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(12) **United States Design Patent**  
**Hasegawa et al.**

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(45) **Date of Patent:** **\*\* Dec. 1, 2015**

(54) **DOOR CLOSER**

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(\*\*) Term: **14 Years**

(21) Appl. No.: **29/504,689**

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(30) **Foreign Application Priority Data**

Apr. 8, 2014 (JP) ..... 2014-007707

(51) **LOC (10) Cl.** ..... **08-07**

(52) **U.S. Cl.**  
USPC ..... **D8/330**

(58) **Field of Classification Search**  
USPC ..... D8/330, 331, 343; 292/144, 201, 92,  
292/339, DIG. 12, DIG. 19; 16/49, 51, 62,  
16/71-79, 7  
CPC ..... E05F 3/00; E05F 3/10; E05F 3/22  
See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a door closer, as shown and described.

## DESCRIPTION

FIG. 1 is a front, top, right perspective view of a door closer showing our new design;

FIG. 2 is a rear, bottom, left perspective view thereof;

FIG. 3 is a perspective view, similar to FIG. 1, shown in an alternate position with the engagement piece moved in its alternate position;

FIG. 4 is a perspective view, similar to FIG. 2, shown in alternate position with the engagement piece moved in its alternate position;

FIG. 5 is a front elevational view thereof;

FIG. 6 is a rear elevational view thereof;

FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof;

FIG. 9 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

FIG. 10 is a sectional view thereof, taken along line 10-10 of FIG. 5;

FIG. 11 is a sectional view thereof, taken along line 11-11 of FIG. 5;

FIG. 12 is a sectional view thereof, taken along line 12-12 of FIG. 5;

FIG. 13 is a sectional view thereof, taken along line 13-13 of FIG. 6;

FIG. 14 is a sectional view thereof, taken along line 14-14 of FIG. 5;

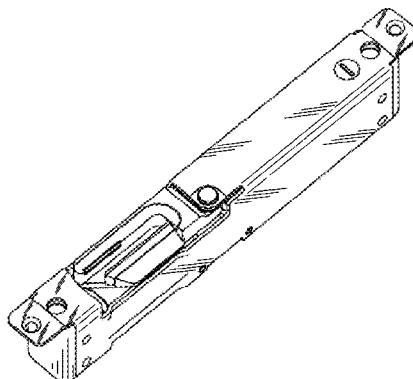
FIG. 15 is a top plan view of FIG. 3;

FIG. 16 is a perspective view thereof, shown the door closer in its environmental use; and,

FIG. 17 is another perspective view of FIG. 16.

The broken lines environment is for illustrative purpose only and forms no part of the claimed design.

