

ABSTRACT**INTERACTIVE SLIDING-DOOR DEVICE**

An interactive sliding-door device has a track assembly (10), a door assembly (20), and an interacting assembly (30) . The track assembly (10) is mounted on a top end of an inner space of a building, and has multiple elongated members (11) disposed side by side. The door assembly (20) has multiple boards (21) mounted in the elongated members (11) respectively. Each of the boards (21) has two wheel assemblies (211), and the wheel assemblies (211) are slidable relative to the elongated members (11). Therefore, the boards (21) can slide in two ways, and are unrestrained from a construction layout of the building. The interacting assembly (30) has two clamps (31), two positioning wheels (32) and a cord (33). The cord (33) is mounted in the positioning wheels (32) and clamped by the clamps (31) and then the boards (21) can slide interactively and stably.

Fig. 3