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

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(54) **COMBINATION BATTERY CHARGER AND DISCHARGER**

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

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(52) **U.S. Cl.**
USPC **D13/108**

(58) **Field of Classification Search**
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D13/119, 199; D14/209.1, 224, 251, 252,
D14/434, 447

CPC H04R 1/1025; H02J 7/342; H02J 50/00
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D712,834 S *	9/2014	Munro	.....	D13/116
D722,960 S *	2/2015	Campbell	.....	D13/108
D741,795 S *	10/2015	Conrad	.....	D13/108
D845,233 S *	4/2019	Zeng	.....	D13/108
D872,692 S *	1/2020	Li	.....	D13/108
D882,510 S *	4/2020	Theis	.....	D13/103
D884,599 S *	5/2020	Hung	.....	D13/103

D890,087 S *	7/2020	Xiao	.....	D13/103
D890,089 S *	7/2020	Yin	.....	D13/107
D897,283 S *	9/2020	Sun	.....	D13/108
2015/0273608 A1 *	10/2015	Rozmarynowski	..	B23K 9/1006 219/133
2020/0227928 A1 *	7/2020	Matsumoto	.....	H02J 7/0045
2020/0343748 A1 *	10/2020	Ho	.....	H02J 7/0045

OTHER PUBLICATIONS

“Honda’s Mobile Power Pack”. Found online Jan. 4, 2021 at insideevs.com. Reference dated Feb. 6, 2018. Retrieved from <https://insideevs.com/news/335860/hondas-mobile-power-pack-one-battery-powers-everything-from-atv-to-tiny-scooter/>. (Year: 2018).*

(Continued)

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(57) **CLAIM**

The ornamental design for a combination battery charger and discharger, as shown and described.

DESCRIPTION

FIG. 1 is a top, front left side perspective view of a combination battery charger and discharger, showing my new design;

FIG. 2 is a top, rear left side perspective view thereof;

FIG. 3 is a front elevation view thereof;

FIG. 4 is a rear elevation view thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof;

FIG. 7 is a right side elevation view thereof; and,

FIG. 8 is a left side elevation view thereof.

The broken lines in the drawings depict portions of the combination battery charger and discharger that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

OTHER PUBLICATIONS

“SUAOKI Portable Generator Power Station”. Found online Jan. 21, 2021 at amazon.com. Reference dated Oct. 18, 2016. Retrieved from <https://www.amazon.com/Portable-Generator-Lithium-Inverter-Outputs/dp/B01M260BAN> (Year: 2016).*

“Mobisun International Universal Laptop Powerbank”. Found online Jan. 4, 2021 at mobisun.com. Reference dated May 24, 2019. Retrieved from <https://www.mobisun.com/universal-laptop-powerbank-mobisun/>. (Year: 2019).*

