



US 20230232563A1

(19) **United States**(12) **Patent Application Publication**
Li(10) **Pub. No.: US 2023/0232563 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **CIRCUIT BOARD FIXING BASE**(71) Applicant: **Na Li**, Dongguan City (CN)(72) Inventor: **Na Li**, Dongguan City (CN)(21) Appl. No.: **18/154,852**(22) Filed: **Jan. 16, 2023**(30) **Foreign Application Priority Data**

Jan. 17, 2022 (CN) 202210047914.8

Publication Classification(51) **Int. Cl.****H05K 7/12** (2006.01)**H05K 7/14** (2006.01)(52) **U.S. Cl.**CPC **H05K 7/12** (2013.01); **H05K 7/1407**
(2013.01); **H05K 7/1404** (2013.01)

(57)

ABSTRACT

A circuit board fixing base comprises a fixing base fixed on the electric circuit board. The fixing base is configured with carrier for carrying the electronic device and elastic locking arm located beside the carrier. The upper end of the elastic locking arm has a locking body to catch the electronic device so as to lock the electronic device on the carrier. Between the locking body and the carrier, a locking space is formed to lock the electronic device. The upper end of the locking body is configured with a guiding slope. When the electronic device is pressed on the guiding slope, the upper end of the elastic locking arm will be bent outward. The electronic device can be locked on the fixing base simply by pressing down the other end of the electronic device.