**1 Claim, 17 Drawing Sheets**



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FIG. 1

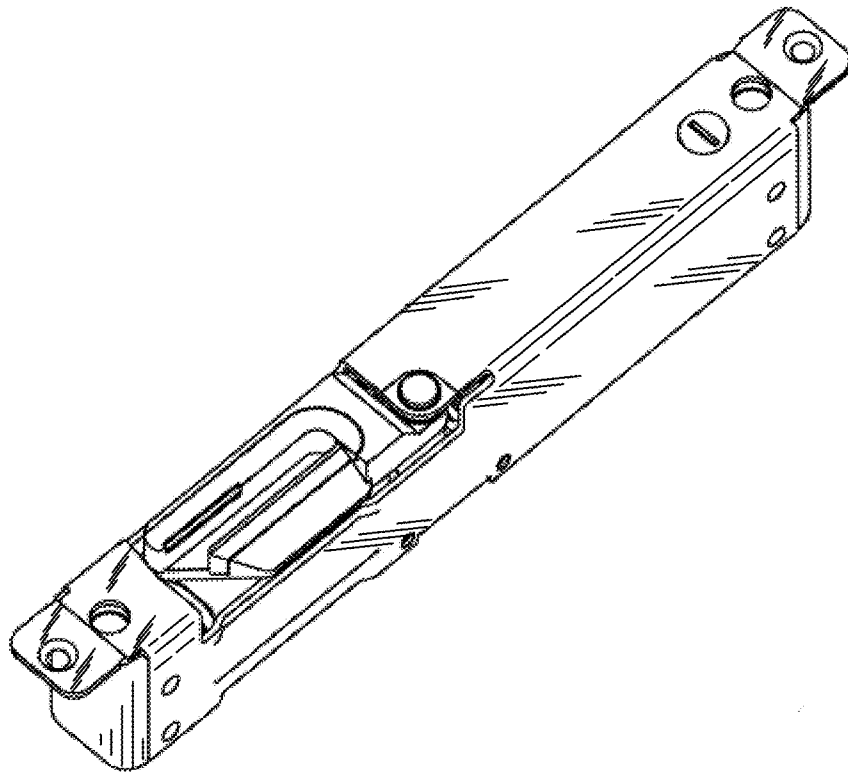


FIG. 2

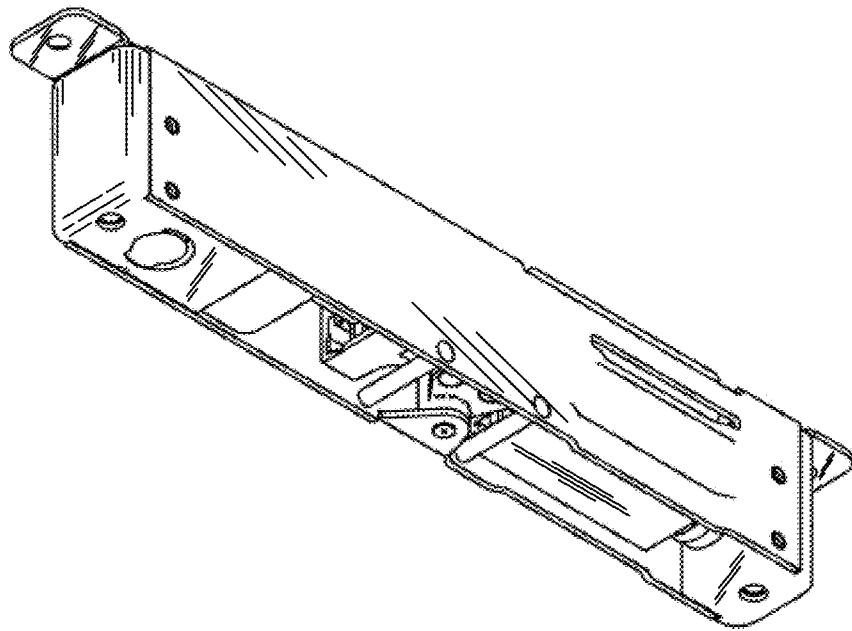


FIG. 3

