

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2024/0214019 A1 LIU et al.

Jun. 27, 2024 (43) **Pub. Date:**

(54) CARD TRAY ASSEMBLY AND ELECTRONIC DEVICE

- (71) Applicant: VIVO MOBILE COMMUNICATION CO., LTD., Guangdong (CN)
- Inventors: Zhen LIU, Guangdong (CN); Shaoru FU, Guangdong (CN)
- Assignee: VIVO MOBILE COMMUNICATION CO., LTD., Guangdong (CN)
- Appl. No.: 18/597,612 (21)
- (22) Filed: Mar. 6, 2024

Related U.S. Application Data

- Continuation of application No. PCT/CN2022/ (63)117253, filed on Sep. 6, 2022.
- (30)Foreign Application Priority Data

(CN) 202111044274.7

Publication Classification

(51) Int. Cl. H04B 1/3818 (2006.01)H05K 7/14 (2006.01)

U.S. Cl. CPC H04B 1/3818 (2015.01); H05K 7/1427 (2013.01)

ABSTRACT (57)

A card tray assembly and an electronic device. The card tray assembly includes: a positioning cylinder provided with a first fitting slot, a second fitting slot, and a first guide slope, where an inner surface of the first fitting slot is connected to an inner surface of the second fitting slot; a card tray provided with an action portion; and a telescopic assembly including a telescopic positioning member and an elastic member, where the telescopic positioning member is movably disposed at the positioning cylinder, at least partially located in the positioning cylinder, and provided with a positioning protrusion; and one end of the elastic member is connected to the telescopic positioning member, and the other end of the elastic member is a fixed end.

