

ABSTRACT

A LOCKING MECHANISM FOR A PULL-ONLY BI-DIRECTIONAL DOOR

A locking mechanism for a bi-directional door comprises two strikers and a striker plate assembly located in the door frame such that operating a handle on one side of the door withdraws one strikers from its striker plate allowing the door to be pulled but not pushed open, and operating a handle on the other side of the door withdraws the other striker from its striker plate allowing the door to be pulled but not pushed open in the other direction. Alternative geometries are possible for the positioning of the strikers in the mechanism and for the location of the cooperating striker plates.

Figure 1



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