



US00D888246S

(12) **United States Design Patent**  
**Kim et al.**

(10) **Patent No.:** **US D888,246 S**  
(45) **Date of Patent:** **\*\* Jun. 23, 2020**

(54) **DIGITAL X-RAY DETECTOR**  
(71) Applicants: **Rayence Co., Ltd.**, Gyeonggi-do (KR);  
**VATECH EWOO Holdings Co., Ltd.**,  
Gyeonggi-do (KR)  
(72) Inventors: **Keum Chul Kim**, Gyeonggi-do (KR);  
**Nam Hyeong Kim**, Gyeonggi-do (KR);  
**Yong Kyoung Jeon**, Gyeonggi-do (KR)  
(73) Assignees: **Rayence Co., Ltd.**, Gyeonggi-do (KR);  
**VATECH EWOO Holdings Co., Ltd.**,  
Gyeonggi-do (KR)

D727,502 S \* 4/2015 Sul ..... D24/158  
D751,713 S \* 3/2016 Ogura ..... D24/158  
D751,714 S \* 3/2016 Ogura ..... D24/158  
D753,827 S \* 4/2016 Sul ..... D24/158  
2013/0112884 A1\* 5/2013 Osawa ..... G01T 1/202  
250/366  
2015/0293239 A1\* 10/2015 Miyoshi ..... G01T 7/00  
250/394

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

(21) Appl. No.: **29/575,567**

(22) Filed: **Aug. 26, 2016**

(51) **LOC (12) Cl.** ..... **24-01**

(52) **U.S. Cl.**  
USPC ..... **D24/158**

(58) **Field of Classification Search**  
USPC ..... D24/158-161, 186; D16/250; D14/435,  
D14/481, 482  
CPC ..... H04N 5/367; G03B 42/04; A61B 6/4283  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D477,081 S \* 7/2003 Takahashi ..... D24/161  
D601,254 S \* 9/2009 Weichert ..... D24/161  
D659,249 S \* 5/2012 Ogura ..... D24/161  
D716,947 S \* 11/2014 Ogura ..... D24/158

