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(12) **United States Design Patent** (10) **Patent No.:** **US D817,352 S**
Iizawa et al. (45) **Date of Patent:** **** May 8, 2018**

(54) **LIQUID CRYSTAL DISPLAY (LCD) FOR OPERATING THE STATE OF HOME APPLIANCES WITH GRAPHICAL USER INTERFACE**

H04N 21/41407; H04N 21/4756; H04N 21/4788; H04N 21/8173; H04N 21/8549
 See application file for complete search history.

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(56) **References Cited**

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U.S. PATENT DOCUMENTS

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6,344,860 B1 2/2002 Watts
 6,611,537 B1 8/2003 Edens et al.
 7,222,241 B2 5/2007 Milgramm et al.
 7,761,812 B2 7/2010 Ostojic et al.
 D649,554 S 11/2011 Plaisted et al.

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

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(21) Appl. No.: **29/604,040**

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Related U.S. Application Data

(62) Division of application No. 29/463,735, filed on Feb. 20, 2014, now Pat. No. Des. 790,557.

(57) **CLAIM**

The ornamental design for liquid crystal display (LCD) for operating the state of home appliances with graphical user interface, as shown and described.

(30) **Foreign Application Priority Data**

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DESCRIPTION

(51) **LOC (11) Cl.** **14-04**

(52) **U.S. Cl.**
USPC **D14/486**

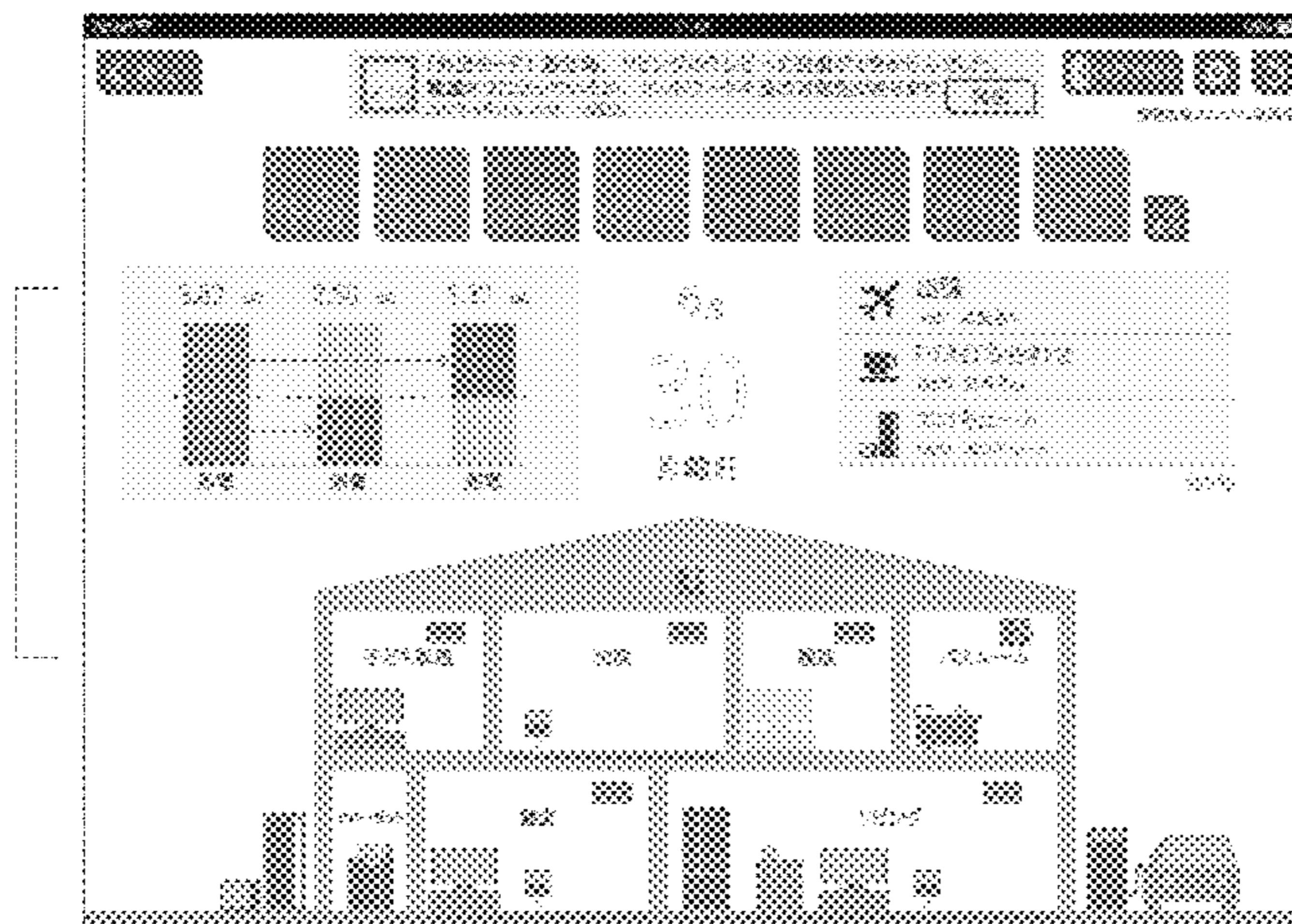
(58) **Field of Classification Search**
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 G06F 3/04842; G06F 3/04847; G08B
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 G08B 17/113; G08B 21/10; G08B 25/10;
 G08B 25/007; G08B 25/009; G08B
 29/14; G08B 29/188; G08B 29/24; H04N
 5/2254; H04N 5/2256; H04N 5/23206;
 H04N 5/33; H04N 7/18; H04N 21/2743;