* cited by examiner



Fig.1



Fig.2

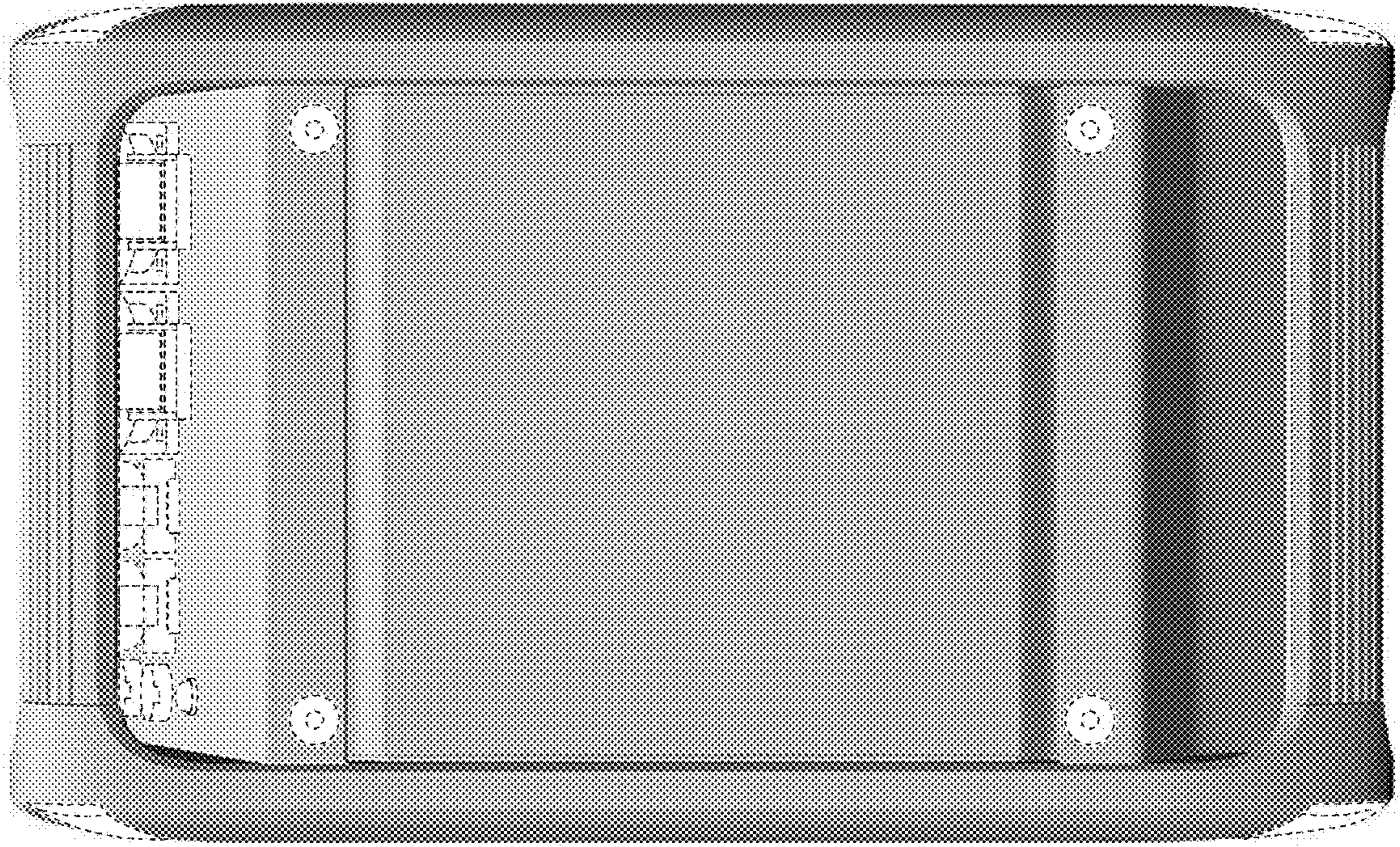


