US00D780704S

(12) United States Design Patent

Kiridoshi et al.

(10) Patent No.: US D780,704 S
(45) Date of Patent: ** Mar. 7, 2017

(54) **LIGHT SOURCE MODULE**

(71) Applicant: **MITSUBISHI ELECTRIC CORPORATION**, Tokyo (JP)

(72) Inventors: **Satoru Kiridoshi**, Tokyo (JP); **Hironobu Kawaguchi**, Tokyo (JP); **Hideaki Nishi**, Tokyo (JP); **Masato Teranishi**, Tokyo (JP); **Junichi Nara**, Tokyo (JP)

(73) Assignee: **Mitsubishi Electric Corporation**, Tokyo (JP)

(**) Term: **14 Years**

(21) Appl. No.: **29/516,316**

(22) Filed: **Jan. 30, 2015**

(30) **Foreign Application Priority Data**

Aug. 27, 2014 (JP) 2014-018790
Aug. 27, 2014 (JP) 2014-018791
Aug. 27, 2014 (JP) 2014-018792

(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/180**

(58) **Field of Classification Search**
USPC D13/180; D26/1, 72, 74, 118, 120, 122; D6/582; D32/57

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D299,871 S * 2/1989 Jennings D25/157
D348,131 S * 6/1994 Bozzo D32/55

(Continued)

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Studebaker & Brackett PC

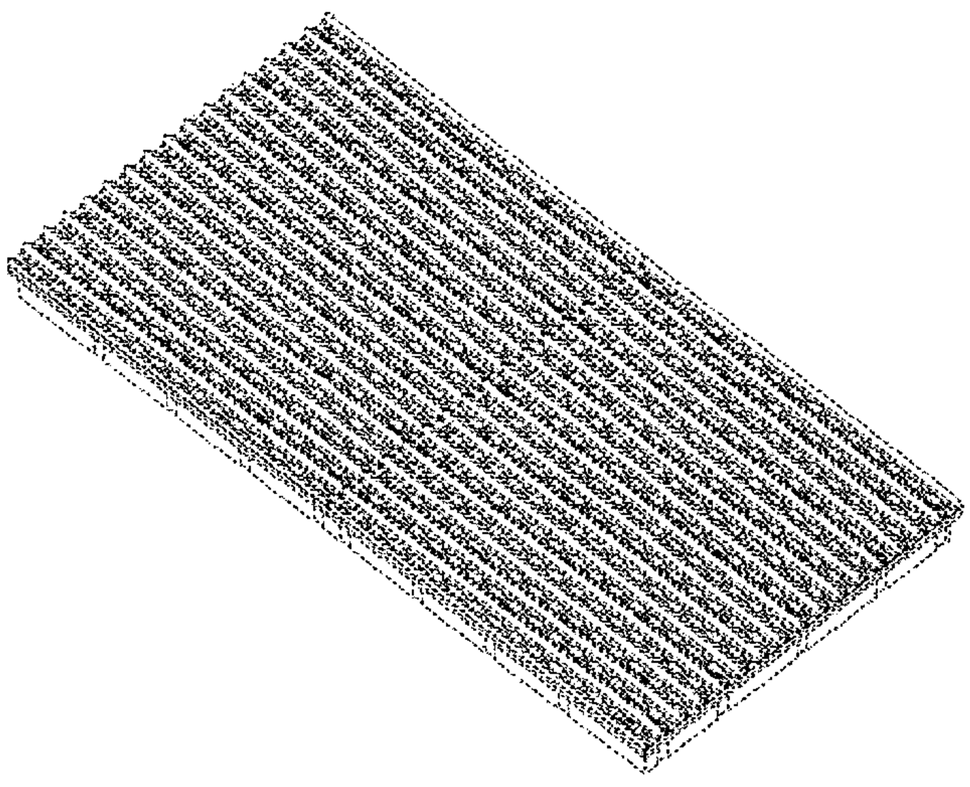
(57) **CLAIM**

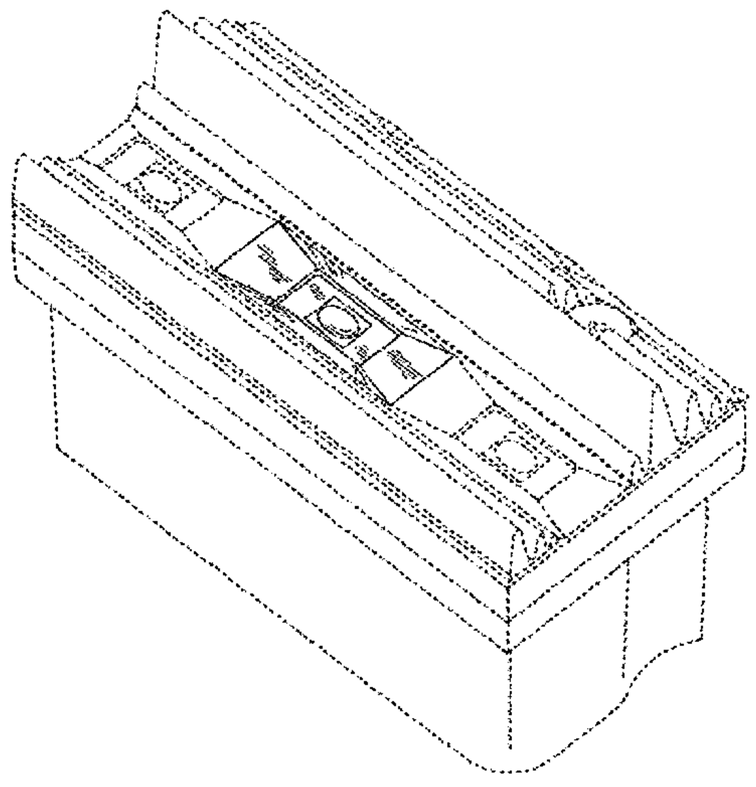
The ornamental design for a light source module, as shown and described.

DESCRIPTION

FIG. **1** is a front, top and right side perspective view of a light source module, showing our new design;
FIG. **2** is a front elevational view thereof;
FIG. **3** is a rear elevational view thereof;
FIG. **4** is a left side elevational view thereof;
FIG. **5** is a Right side elevational view thereof;
FIG. **6** is a Top plan view thereof;
FIG. **7** is a Bottom plan view thereof;
FIG. **8** is an enlarged perspective view of a part thereof;
FIG. **9** is an enlarged view of a part thereof;
FIG. **10** is an enlarged cross-sectional view taken along line B-B with internal system omitted thereof;
FIG. **11** is a reference view with the light-transmitting portion drawn by oblique lines thereof;
FIG. **12** is a front, top and right side perspective view thereof;
FIG. **13** is a front elevational view thereof;
FIG. **14** is a rear elevational view thereof;
FIG. **15** is a left side elevational view thereof;
FIG. **16** is a Right side elevational view thereof;
FIG. **17** is a Top plan view thereof;
FIG. **18** is a Bottom plan view thereof;
FIG. **19** is an enlarged perspective view of a part thereof;
FIG. **20** is an enlarged view of a part thereof;
FIG. **21** is an enlarged cross-sectional view taken along line B-B with internal system omitted thereof; and,
FIG. **22** is a reference view with the light-transmitting portion drawn by oblique lines thereof.
The broken lines in all views are shown for illustrative purposes only and form no part of the claimed design.