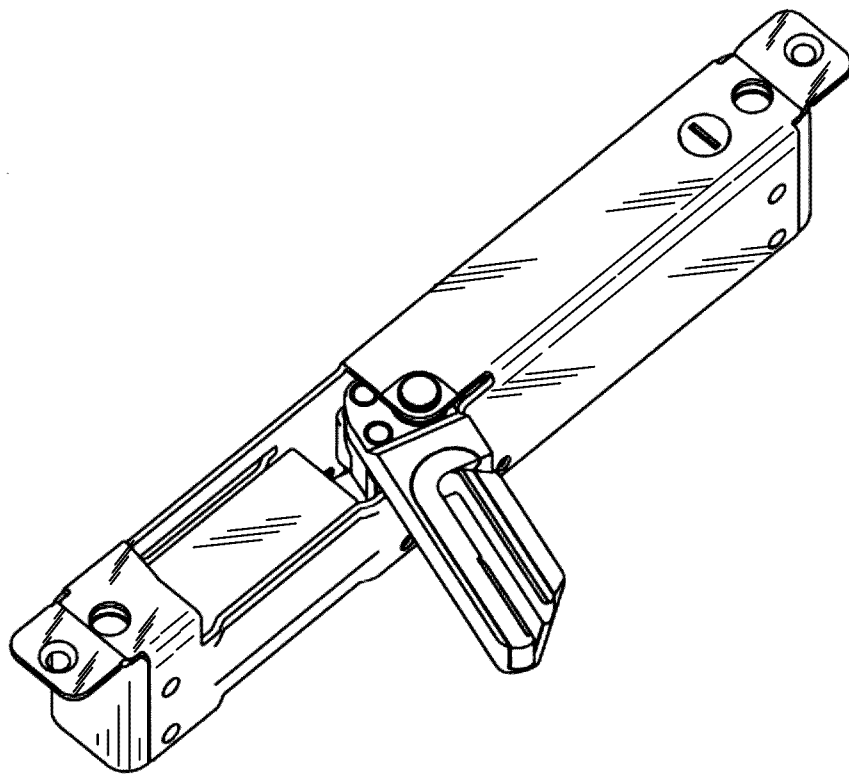


FIG. 4

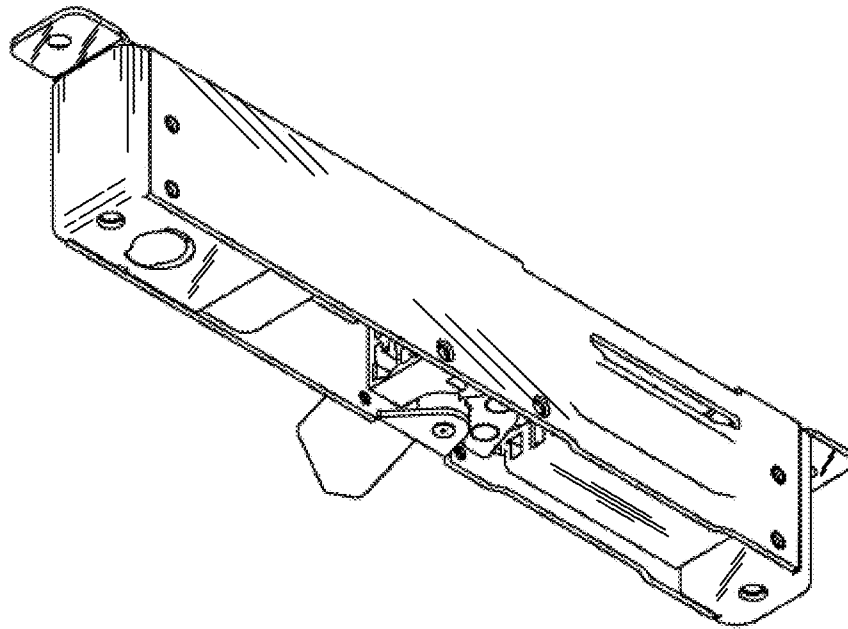


FIG. 5

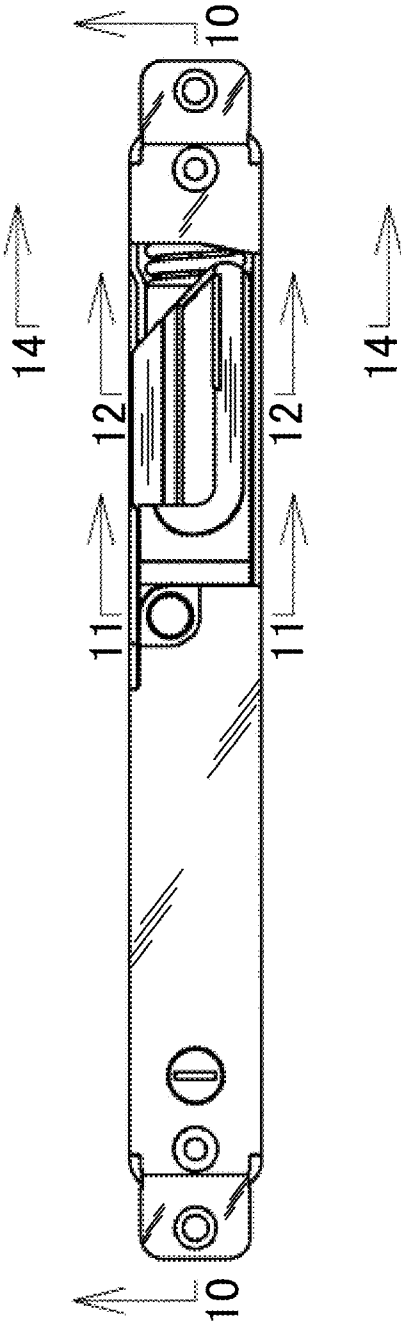


FIG. 6

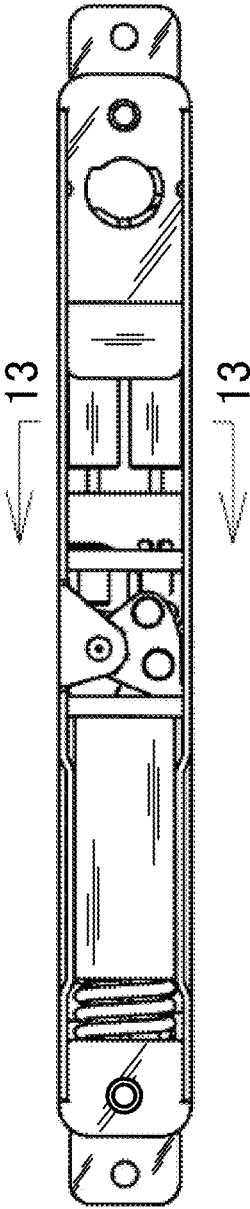


FIG. 7

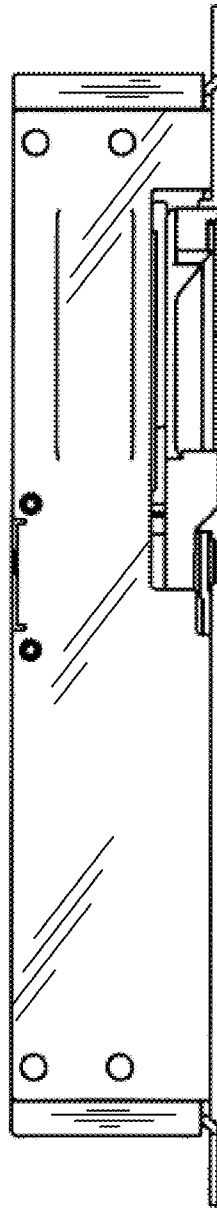