Fig. 3

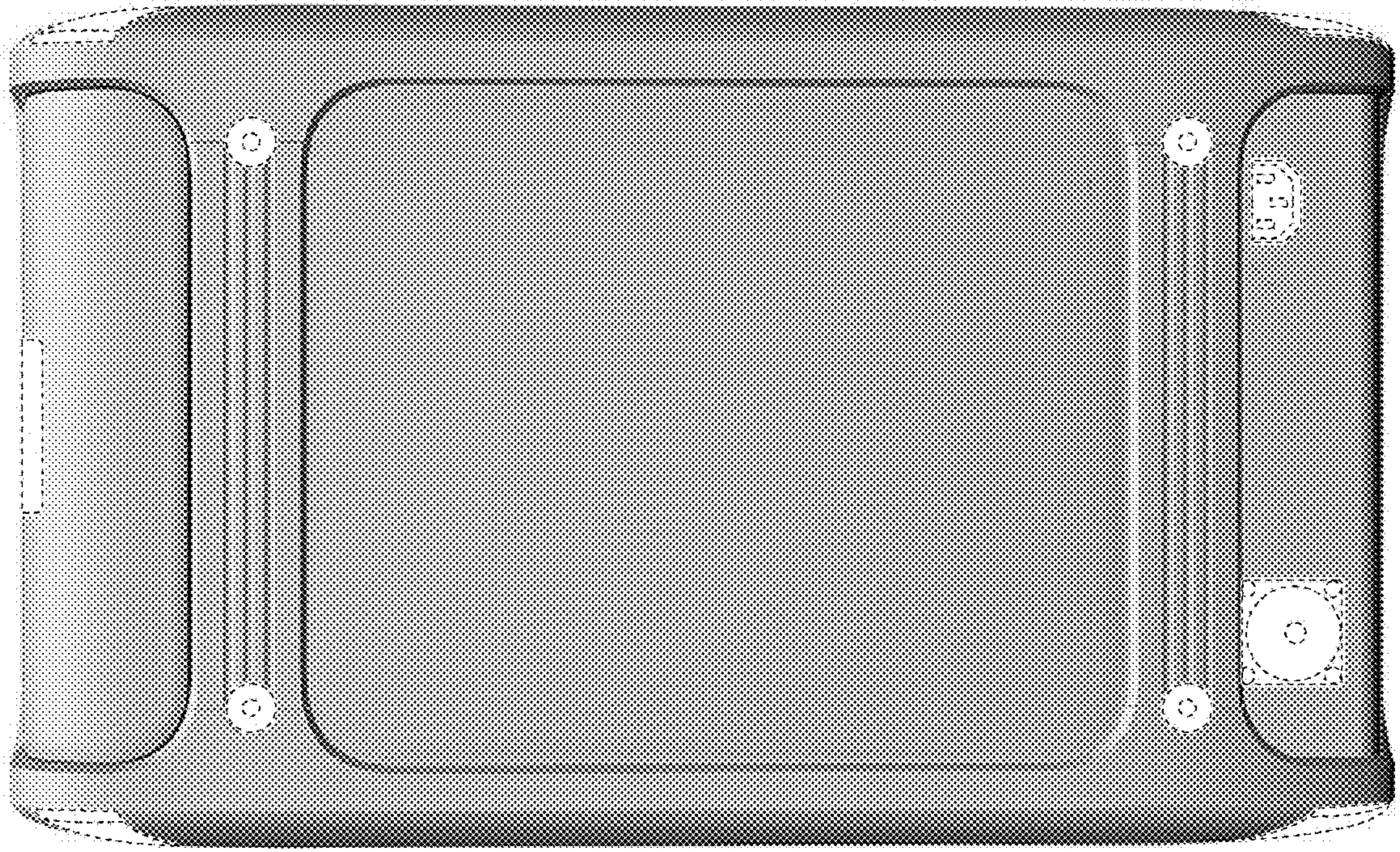


Fig.4