1 Claim, 22 Drawing Sheets





(58) **Field of Classification Search**
CPC ... H01L 25/167; H01L 25/0753; H01L 27/15; H01L 27/156; H01L 31/02; H01L 33/00; H01L 33/04; H01L 33/08; H01L 33/10; H01L 33/20; H01L 33/38; H01L 33/42; H01L 33/48; H01L 33/483; H01L 33/486; F21K 9/135; F21K 9/30; F21K 9/50; Y10S 362/80
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,987,668	A *	11/1999	Ackley	A47C 27/22 428/159
6,188,527	B1 *	2/2001	Bohn	B29D 11/00365 257/100
D493,566	S *	7/2004	Yu	D26/122
D494,704	S *	8/2004	Yu	D26/122
D502,284	S *	2/2005	Egawa	D26/122
D517,725	S *	3/2006	Egawa	D26/122
7,201,511	B2 *	4/2007	Moriyama	F21K 9/00 257/668
D581,120	S *	11/2008	Sofy	D32/57
7,587,776	B2 *	9/2009	Poulos	A61G 7/05776 5/713
7,638,808	B2 *	12/2009	Owen	H01L 25/0753 257/100
7,683,391	B2 *	3/2010	Wojnarowski	H01L 33/08 257/88
D615,505	S *	5/2010	Butterworth	D13/180
D616,384	S *	5/2010	Chan	D13/180
7,710,031	B2 *	5/2010	Kashiwagi	G02B 3/0031 313/504
D622,676	S *	8/2010	Yasuoka	D13/180
7,888,689	B2 *	2/2011	Kim	H01L 33/486 257/692
D646,015	S *	9/2011	Chiang	D26/122
D646,234	S *	10/2011	Yao	D13/180
D653,893	S *	2/2012	Huss	D6/582
D662,068	S *	6/2012	Yao	D13/180
D670,010	S *	10/2012	Lin	D13/180
D689,031	S *	9/2013	Donofrio	D13/180
D705,957	S *	5/2014	Lin	D13/180
D706,058	S *	6/2014	Robbins, III	D6/582
8,829,784	B2 *	9/2014	Inoue	G02B 5/0231 257/40
8,866,765	B2 *	10/2014	Wang	G06F 3/0421 345/173
8,907,364	B2 *	12/2014	Bierhuizen	H01L 33/486 257/98
D730,848	S *	6/2015	Lin	D13/180
D738,832	S *	9/2015	Hussell	D13/180
2003/0086030	A1 *	5/2003	Taniguchi	G02B 6/005 349/61
2005/0157500	A1 *	7/2005	Chen	F21V 29/004 362/294
2006/0033423	A1 *	2/2006	Nishimura	G09F 13/20 313/501
2006/0087866	A1 *	4/2006	Ng	G02F 1/133603 362/612
2007/0262340	A1 *	11/2007	Sumi	H01L 25/0753 257/100
2008/0067527	A1 *	3/2008	Daniels	F21K 9/00 257/88
2009/0147498	A1 *	6/2009	Park	H01L 33/486 362/84
2009/0284951	A1 *	11/2009	Muschaweck	G02B 27/0927 362/97.1
2013/0128581	A1 *	5/2013	Hsu	F21V 19/0015 362/249.02
2014/0048828	A1 *	2/2014	Yang	H01L 33/08 257/89
2015/0062915	A1 *	7/2015	Shen et al.	
2015/0204525	A1 *	7/2015	Shen	H01L 33/62 362/231

