



US00D911196S

(12) **United States Design Patent** (10) **Patent No.:** **US D911,196 S**
Hong et al. (45) **Date of Patent:** **** Feb. 23, 2021**

(54) **DISPLAY MODULE WITH FORCE SENSOR**

(56) **References Cited**

(71) Applicant: **SAMSUNG DISPLAY CO., LTD.**,
Yongin-si (KR)

U.S. PATENT DOCUMENTS

(72) Inventors: **Won Ki Hong**, Suwon-si (KR); **Sung Kook Park**, Suwon-si (KR); **So Hee Park**, Cheonan-si (KR); **Hee Seomoon**, Hwaseong-si (KR); **Tae Hee Lee**, Asan-si (KR)

D671,433 S * 11/2012 Yaron D10/83
D673,063 S * 12/2012 Yaron D10/83
D673,964 S * 1/2013 Cojuangco D14/486
D860,838 S * 9/2019 Misaizu D10/83
D860,839 S * 9/2019 Misaizu D10/83

* cited by examiner

(73) Assignee: **Samsung Display Co., Ltd.**, Yongin-si (KR)

Primary Examiner — Antoine Duval Davis

(74) *Attorney, Agent, or Firm* — Lewis Roca Rothgerber Christie LLP

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

(57) **CLAIM**

The ornamental design for a display module with force sensor, as shown and described.

(21) Appl. No.: **29/688,344**

DESCRIPTION

(22) Filed: **Apr. 19, 2019**

(30) **Foreign Application Priority Data**

Oct. 22, 2018 (KR) 30-2018-0048525

(51) **LOC (13) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/85**

(58) **Field of Classification Search**

USPC D10/83, 84, 85
CPC G06F 3/0414; G06F 3/0412; G06F 2203/04105; G06F 1/169; G06F 3/04142; G06F 3/0416; G06F 2203/04106; G06F 3/04144; G06F 3/041; G06F 3/044; G06F 3/045; G01L 1/20; G01L 1/18; G01L 1/205; H01L 27/323; H04M 2250/22; H04M 1/236; H04M 2250/12; G09G 5/006; Y10S 977/773

FIG. 1 is a perspective view of the display module with force sensor according to an embodiment, which includes a cover window and a display panel attached to the rear side of the cover window, a force sensor being positioned at approximately both edges on the rear side of the display panel, and may be used for electronic devices, such as smartphones, mobile phones, multimedia devices, etc.;

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;

FIG. 6 is a top view thereof;

FIG. 7 is a bottom view thereof; and,

FIG. 8 is another perspective view thereof.

The broken lines shown in the drawings are included for the purpose of illustration and form no part of the claimed design.

See application file for complete search history.