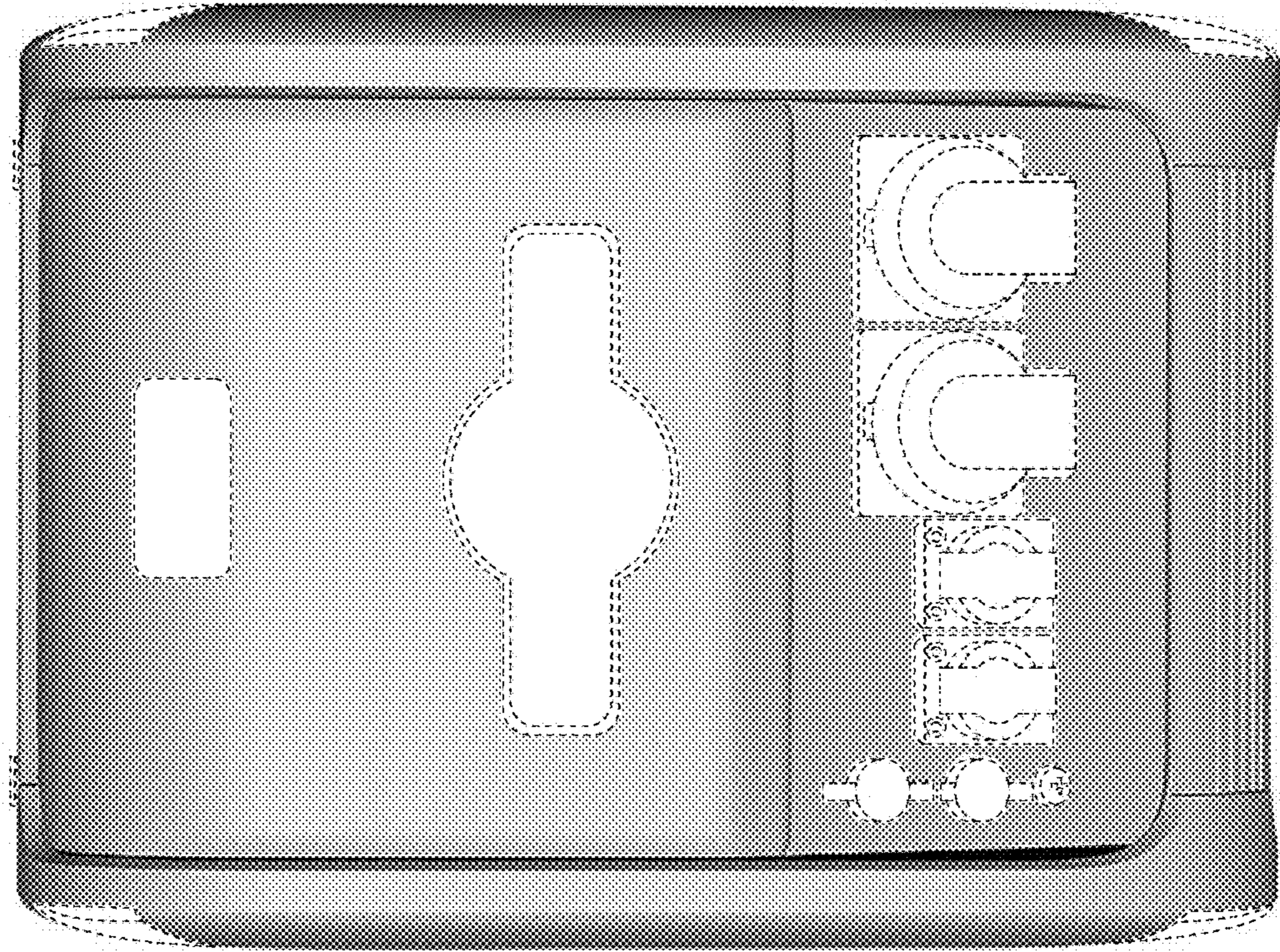


Fig. 5