* cited by examiner

Fig. 1

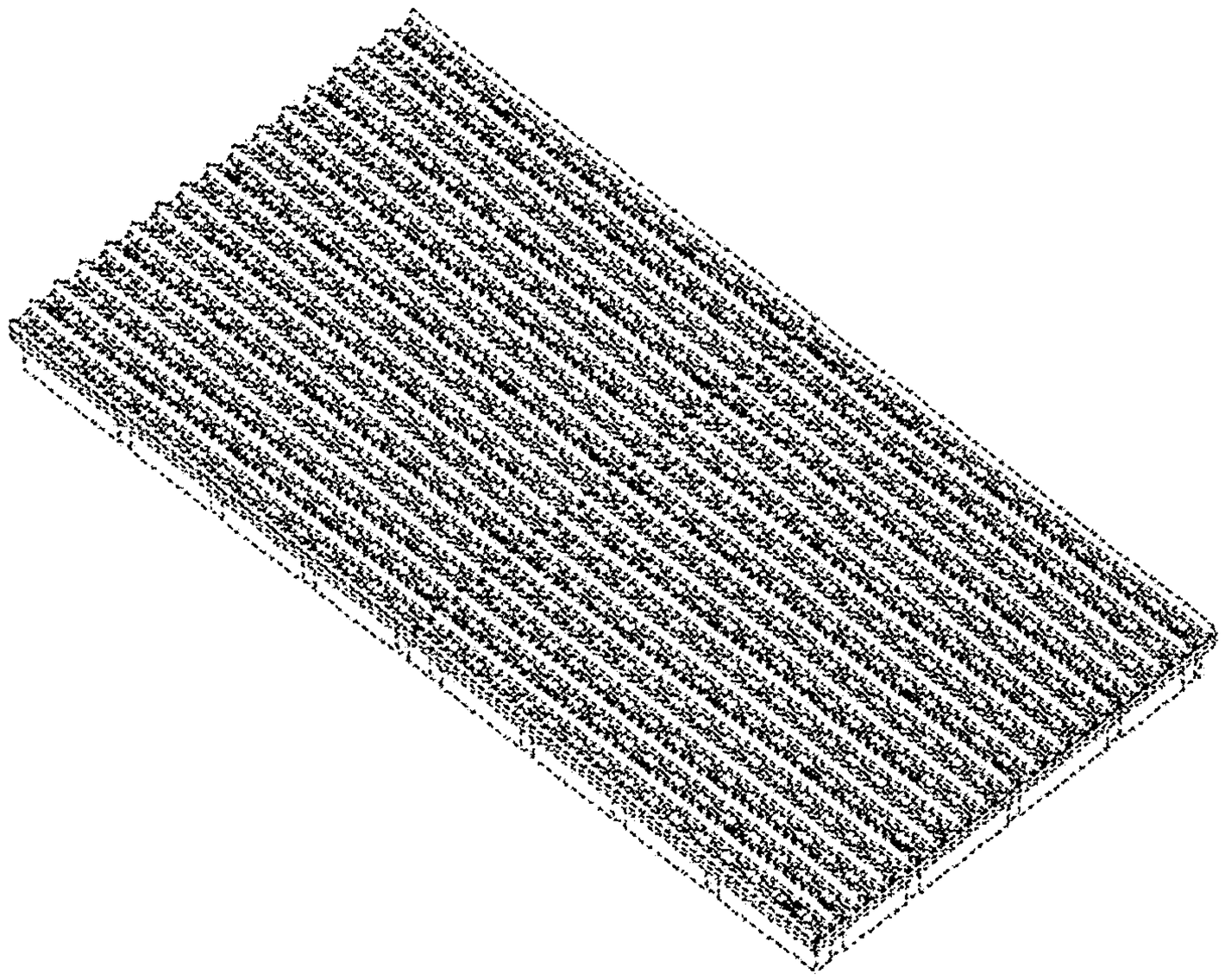


Fig. 2

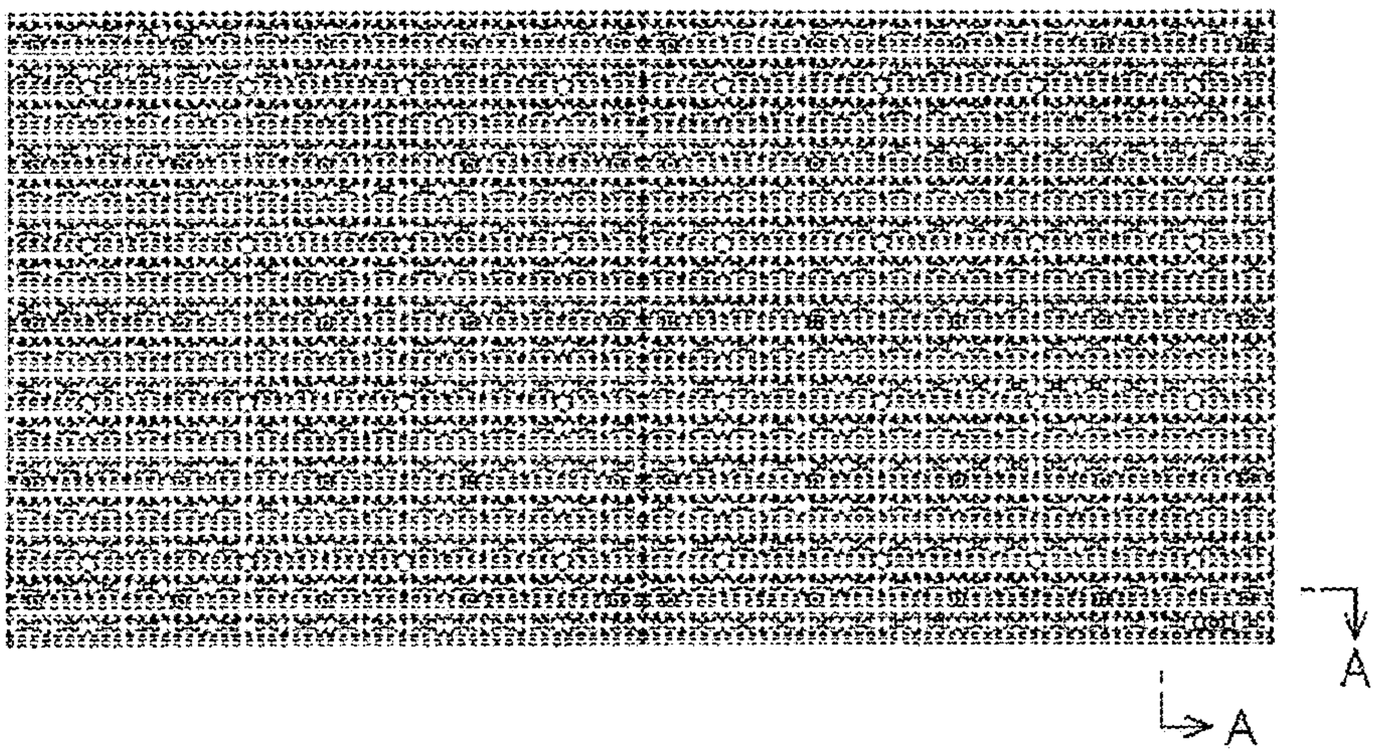


Fig. 3

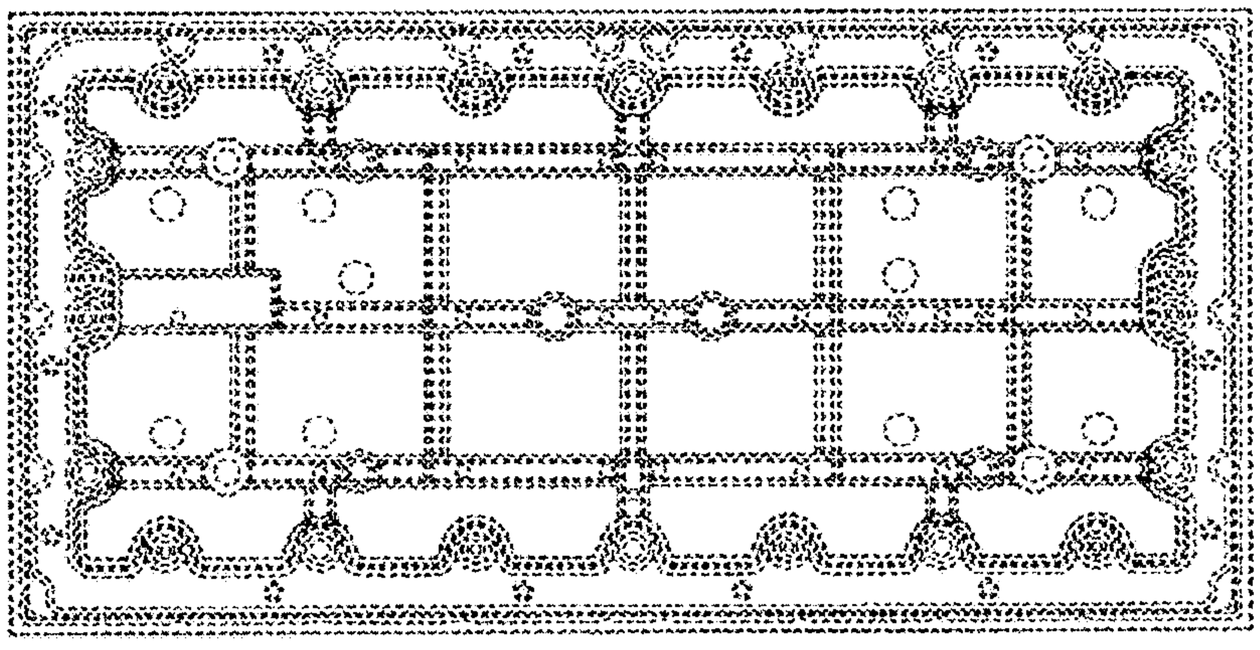


Fig. 4