FIG. 1 is a front, top and right side perspective view of a liquid crystal display (LCD) for operating the state of home appliances with graphical user interface, showing our new design;

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; and,
 FIG. 6 is a top plan view thereof.

The broken line showing in FIGS. 1-6 of a tablet type computer illustrates the environment of the article of manufacture. The broken line showing in FIGS. 1 and 2 of a display panel or screen, and text, illustrates portions of the article of manufacture. None of the broken lines form part of the claimed design.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

8,558,179 B2 *	10/2013	Filson	G05D 23/1902 236/1 C	2012/0176252 A1	7/2012	Drew et al.	
D696,275 S	12/2013	Tagliabue et al.		2012/0243469 A1	9/2012	Klein	
8,893,032 B2	11/2014	Bruck et al.		2013/0024799 A1 *	1/2013	Fadell	G05D 23/1902 715/771
8,995,687 B2	3/2015	Marino et al.		2013/0080955 A1	3/2013	Reimann et al.	
8,998,102 B2	4/2015	Fadell et al.		2013/0263034 A1 *	10/2013	Bruck	F24F 11/0086 715/771
D731,511 S	6/2015	Jones et al.		2014/0031989 A1	1/2014	Bergman et al.	
D774,533 S *	12/2016	Takahashi	D14/486	2014/0277795 A1 *	9/2014	Matsuoka	G06O 30/0202 700/291
D785,639 S *	5/2017	Porter	D14/485	2015/0096876 A1 *	4/2015	Mittleman	H01H 11/00 200/341
D790,557 S *	6/2017	Iizawa	D14/485	2016/0004390 A1 *	1/2016	Laska	G06K 9/00711 715/723
9,691,266 B2 *	6/2017	Deluliis	G08B 29/14	2016/0041724 A1 *	2/2016	Kirkby	G06K 9/6267 715/719
9,732,979 B2 *	8/2017	Fadell	F24F 11/006	2016/0286607 A1 *	9/2016	Mishra	G08B 13/19613
9,794,522 B2 *	10/2017	Sannala	H01Q 21/28	2016/0364114 A1 *	12/2016	Von Dehsen	H04L 12/2807
9,854,425 B2 *	12/2017	Narang	H04W 8/005				
2009/0094484 A1	4/2009	Son et al.					
2011/0301722 A1	12/2011	Sato et al.					