\* cited by examiner

*Primary Examiner* — Anhdao Doan

(74) *Attorney, Agent, or Firm* — IP Legal Services, LLC

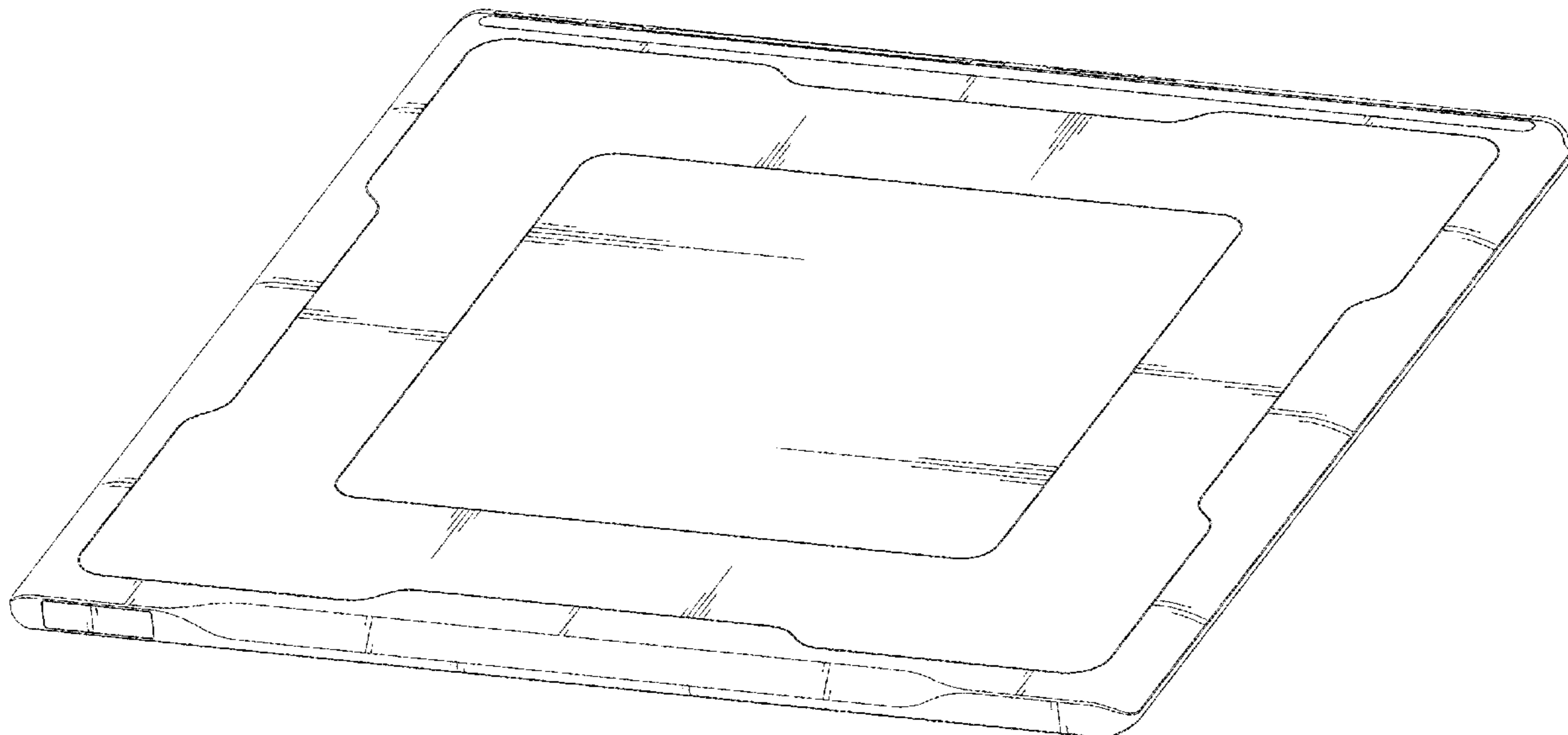
(57) **CLAIM**

The ornamental design for a digital X-ray detector, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a digital X-ray detector showing our new design;  
FIG. 2 is a top view of the front perspective view shown in FIG. 1;  
FIG. 3 is a back perspective view thereof;  
FIG. 4 is a top view of the back perspective view shown in FIG. 3;  
FIG. 5 is a left-side view of the front perspective view shown in FIG. 1;  
FIG. 6 is a right-side view of the front perspective view shown in FIG. 1;  
FIG. 7 is a front view thereof; and,  
FIG. 8 is a back view thereof.

