

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2022/0361347 A1 **FENG**

Nov. 10, 2022 (43) **Pub. Date:**

(54) FLEXIBLE DISPLAY DEVICE

(71) Applicant: WUHAN CHINA STAR **OPTOELECTRONICS** SEMICONDUCTOR DISPLAY TECHNOLOGY CO.,LTD., Wuhan,

Hubel (CN)

(72) Inventor: Zikang FENG, Wuhan, Hubei (CN)

(21)Appl. No.: 17/266,381

(22) PCT Filed: Nov. 20, 2020

(86) PCT No.: PCT/CN2020/130555

§ 371 (c)(1),

Feb. 5, 2021 (2) Date:

(30)Foreign Application Priority Data

(CN) 202010456497.3

Publication Classification

(51) Int. Cl. H05K 5/02 (2006.01)H05K 5/00 (2006.01)

(52)U.S. Cl. CPC H05K 5/0217 (2013.01); H05K 5/0018 (2022.08)

(57)ABSTRACT

The present application provides a flexible display device. A housing includes a first housing and a second housing, which are relatively slidably arranged. A first end of a flexible display screen is connected to the first support member of the first housing. A second end of the flexible display screen bypasses the second support member of the second housing and is connected to a stretching mechanism in the housing. A packaging member is disposed on at least one first side plate of the second housing and covers at least a portion of an edge of the flexible display screen. The present application prevents dust from intruding into a bottom of the flexible display.

