

ABSTRACT OF THE DISCLOSURE

DOOR OPENING/CLOSING DEVICE

(Object) to provide a door opening/closing device that
5 makes a person easily pull out an obstacle.

(Means for Achieving the Object) A door opening/closing
device includes: an opening/closing bar attached to one
of doors, the opening/closing bar being configured to
be actuated by an electric motor, the doors being
10 opened and closed by the opening/closing bar being
moved between an opened position and a closed position;
a door closing state detecting part configured to
detect whether the doors are in a closed state; a
locking device configured to lock and unlock the doors;
15 a lock pin configured to be moved to a locked position
or an unlocked position by the locking device; an
engaging member attached to the opening/closing bar,
the engaging member including an engaging part
configured to engage with the lock pin moved to the
20 locked position, in a state in which the closed state
is detected by the door closing state detecting part; a
first spring provided between the opening/closing bar
and the engaging member; and a locking control unit
configured to issue a lock instruction to the locking
25 device to cause the locking device to lock the doors,
in a case in which the opening/closing bar is moved to
the closed position by the electric motor and in which
the closed state is detected by the door closing state
detecting part.

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(Fig 2)