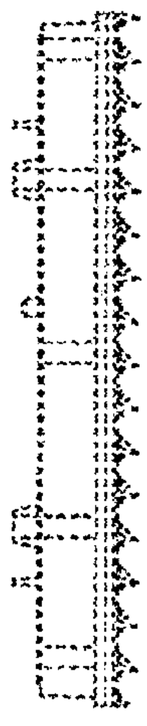


Fig. 5

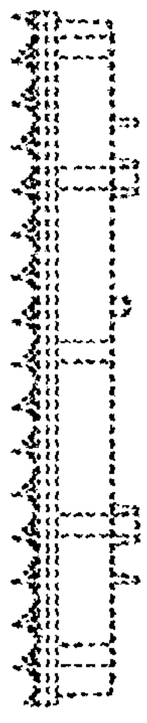


Fig. 6

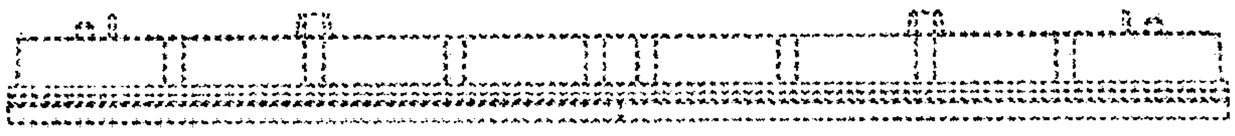


Fig. 7

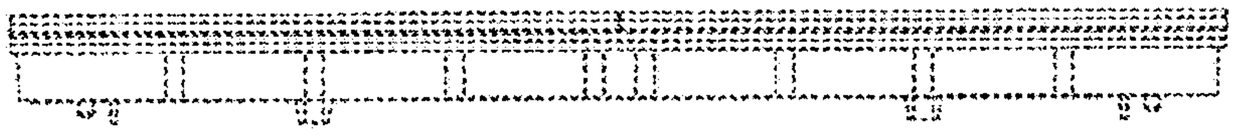