1 Claim, 7 Drawing Sheets

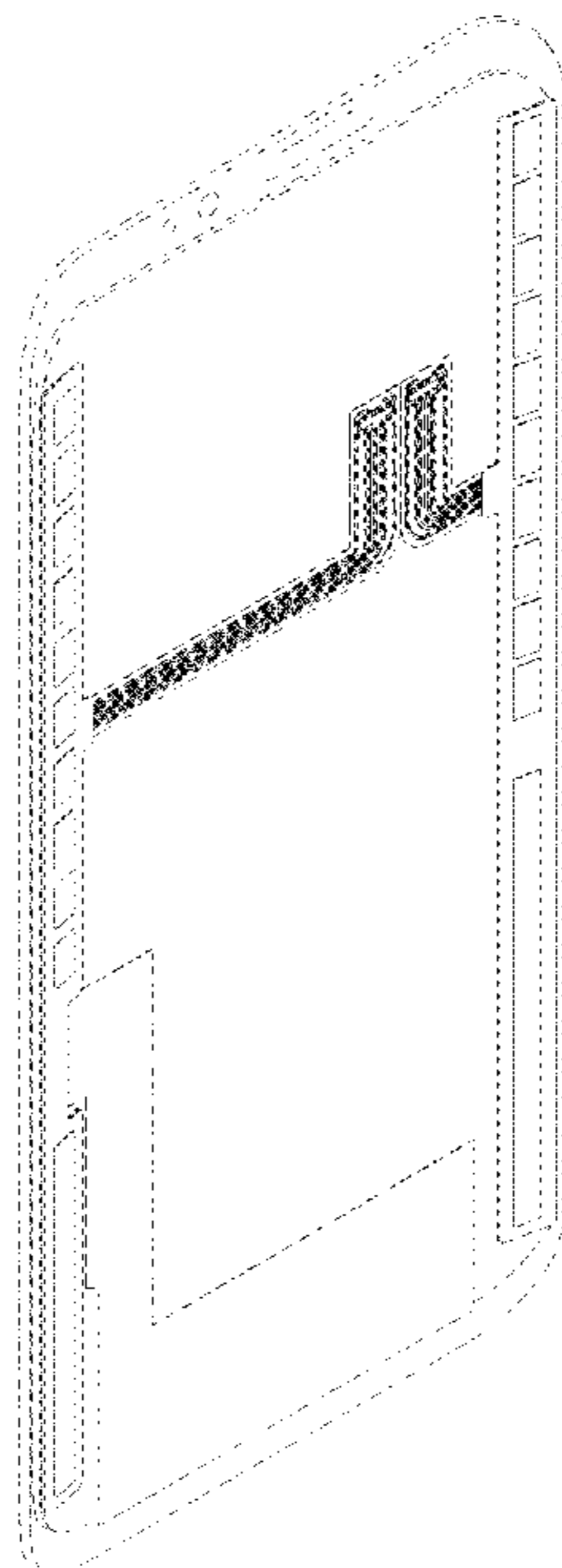


FIG. 1



FIG. 2



FIG. 3

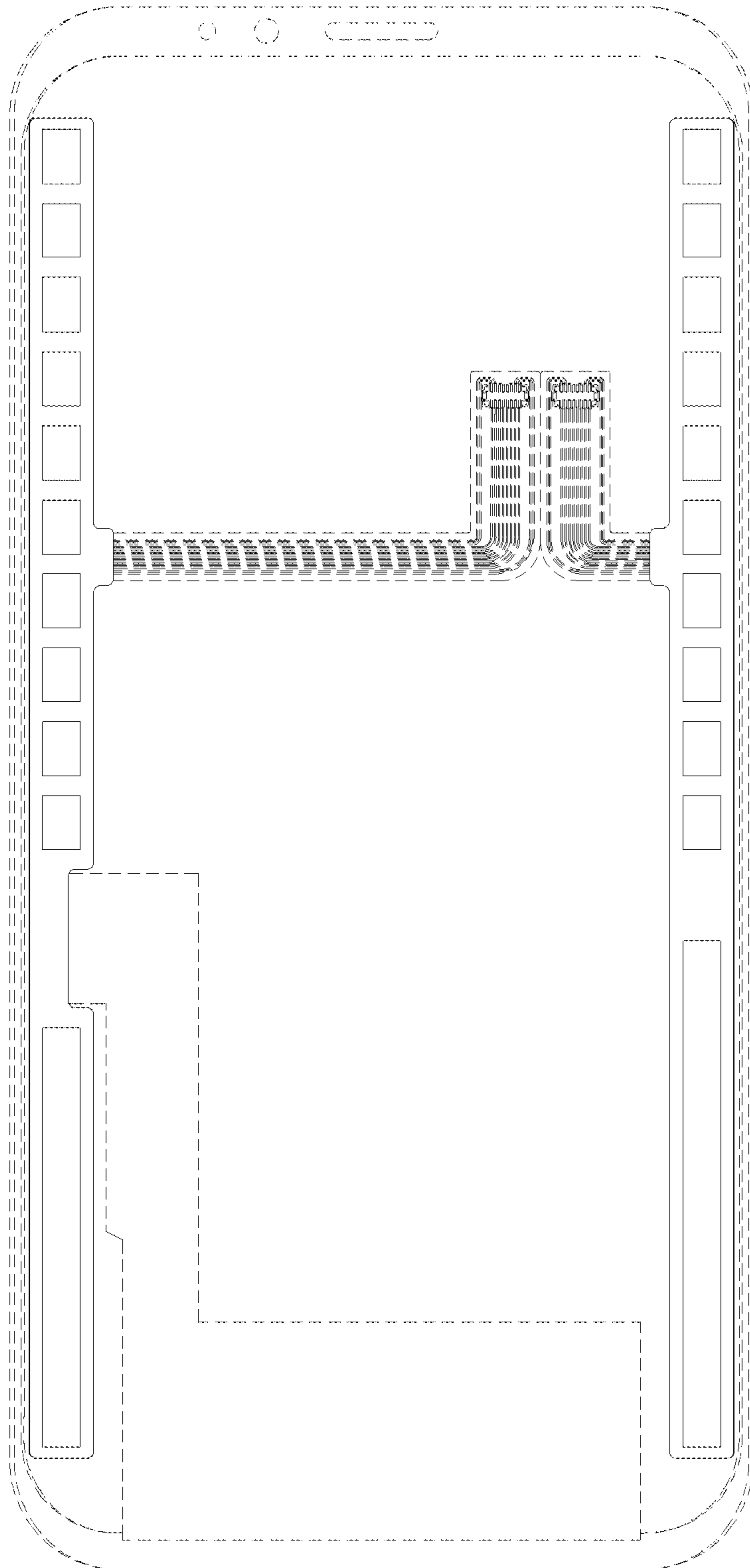


FIG. 4



FIG. 5



FIG. 6

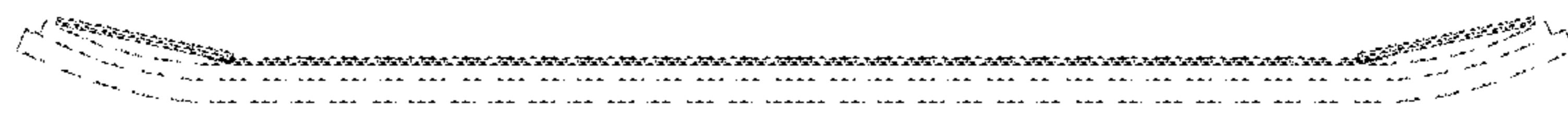


FIG. 7

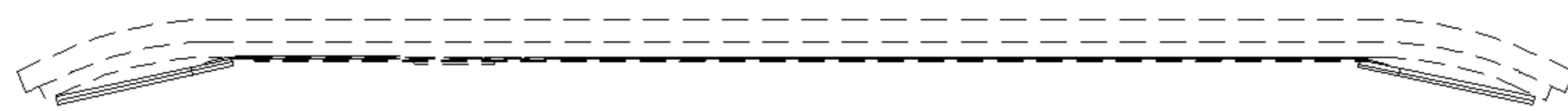


FIG. 8

