

DOOR SECURITY DEVICE

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PATENT STATUS

Country	Type	Number	Dated	Case
Patent Cooperation Treaty	Published Application	WO 2024/097616	05/10/2024	2023-118

Additional Patent Pending

BRIEF DESCRIPTION

An increase in threatening situations in school environments requires individuals to be ready to secure egress doors quickly to prevent intruders and other uninvited individuals from entering a space. Given the numerous variables that can affect where, when, how, or even if individuals can shelter-in-place during an emergency, there is a need for a simple, portable, lightweight, and cost-effective door security device that installs quickly and easily—without tools—on outward swinging doors from within the room being secured.

The inventors have developed a device that can secure an outward swinging egress door from within a room, enabling occupants of a space to quickly barricade a room's entrance during a lockdown or other emergency requiring shelter-in-place protocols. In contrast to other known door security devices and systems for securing a hinged, outward swinging egress door, this improved door security device is portable, lightweight, easy-to-install without tools, and adaptable to doors with different handle, jamb, and casing combinations or measurements. This discrete, on-the-go security device for securing an outward swinging door is not dependent on any furnishings or security apparatus of a particular space.

SUGGESTED USES

Teachers, students, office workers, and others can use this device for securing outward swinging egress doors in classrooms, offices, or other spaces when they do not have keys to secure such doors.

ADVANTAGES

In contrast to other known door security devices and systems for securing a hinged, outward swinging egress door, this improved door security device is:

- » lightweight, portable, and small enough to be carried in a backpack, briefcase, bag, or the like;
- » easy-to-install without tools;
- » adaptable to doors with different handle, jamb, and casing combinations or measurements;
- » easy to uninstall, without tools, from within the classroom, office, or other space, allowing an easy exit if emergency circumstances change;
- » provides a discrete, on-the-go security option for securing an outward swinging door that is not dependent on any furnishings or security apparatus of a particular space

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INVENTORS

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OTHER INFORMATION

KEYWORDS

door security device, egress, outward swinging egress door, classroom security

CATEGORIZED AS

- » Security and Defense
- » Other

RELATED CASES

2023-118-0



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