Fig. 8

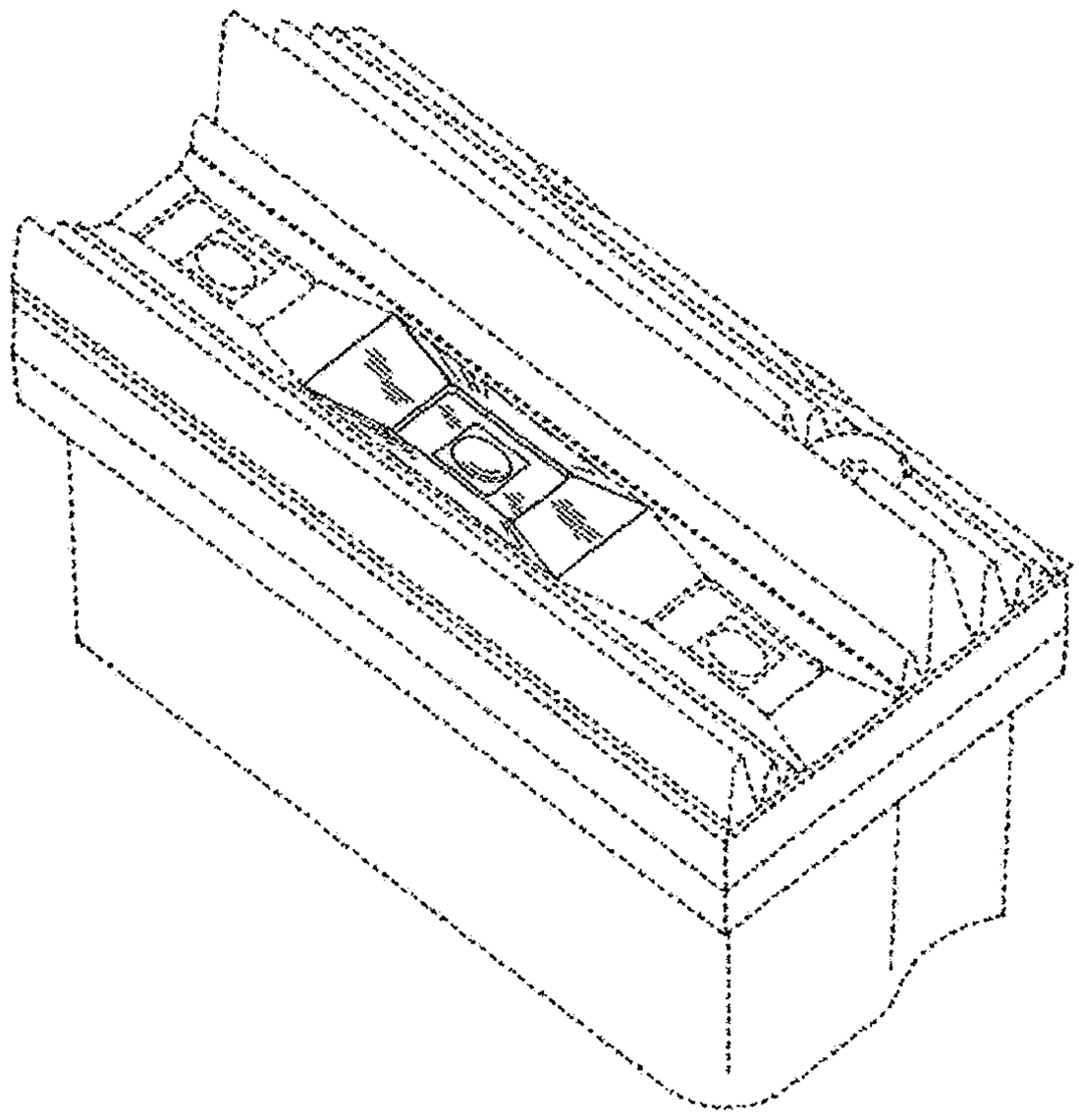


Fig. 9

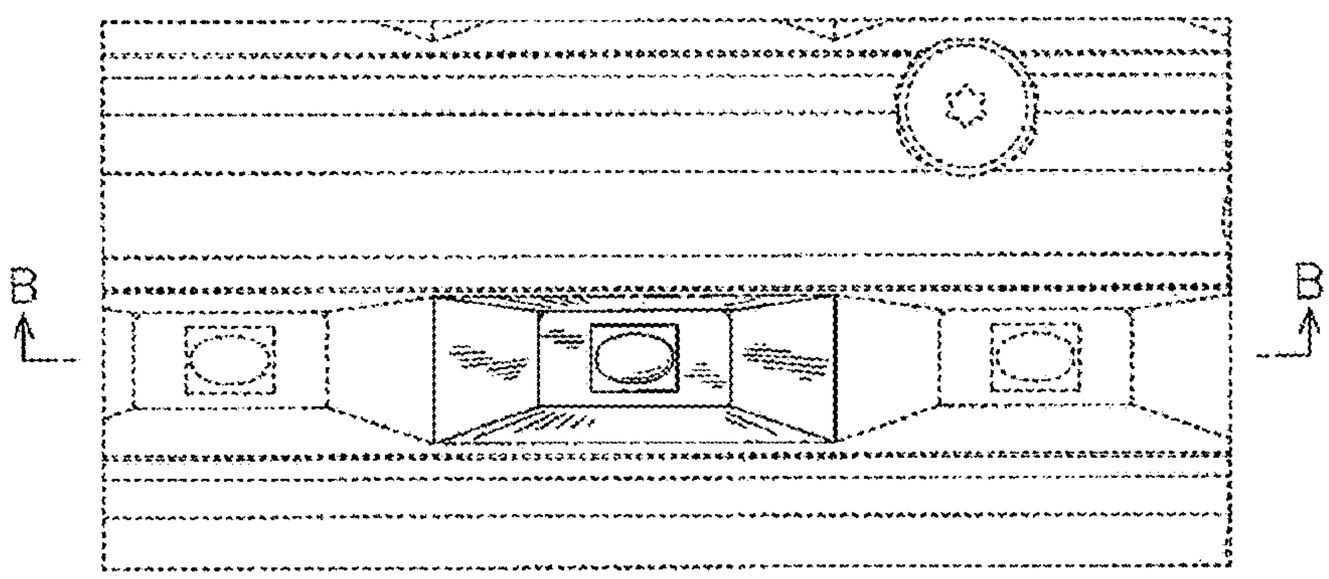


Fig.10

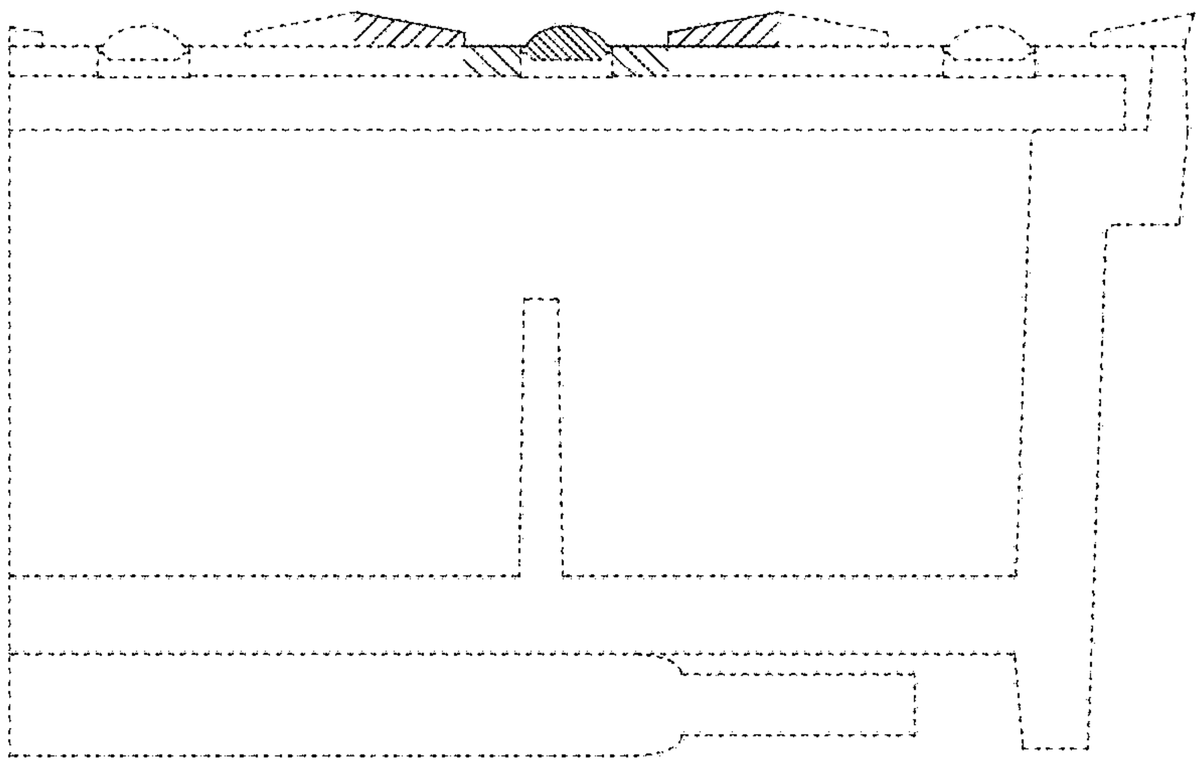


Fig.11

