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

(10) **Patent No.:** **US D815,373 S**
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(54) **DIGITAL ULTRASONIC CLEANER**

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

(21) Appl. No.: **29/566,902**

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(51) **LOC (11) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/1**

(58) **Field of Classification Search**
USPC D32/1, 15, 16; D28/9, 73-78; D24/107,
D24/117, 167, 186, 217; 451/64, 65;
134/84, 85, 6, 11, 137, 159, 184
CPC A47L 11/125; A47L 15/0086; A47L
15/0076; A47L 15/13
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,640,295	A	*	2/1972	Peterson	.....	B08B 3/12 134/1
D261,423	S	*	10/1981	Geissler	.....	D24/217
D307,653	S	*	5/1990	Weirsmann	.....	D32/1
D315,039	S	*	2/1991	Wortham	.....	D32/1
D322,337	S	*	12/1991	Padgett	.....	D32/1
D593,262	S	*	5/2009	Gong	.....	D24/217
D633,663	S	*	3/2011	Choi	.....	D32/1
D678,634	S	*	3/2013	Liao	.....	D32/1
D685,540	S	*	7/2013	Yao	.....	D32/1
D688,839	S	*	8/2013	Helm	.....	D32/1
D704,349	S	*	5/2014	Williams	.....	D24/217

D748,872	S	*	2/2016	Yao	.....	D32/1
D763,521	S	*	8/2016	Yao	D32/1
D778,004	S	*	1/2017	Yao	D32/1
D778,005	S	*	1/2017	Yao	D32/1

* cited by examiner

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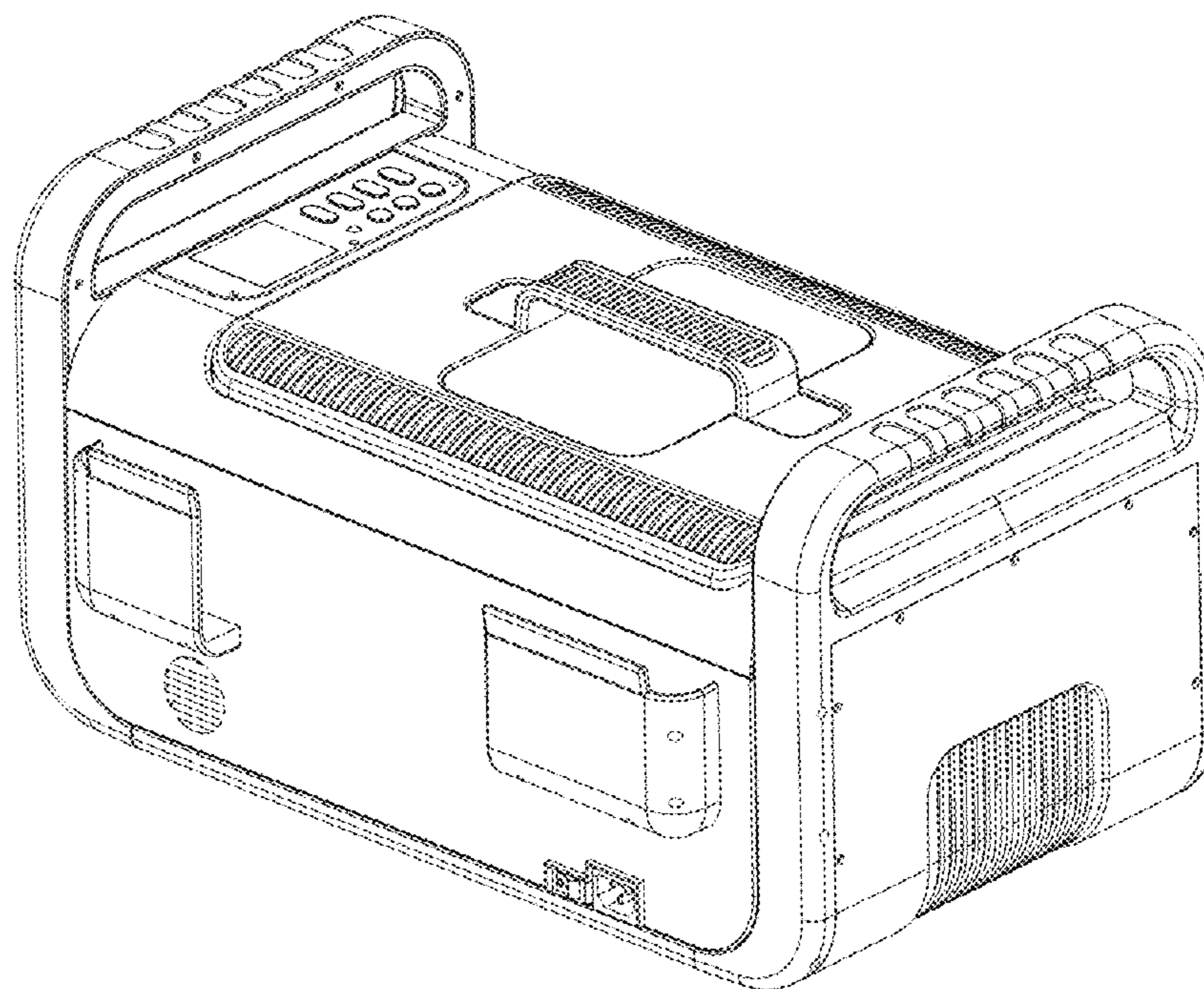
(57) **CLAIM**

