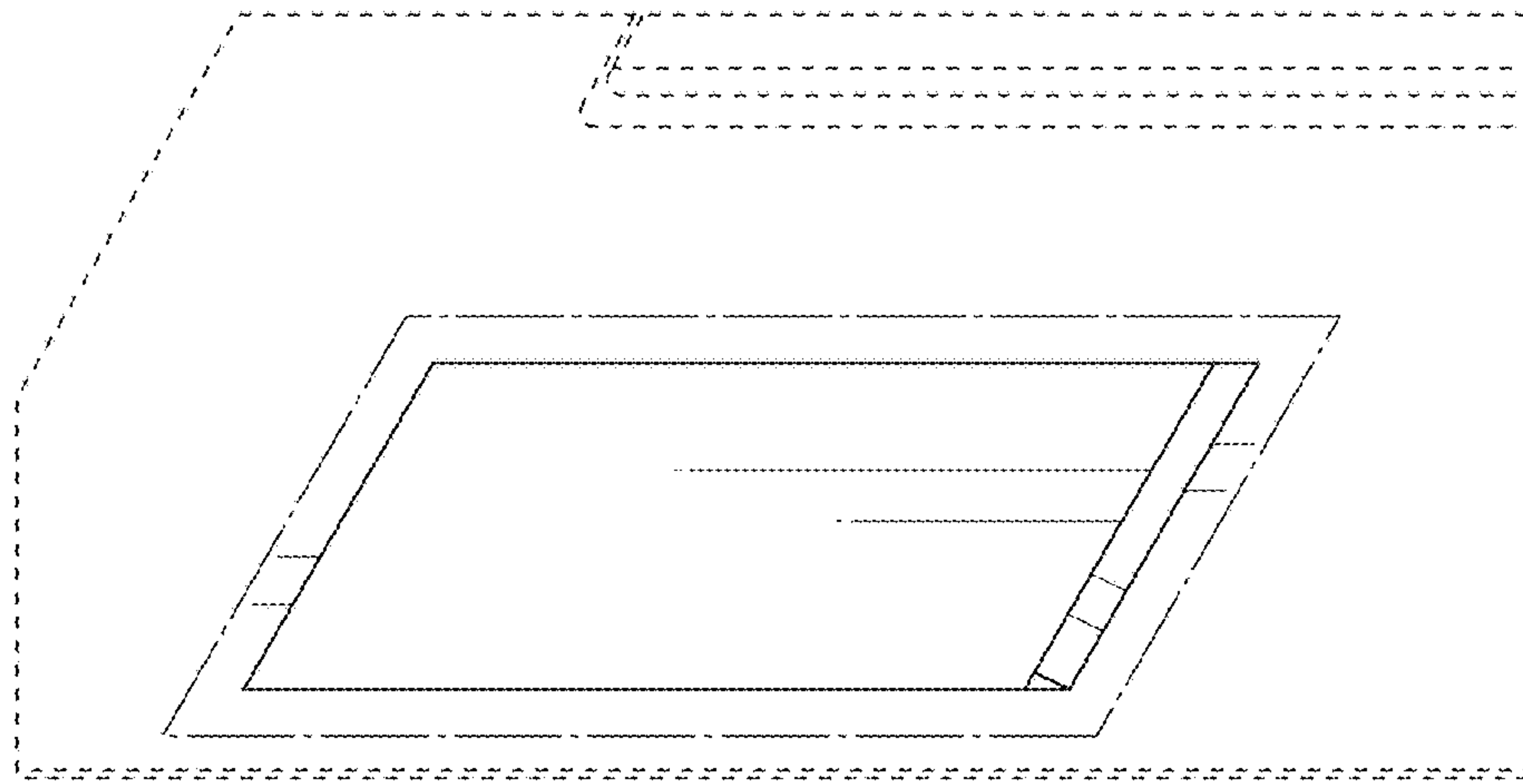


Fig. 20