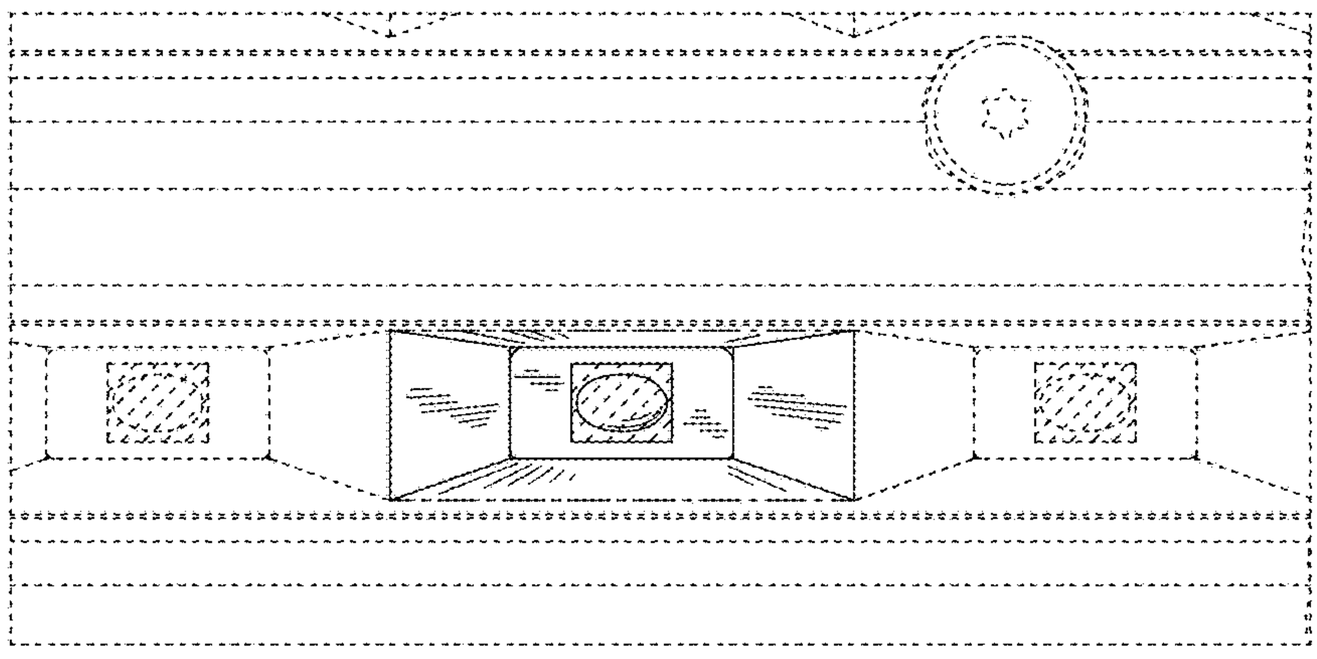


Fig. 12

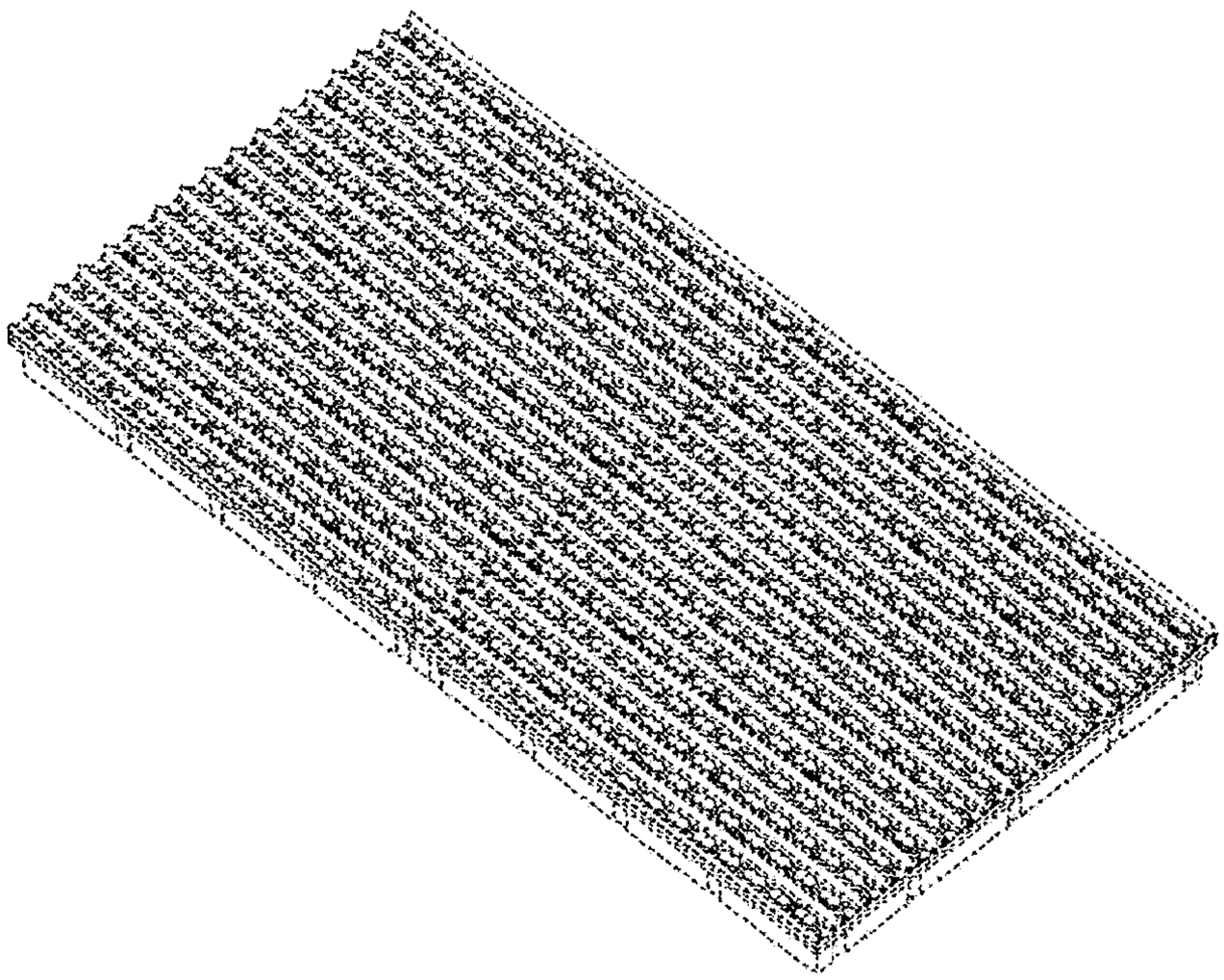


Fig. 13

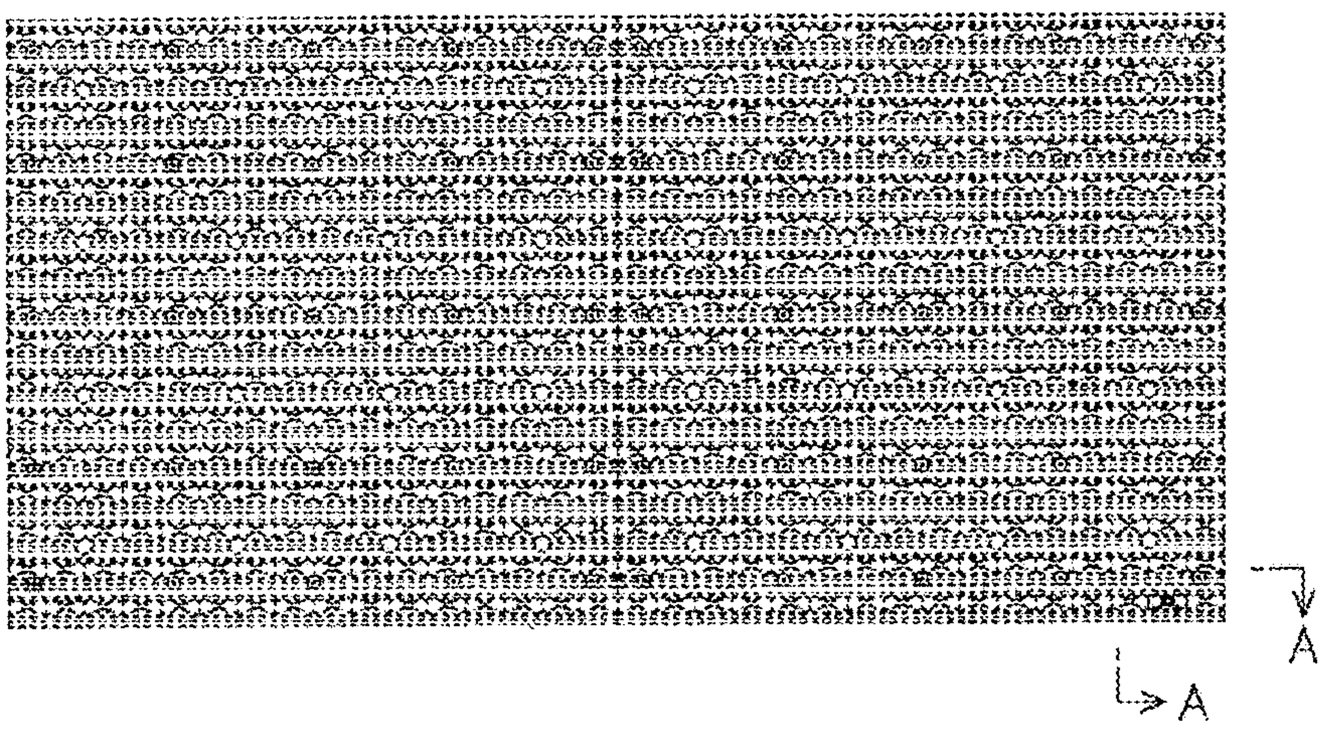


Fig. 14

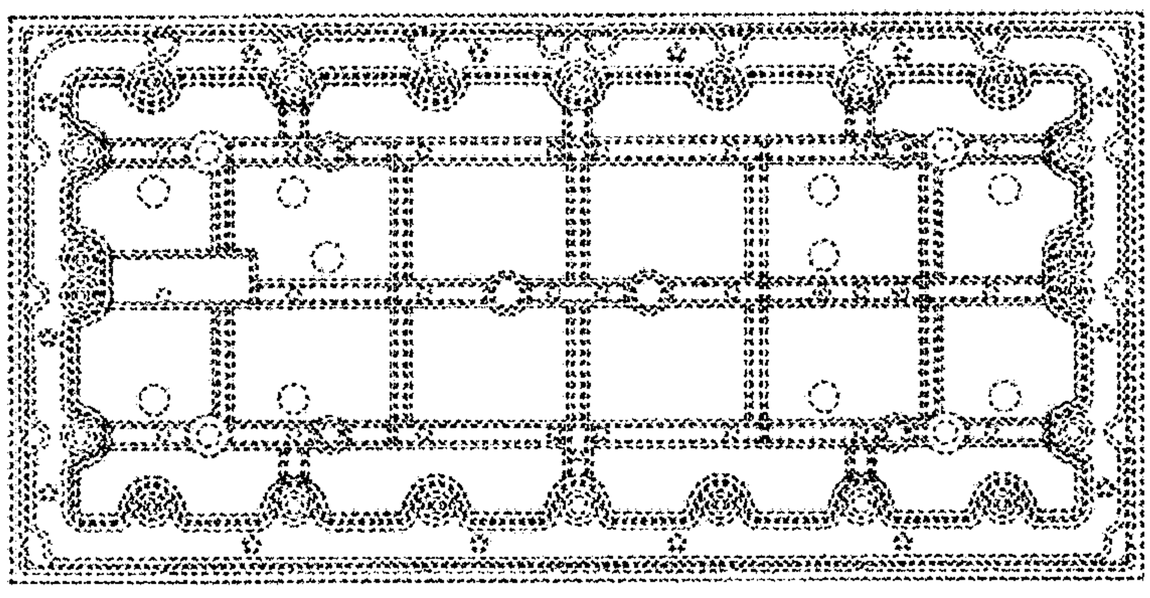