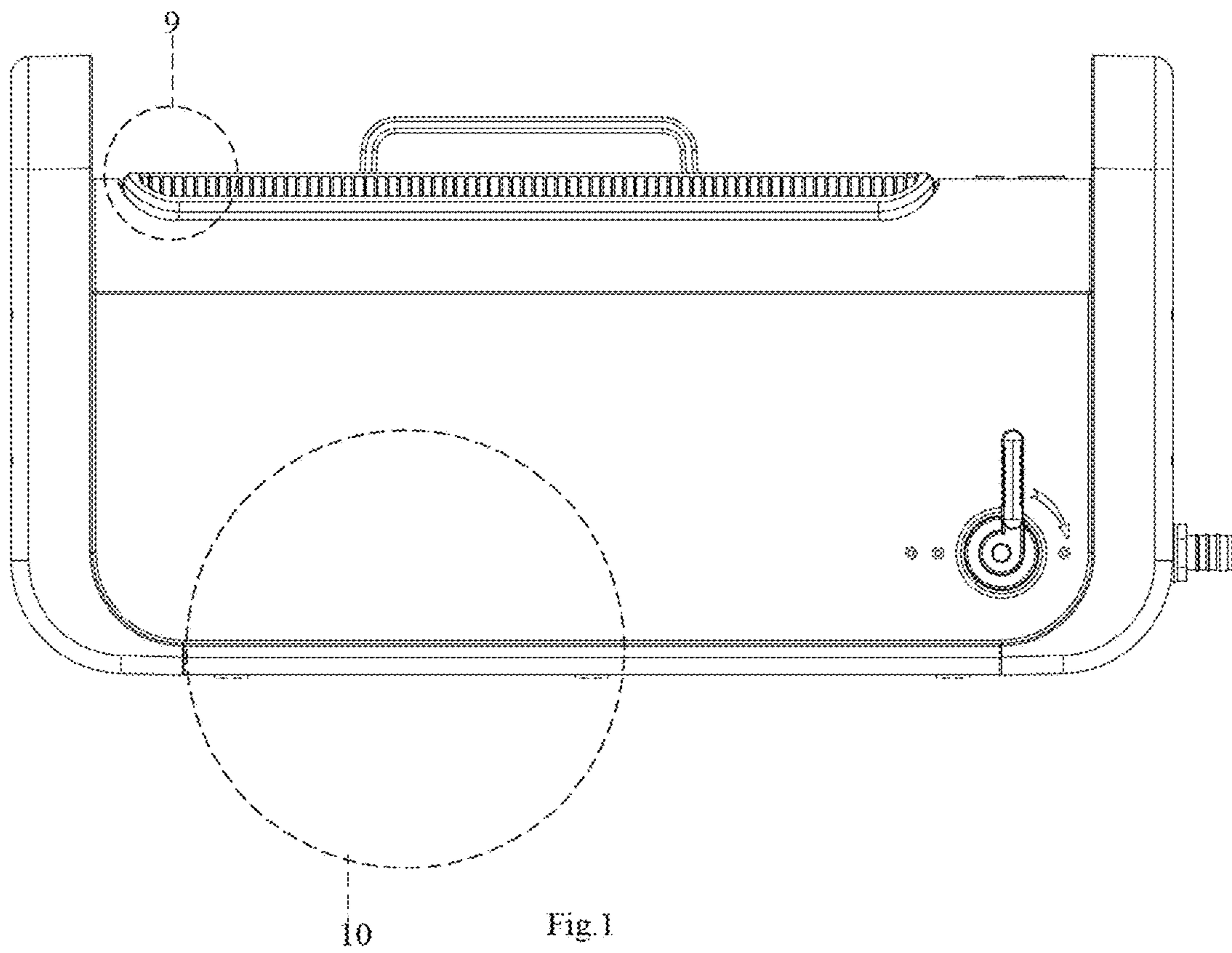
The ornamental design for a digital ultrasonic cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a front view of the digital ultrasonic cleaner.
FIG. 2 is a rear view of the digital ultrasonic cleaner.
FIG. 3 is a left side view of the digital ultrasonic cleaner.
FIG. 4 is a right side view of the digital ultrasonic cleaner.
FIG. 5 is a top view of the digital ultrasonic cleaner.
FIG. 6 is a bottom view of the digital ultrasonic cleaner.
FIG. 7 is a front perspective view of the digital ultrasonic cleaner.
FIG. 8 is a rear perspective view of the digital ultrasonic cleaner.
FIG. 9 is an expanded view of an upper portion of the digital ultrasonic cleaner thereof; and,
FIG. 10 is an expanded view of a lower portion of the digital ultrasonic cleaner thereof.
The broken lines in the drawings depict portions of the digital ultrasonic cleaner that form no part of the claimed design.