**1 Claim, 8 Drawing Sheets**



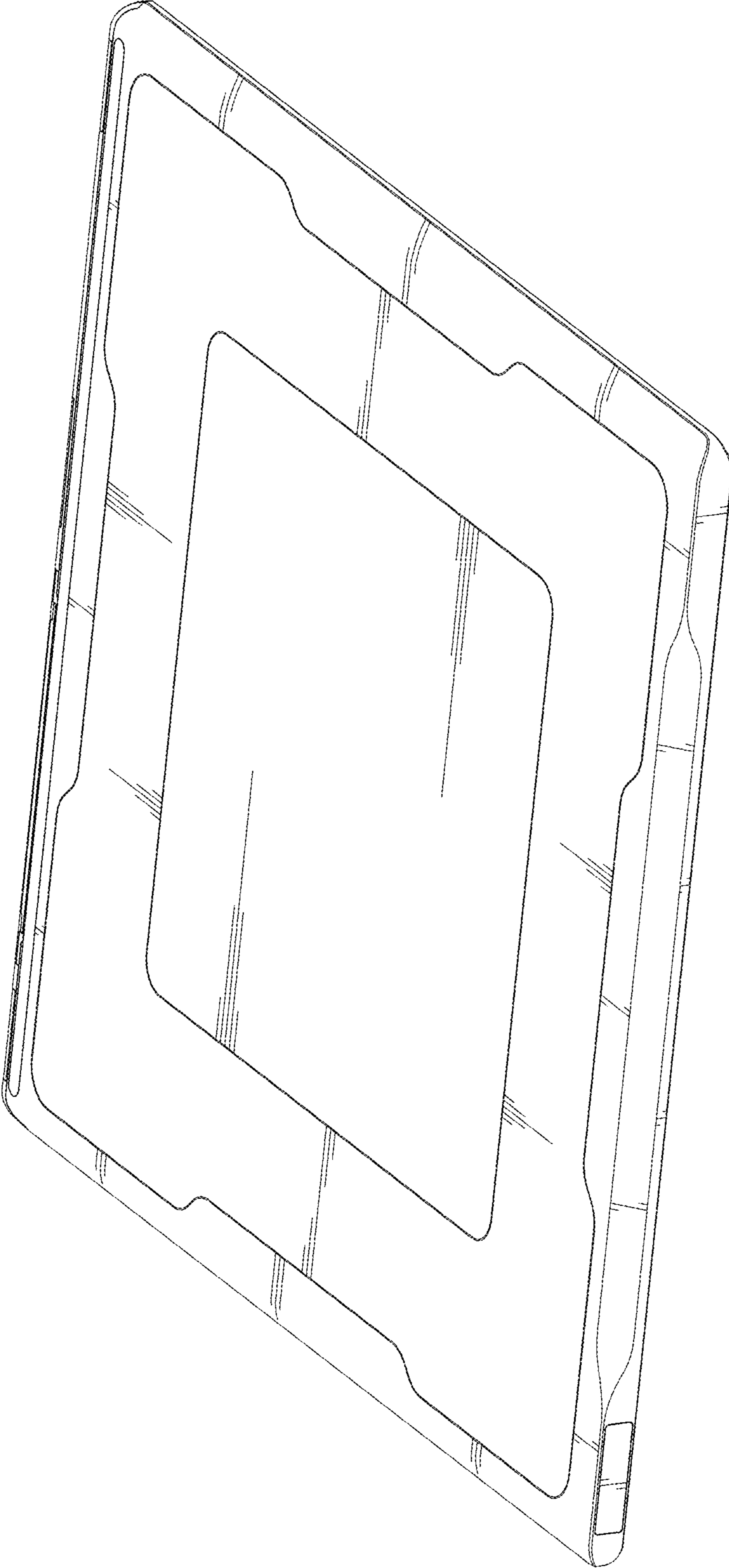


FIG. 1

FIG. 2



FIG. 3

