

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0232554 A1 Huang et al.

Jul. 20, 2023 (43) **Pub. Date:**

(54) ELECTRONIC DEVICE

- (71) Applicant: Innolux Corporation, Miaoli county
- (72) Inventors: Yung-Shen Huang, Miaoli County (TW); Chien-Wi Chen, Miaoli County (TW)
- (73) Assignee: Innolux Corporation, Miaoli County (TW)
- (21) Appl. No.: 18/082,588
- Filed: (22)Dec. 16, 2022

(30)Foreign Application Priority Data

(CN) 202220126981.4

Publication Classification

(51) Int. Cl. H05K 5/02 (2006.01) (52) U.S. Cl. CPC *H05K 5/0217* (2013.01)

(57)**ABSTRACT**

An electronic device, including a display panel, a backboard, and an elastic member, is provided. The backboard includes a bottom portion, a side portion, and a carrier portion. The display panel is disposed on the carrier portion, and an accommodating space is provided between the carrier portion and the bottom portion. The elastic member includes a main body portion and a protruding portion disposed on the main body portion. The main body portion is located in the accommodating space between the bottom portion and the carrier portion, and the protruding portion is located between the side portion and the display panel. By disposing the main body portion in the accommodating space, light leakage from the assembly gap is reduced. By providing the protruding portion between the side portion and the display panel, breakage of the display panel by directly hitting the side portion is avoided.