1 Claim, 10 Drawing Sheets





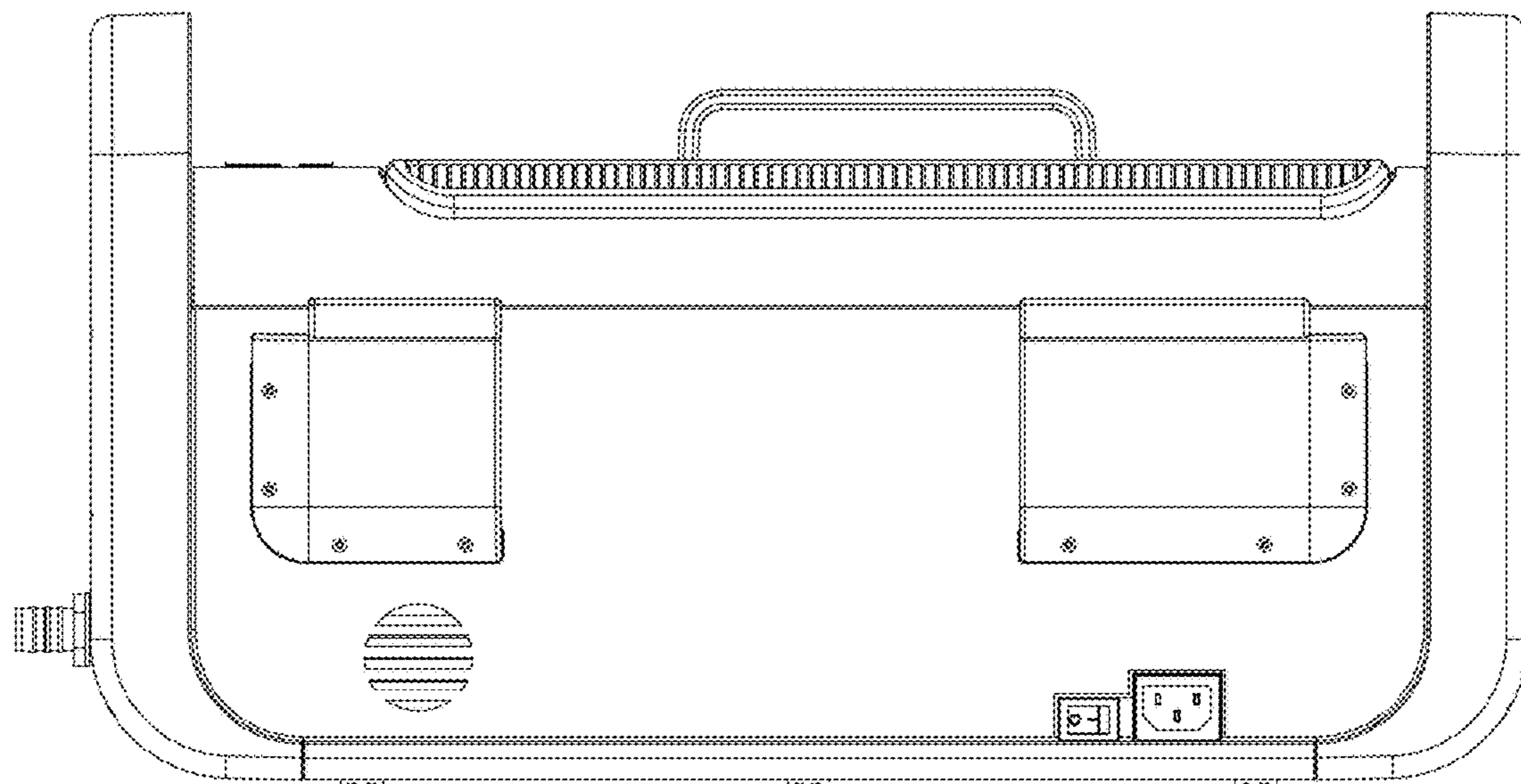


Fig.2