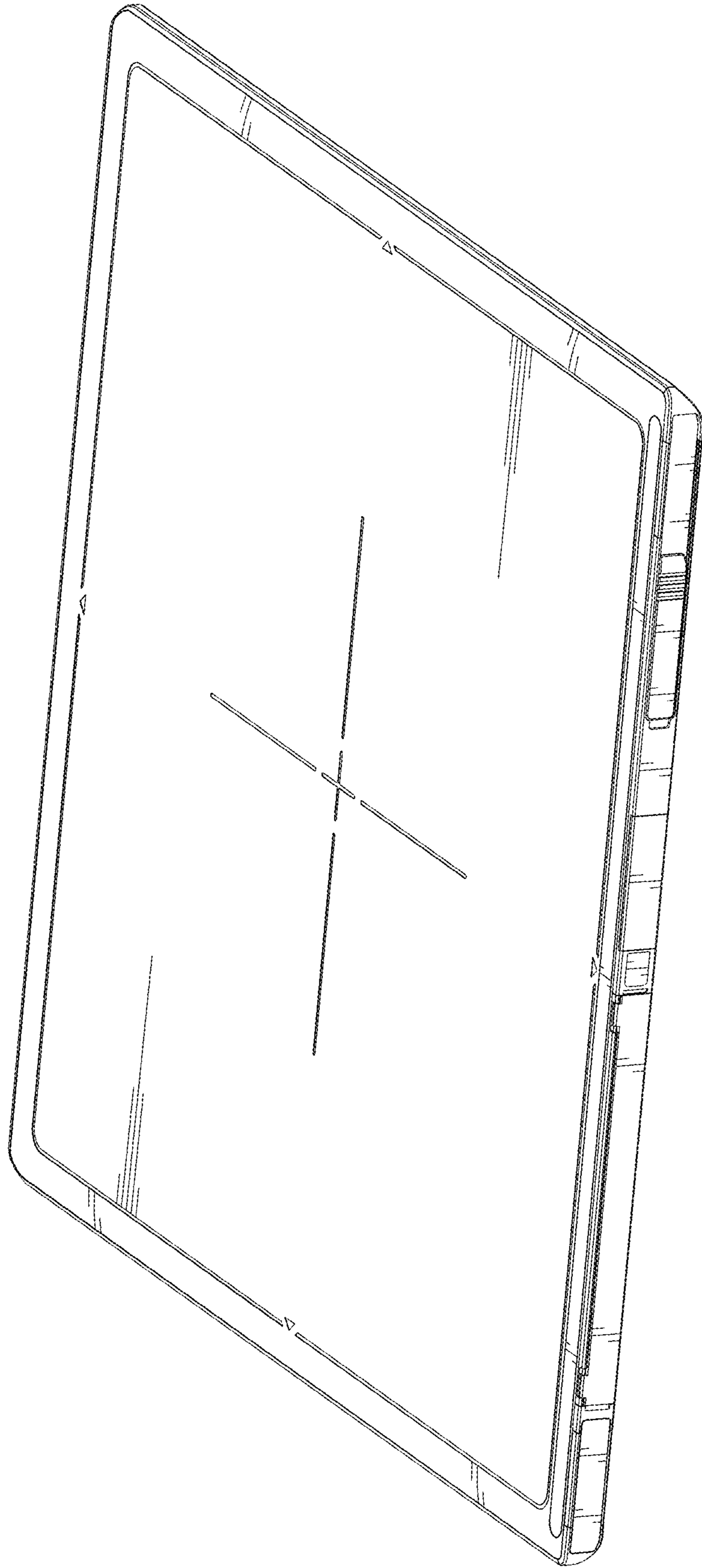


FIG. 4

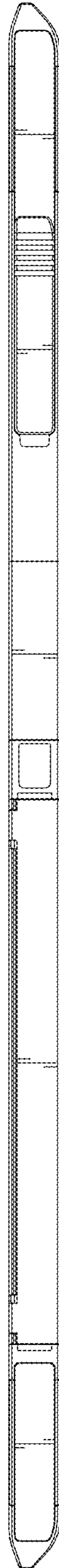


FIG. 5

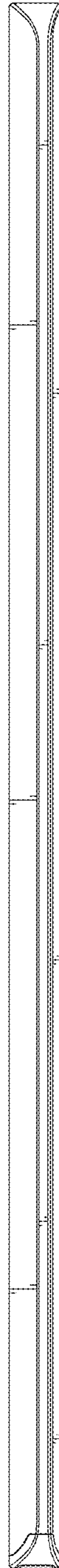