* cited by examiner

Fig. 1

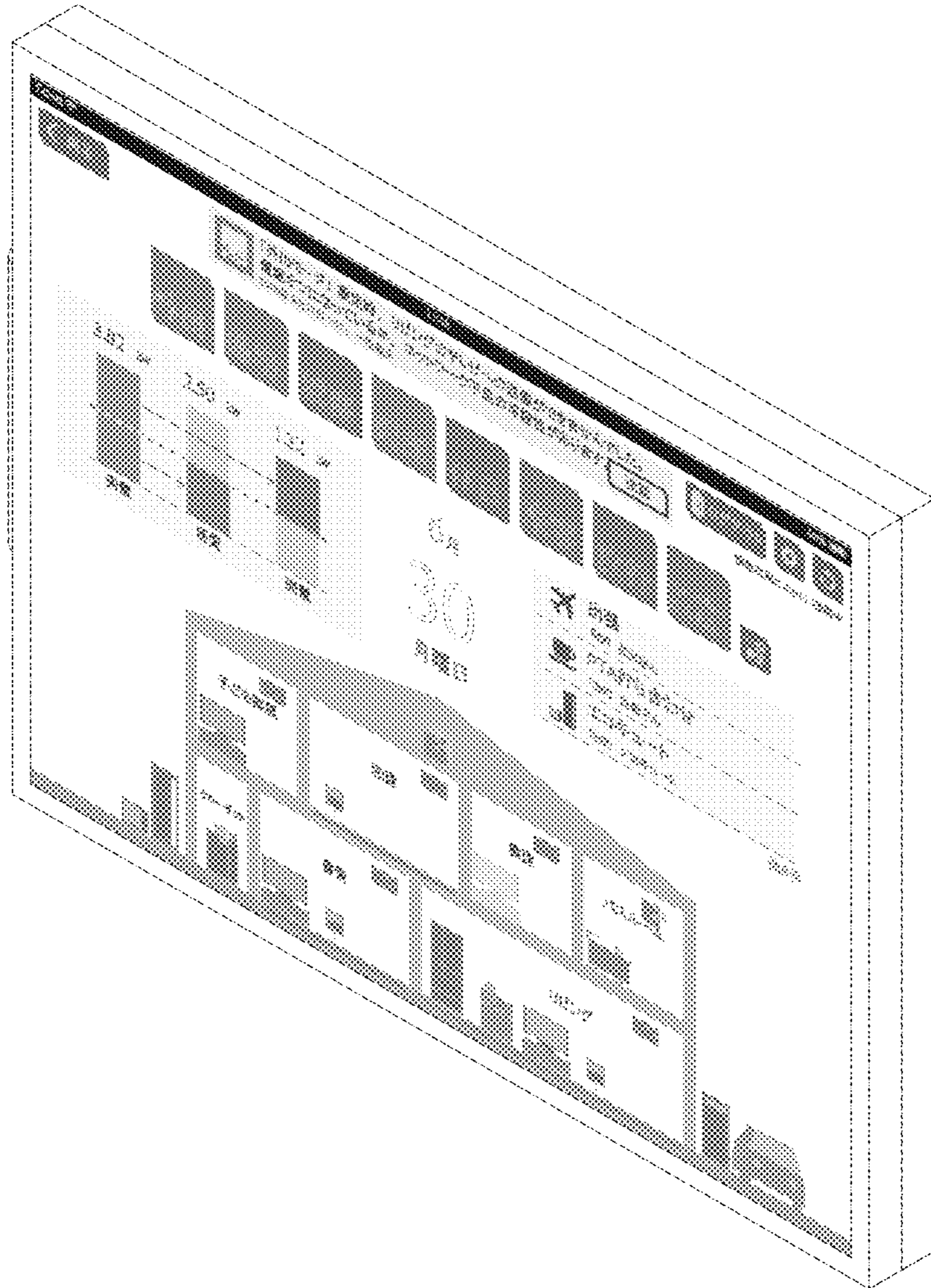


Fig. 2

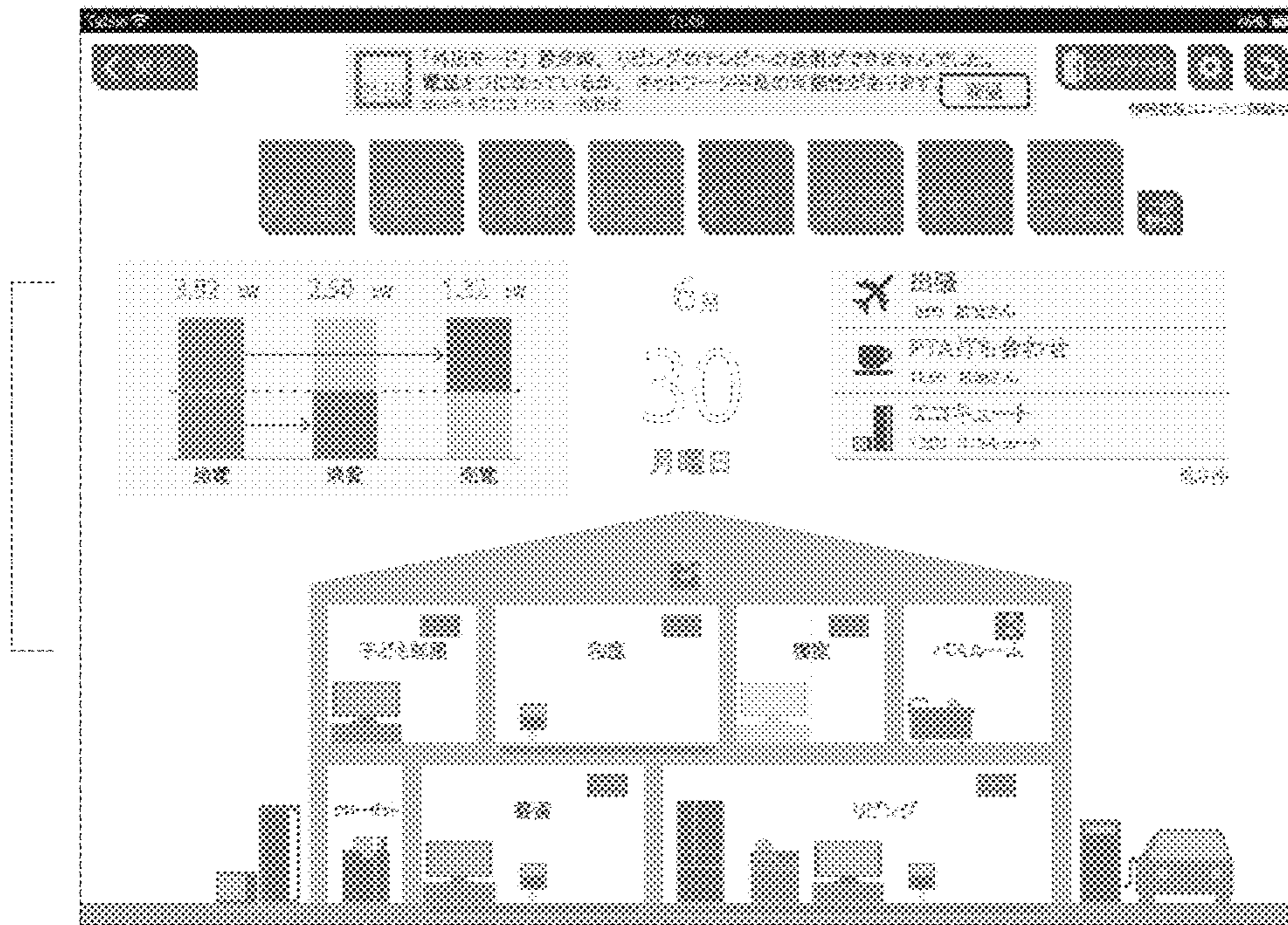