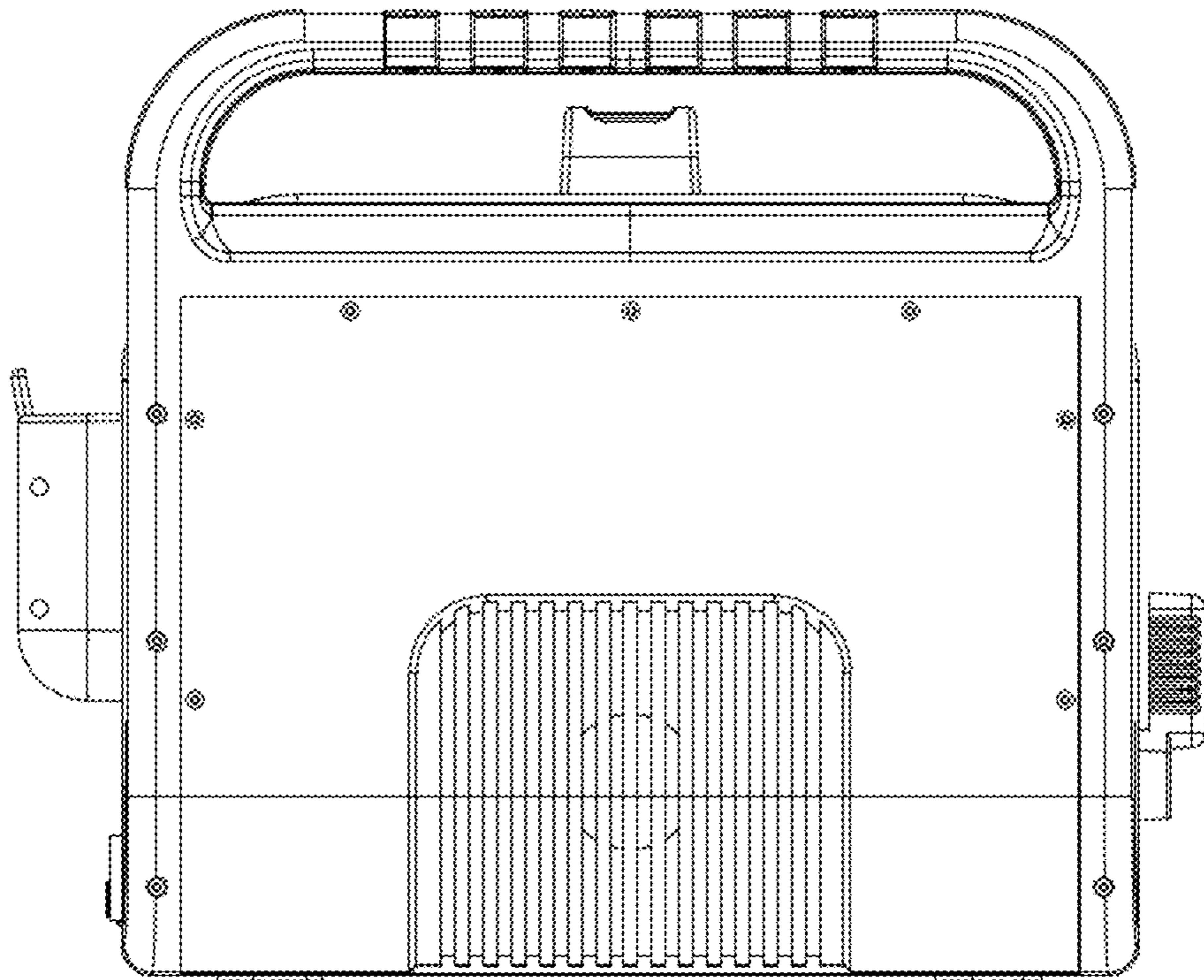


Fig.3

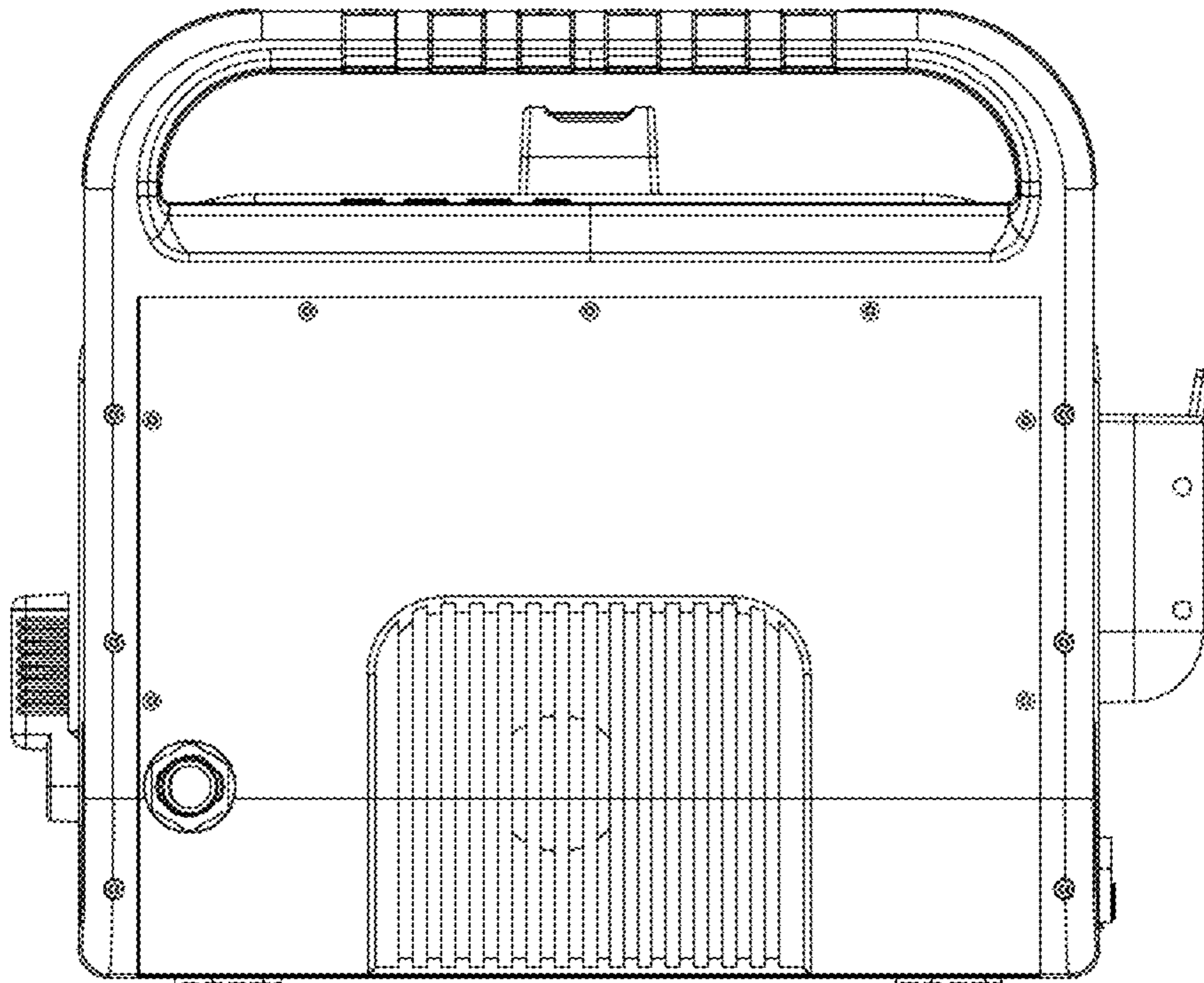