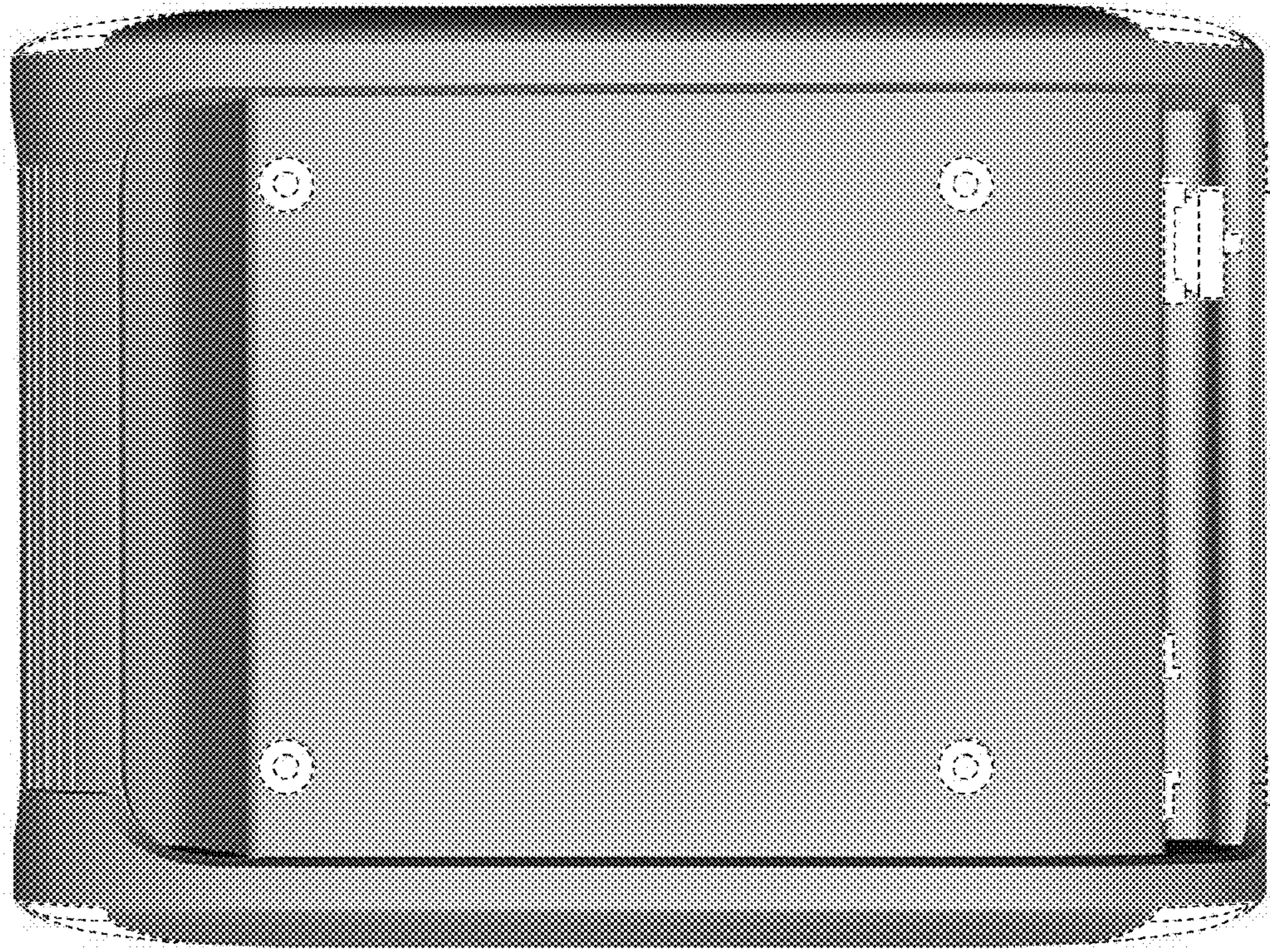


Fig. 6

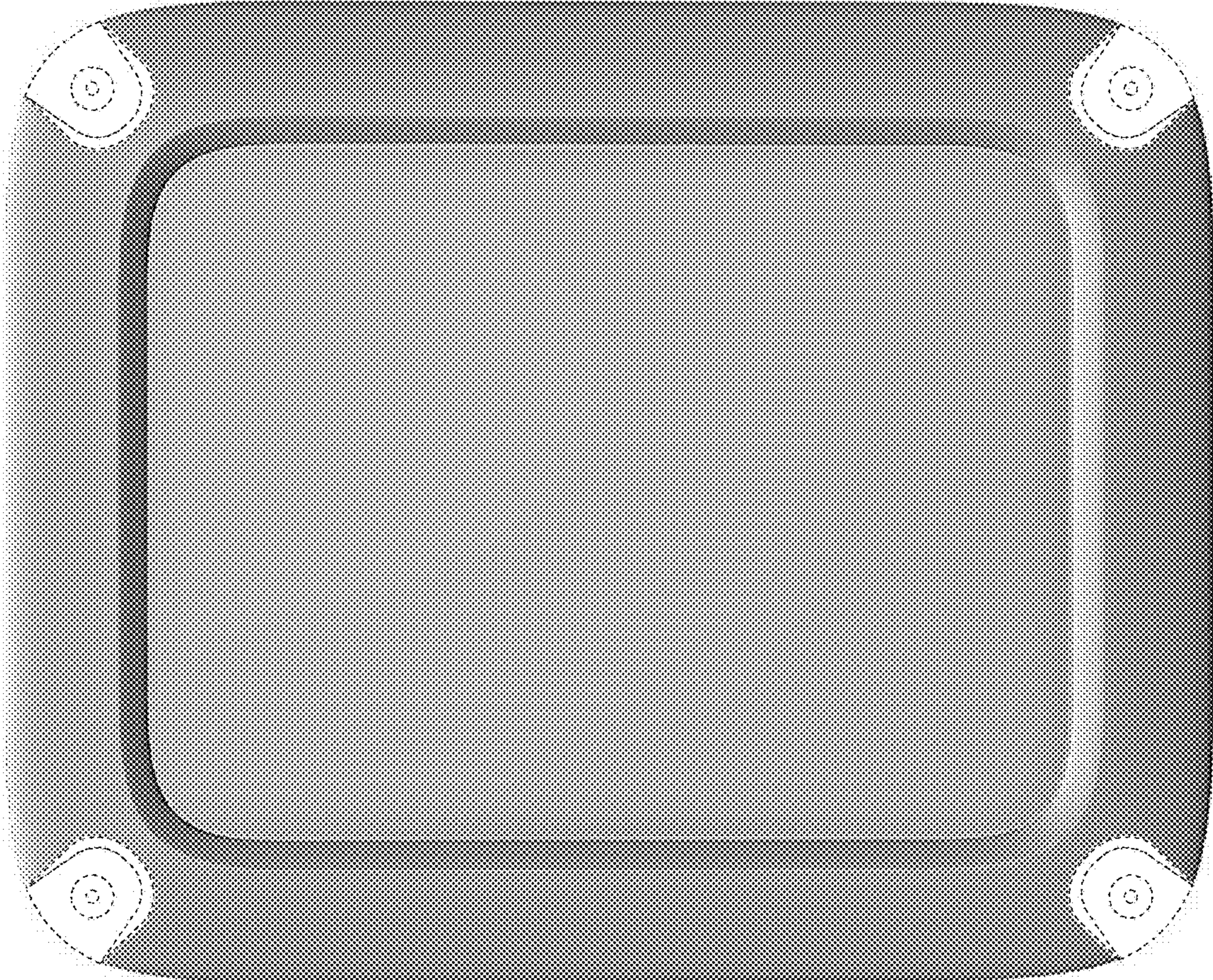