Fig. 3



Fig. 4

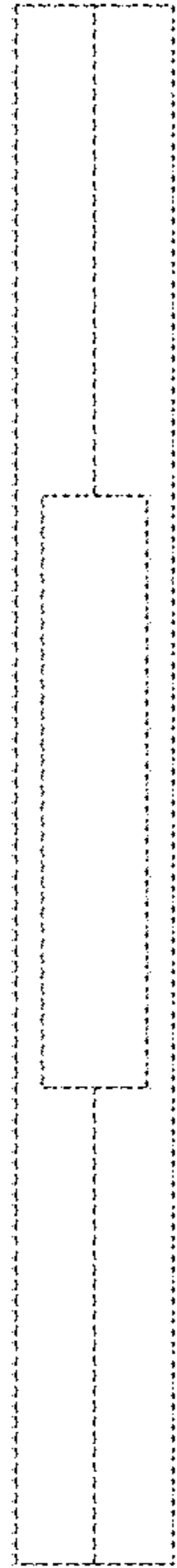


Fig. 5

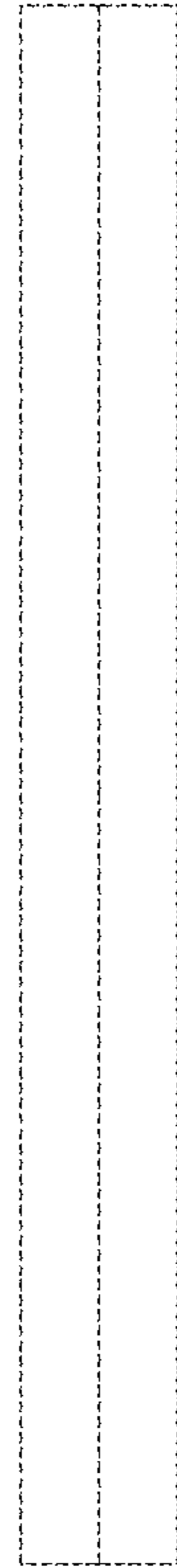


Fig. 6