Fig.4

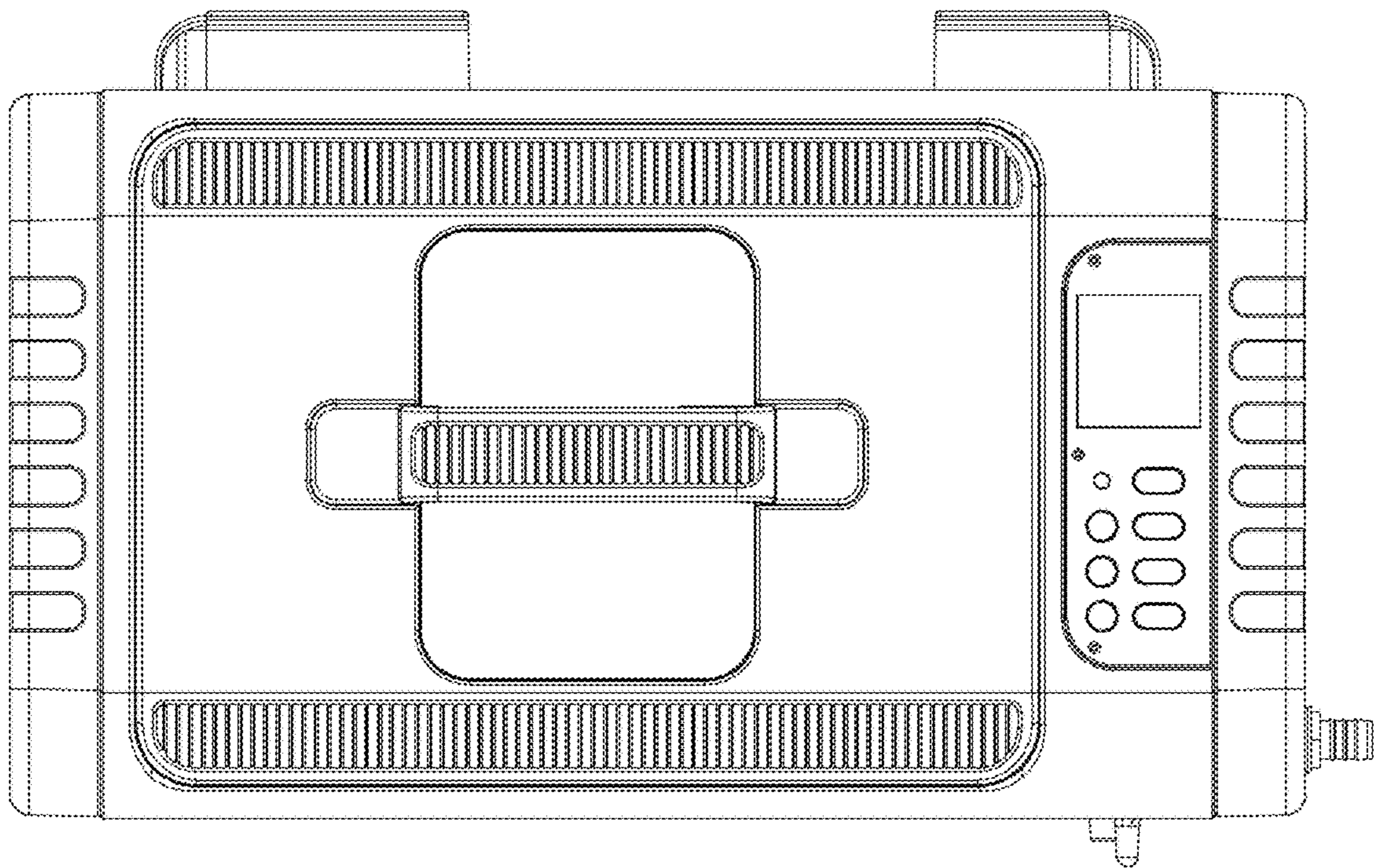


Fig. 5