Fig. 7

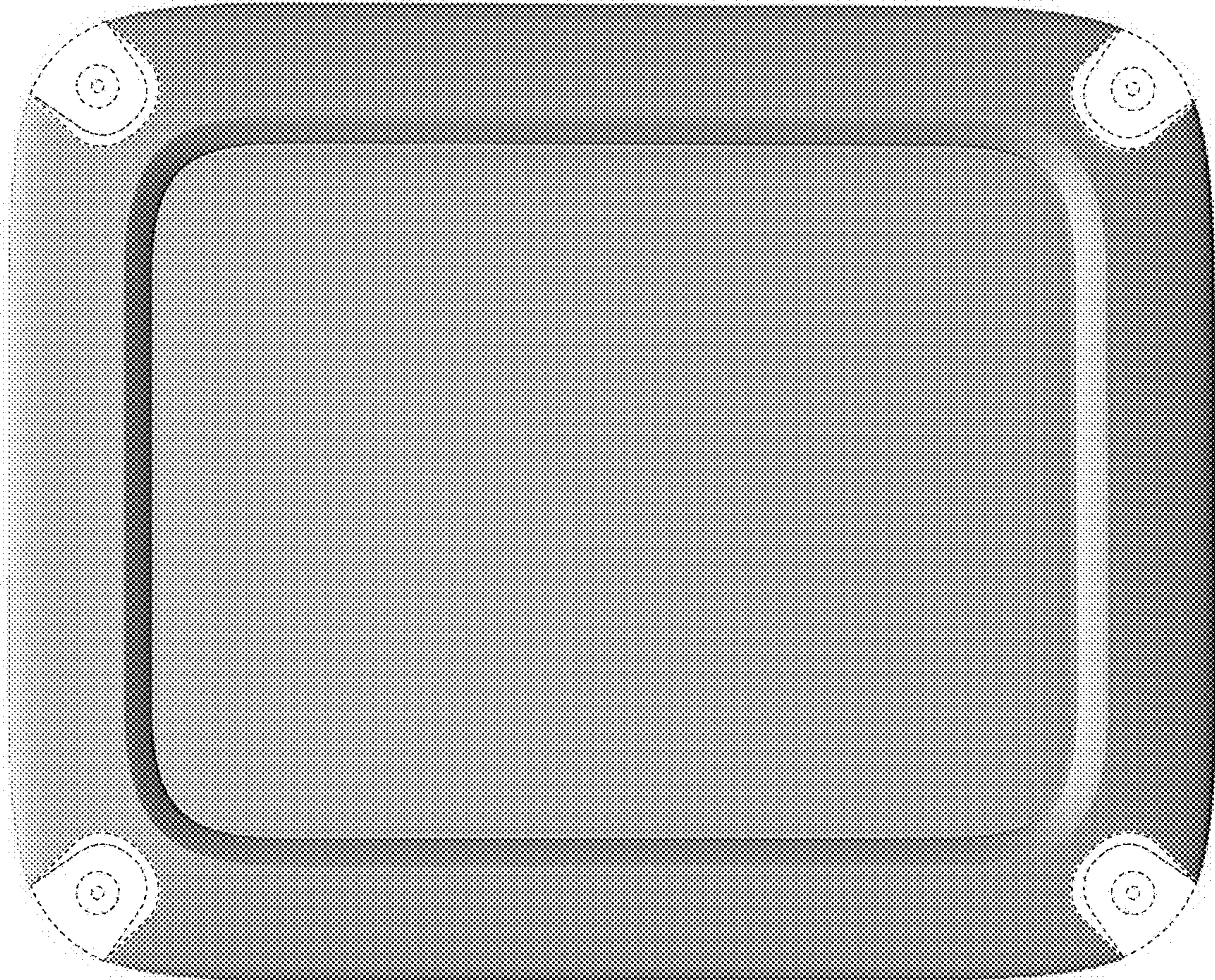


Fig. 8