

## (19) United States

# (12) Patent Application Publication (10) Pub. No.: US 2022/0369488 A1

Nov. 17, 2022 (43) **Pub. Date:** 

### (54) TERMINAL DEVICE

(71) Applicant: Beijing Xiaomi Mobile Software Co., Ltd., Beijing (CN)

Inventor: **Bing LIU**, Beijing (CN)

Appl. No.: 17/455,841

Nov. 19, 2021 (22)Filed:

(30)Foreign Application Priority Data

(CN) ...... 202110529093.7

### **Publication Classification**

(51) Int. Cl.

H05K 5/04 (2006.01)H04B 1/3827 (2006.01)

(52)U.S. Cl.

CPC ...... H05K 5/04 (2013.01); H04B 1/385

(2013.01)

#### **ABSTRACT** (57)

A terminal device can include a metal contact component. The metal contact component can include a metal substrate and a non-allergenic contact layer which is on the metal substrate and the non-allergenic contact layer forms a part of outer surface of the terminal device.