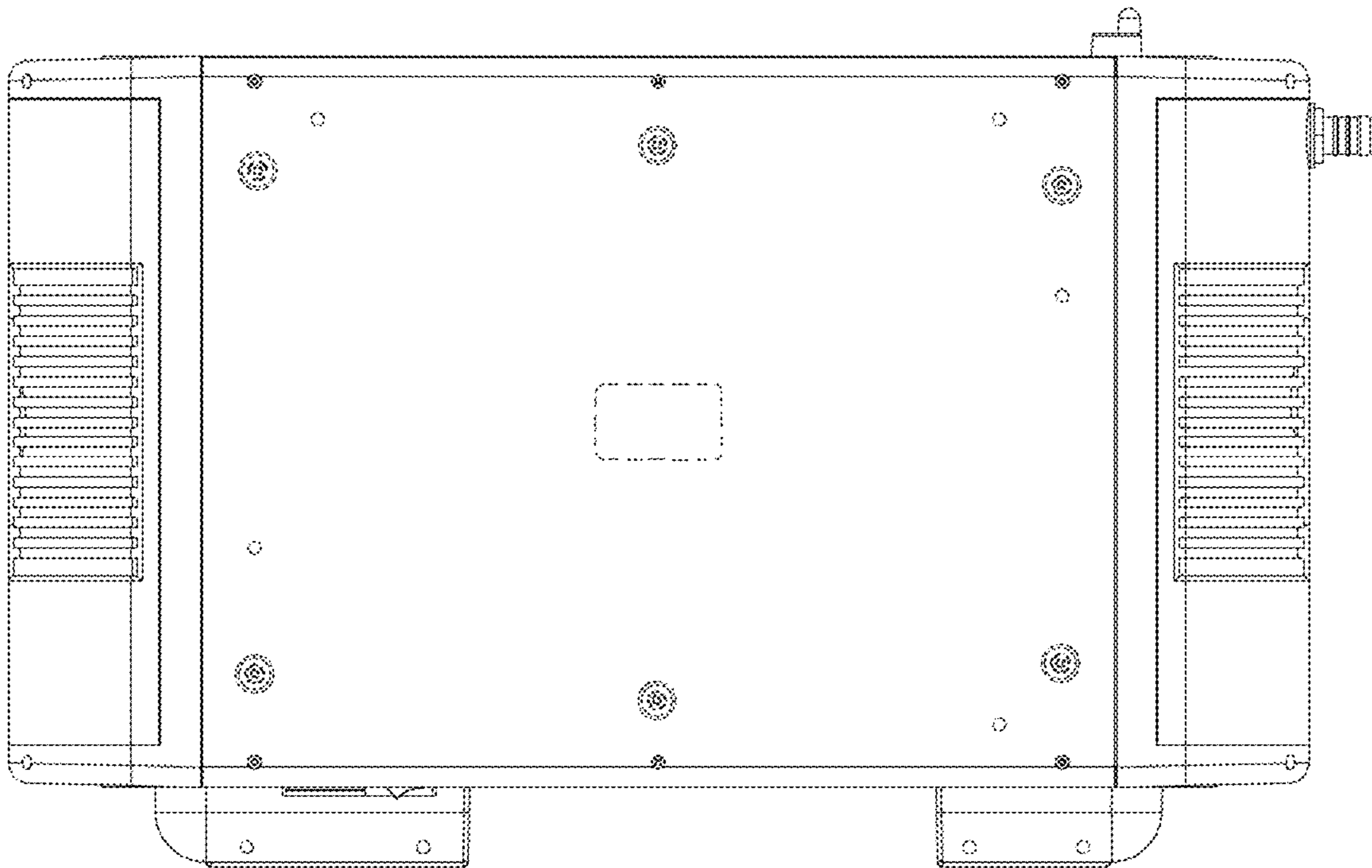


Fig.6

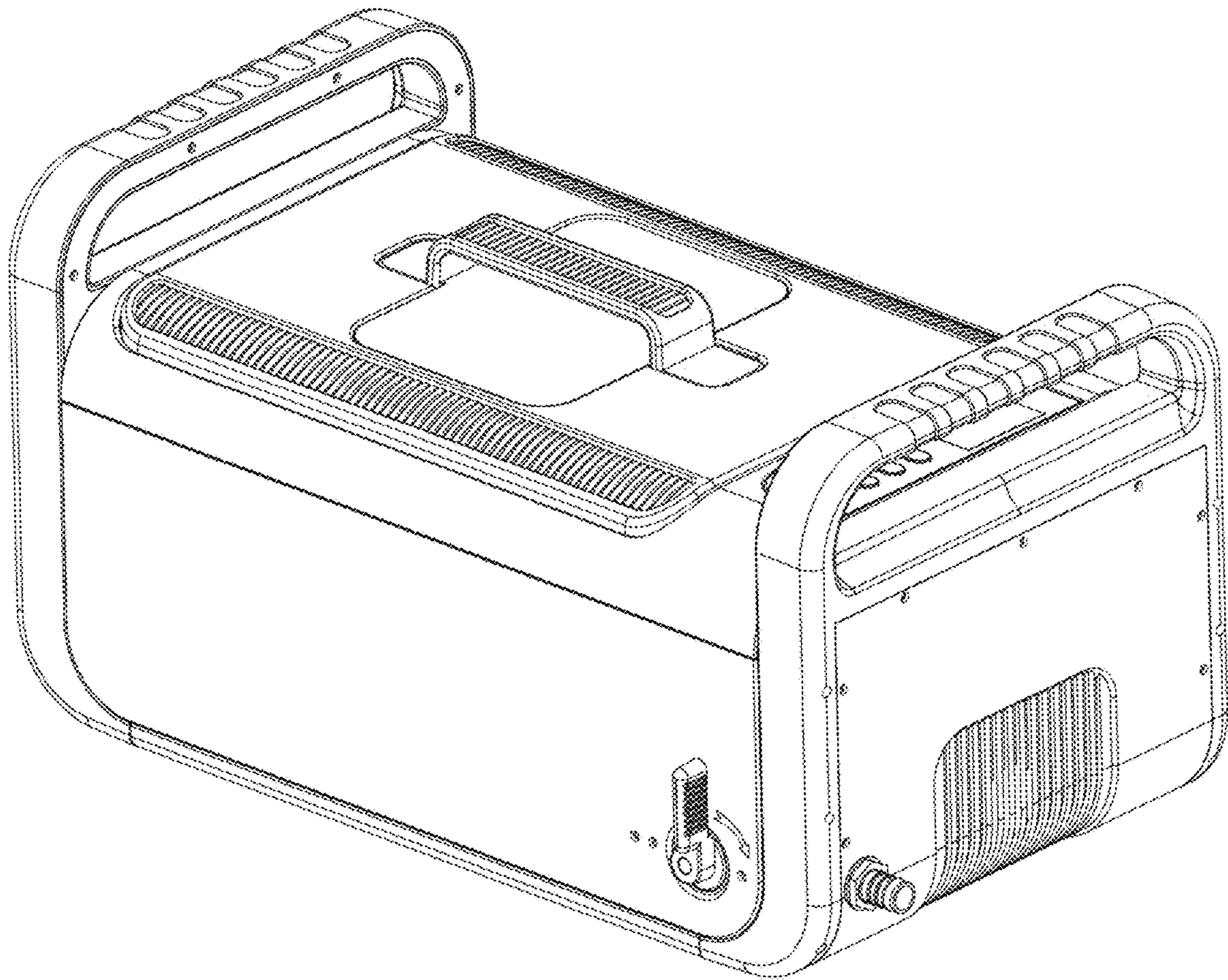