Fig. 15

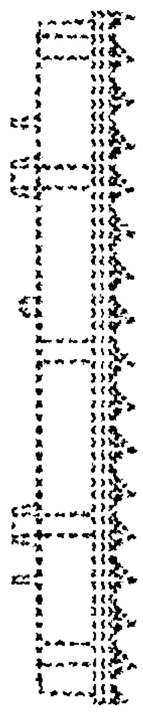


Fig. 16

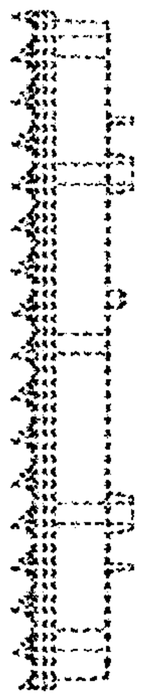


Fig. 17

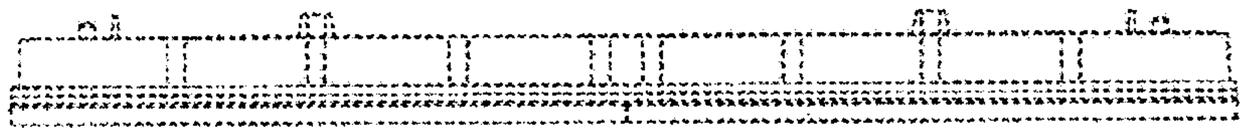


Fig. 18

