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HO(10) **Pub. No.: US 2022/0399891 A1**(43) **Pub. Date: Dec. 15, 2022**(54) **CONTACTLESS BUTTON STRUCTURE**(71) Applicant: **HTGOLD International Corp.**,
Taoyuan (TW)(72) Inventor: **Meng-Chang HO**, Taoyuan (TW)(21) Appl. No.: **17/829,833**(22) Filed: **Jun. 1, 2022**(30) **Foreign Application Priority Data**

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H03K 17/945 (2006.01)(52) **U.S. Cl.**CPC **H03K 17/945** (2013.01)(57) **ABSTRACT**

A contactless button structure includes a frame body with indicating key surfaces on one side thereof and an isolation space on an opposite side thereof, and a driving unit installed in the isolation space. The driving unit includes a plurality of sensing devices respectively installed on the back side of each indicating key surface and a control unit that receives the electronic signal of each sensing device. The control unit includes a plurality of trigger devices corresponding to the sensing devices respectively. Each trigger device has a retractable trigger rod. The contactless button structure can be installed outside the control key surface of the equipment (such as elevators, etc.) in the building, and the user's finger can approach any indicating key surface of the frame body of the button structure to achieve the purpose of non-contact touch control buttons. it can protect against contact infectious germs,