Fig.7

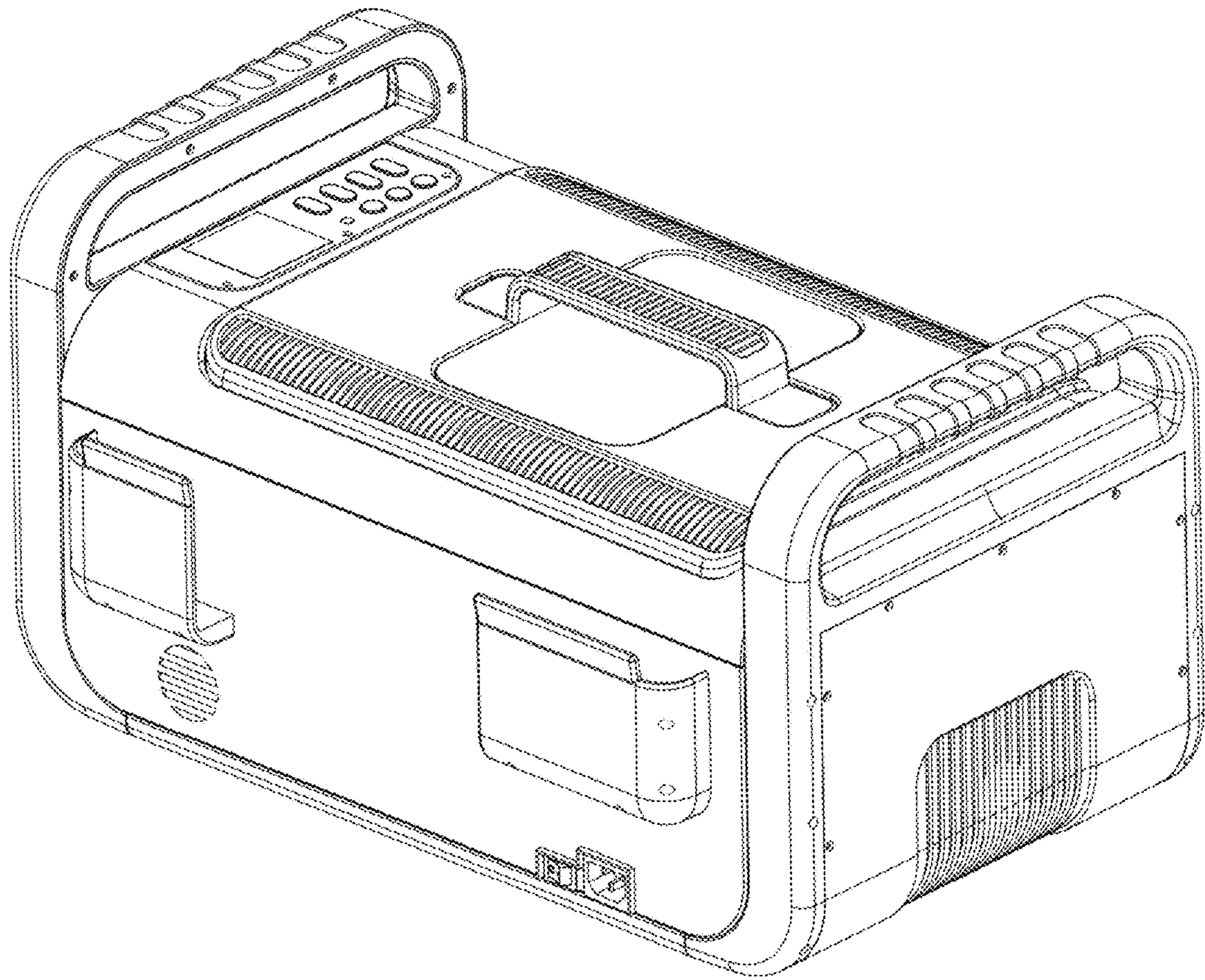


Fig. 8