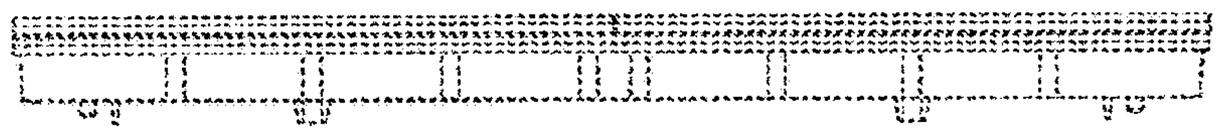


Fig. 19

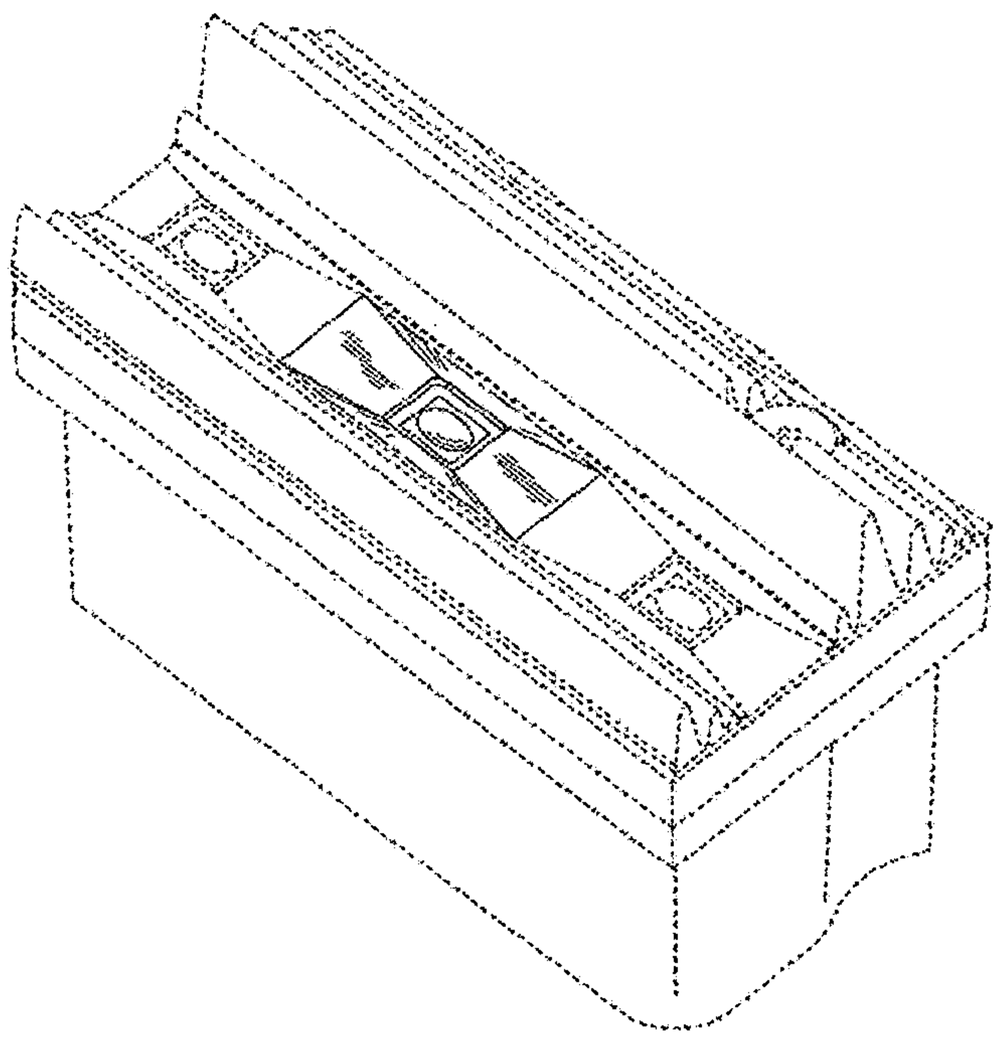


Fig. 20

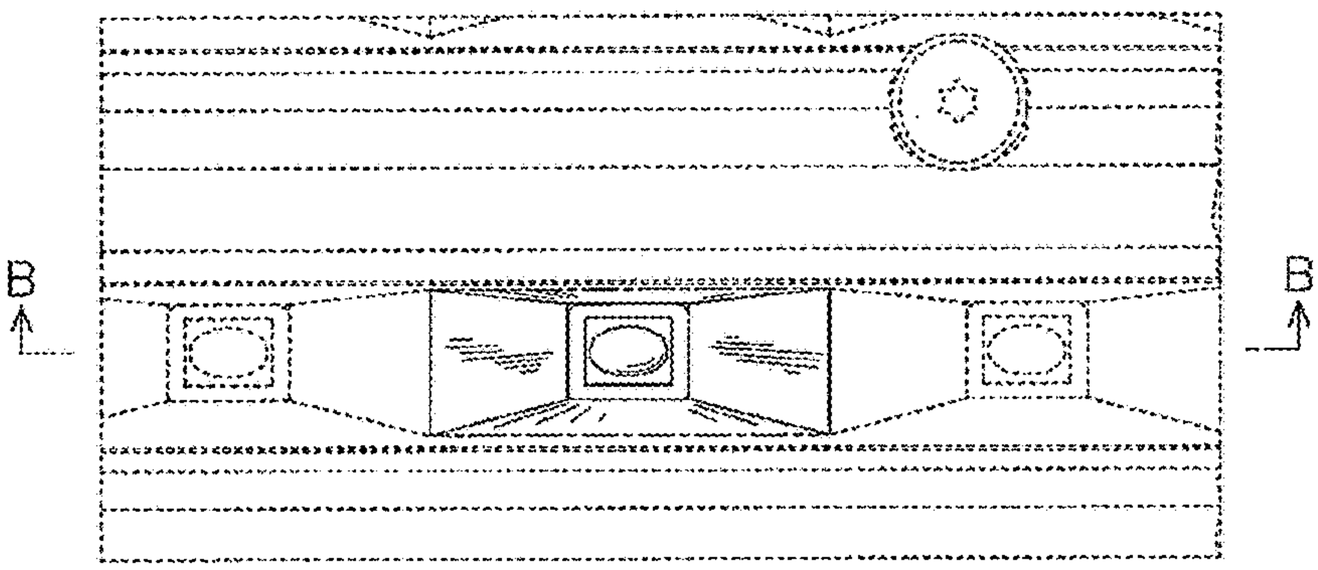


Fig.21

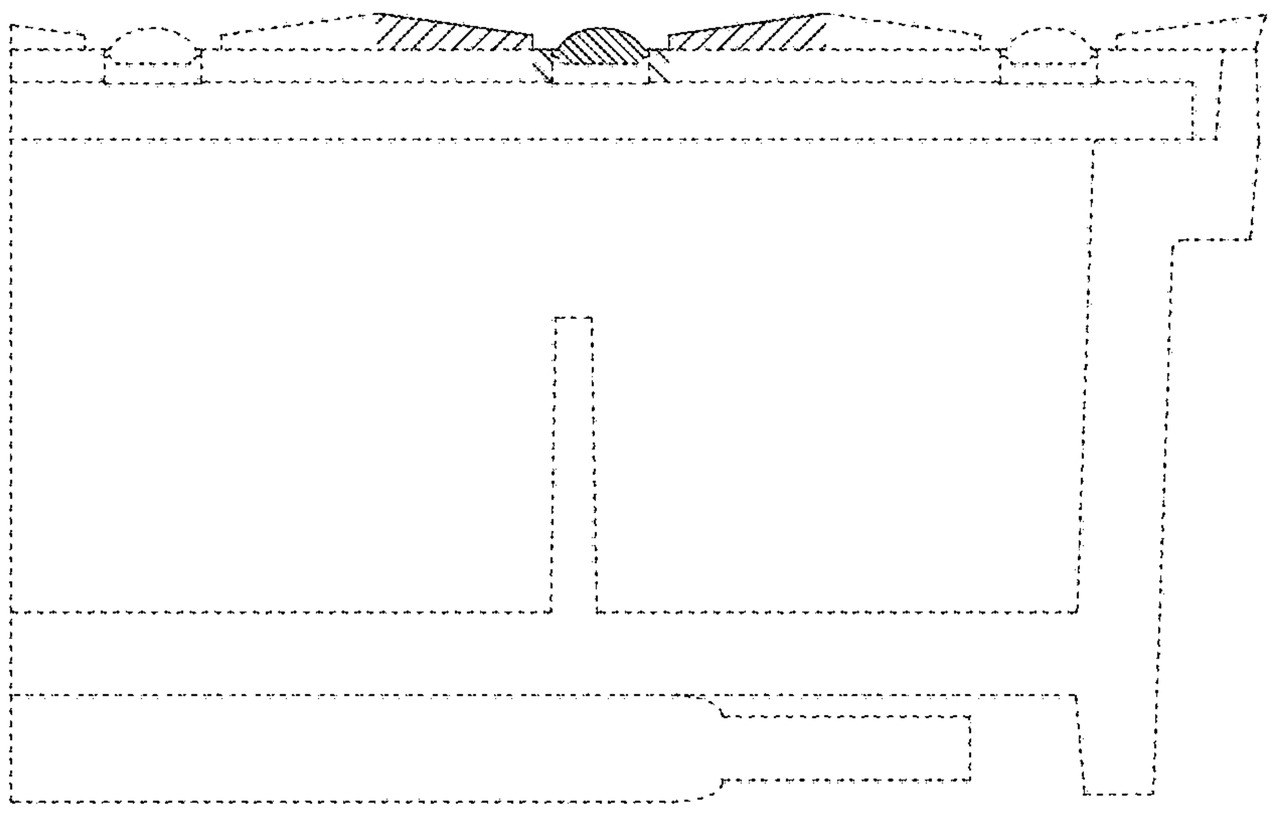


Fig.22