FIG. 6

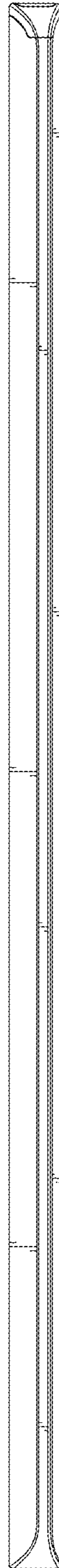


FIG. 7

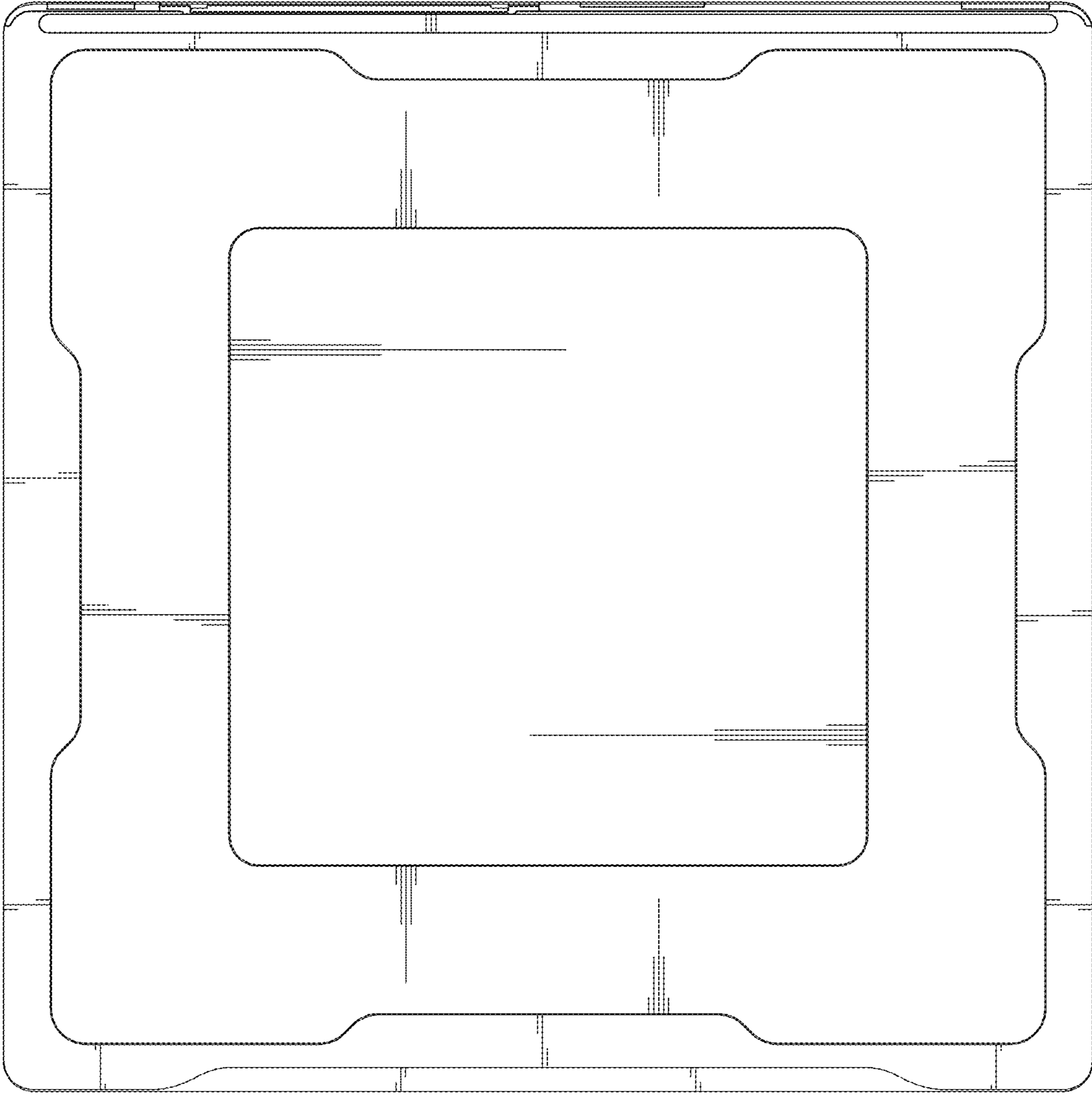




FIG. 8