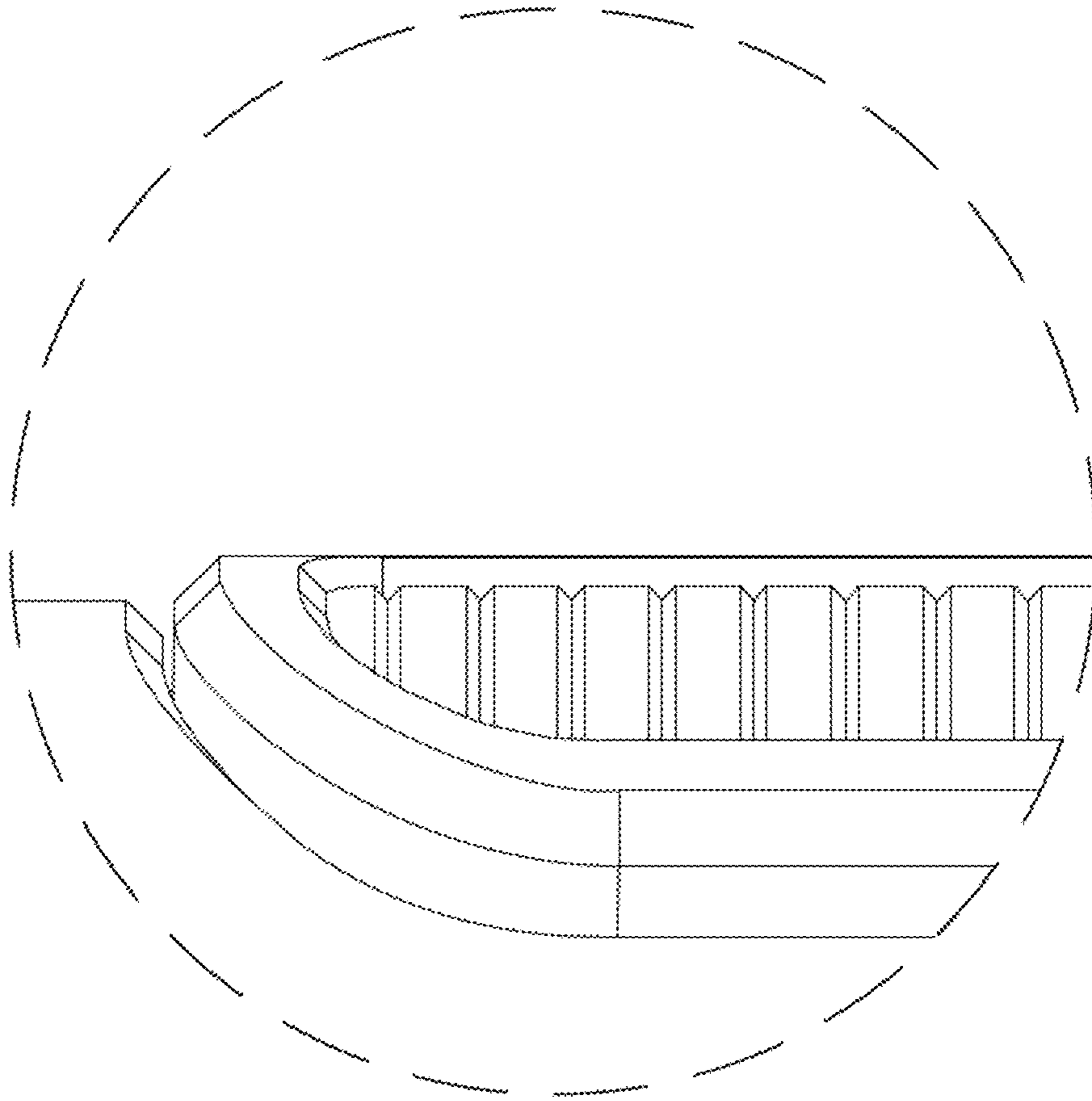


Fig.9

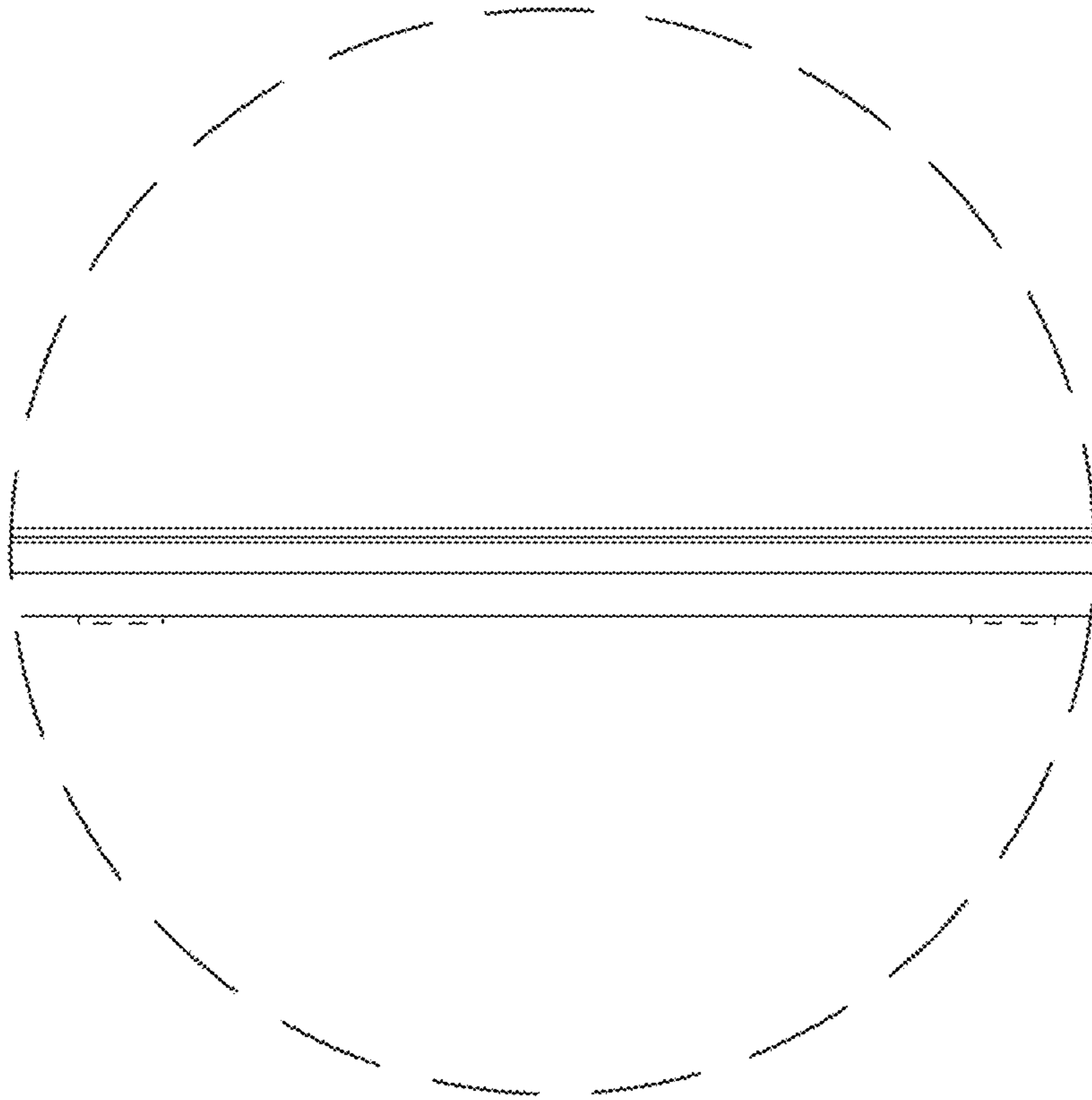


Fig. 10