

SLIDING DOOR SYSTEM AND THE METHOD OF OPERATING THE SAME**ABSTRACT OF THE DISCLOSURE**

5

A sliding door system, comprising:

- a. a door frame having a top inner edge;
- b. a first door panel and a second door panel which are slidable with each other, characterized in that both the first door panel and the second door panel are provided with a top horizontal bar and a bottom horizontal bar, wherein the base of the bottom horizontal bar of the two panels is provided with elongated slot and one end of each of the base of the two door panels is extended to form an abutment which is slidable within the slots of each of the bottom bar; and the top horizontal bar has a male abutment and a female recess where the male abutment formed on one of the panel is slidable within the recess of the top horizontal bar of the other door panel, whereby the first door panel and the second door panel are capable of slidably positioned at juxtaposed position;
- c. a pair of pivot device to pivotally mounted one panel of the door to the edge of the one of the two door panels, such that the doors at juxtaposed position is capable of swinging open about the pivot point on the door frame, thereby a widest door opening is obtained via sliding of one door panel and the swinging opening of the juxtaposed doors.

10

15

20

Figure 2