FIG. 8

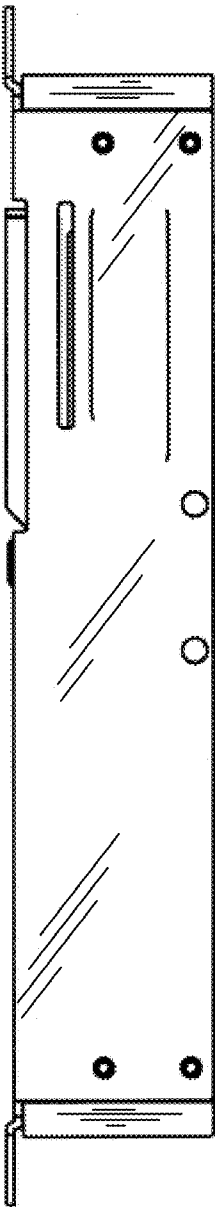


FIG. 9

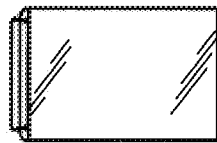


FIG. 10

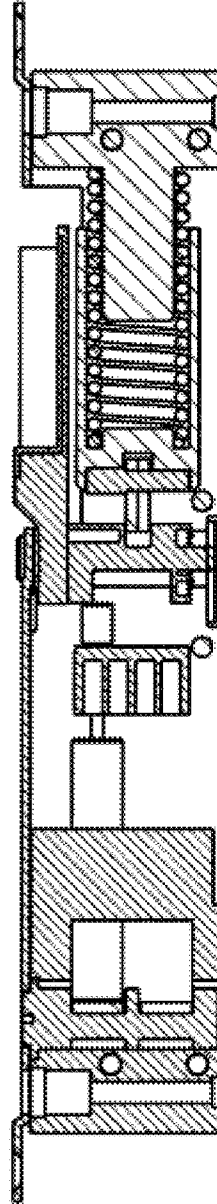


FIG. 11

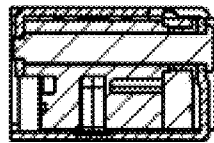


FIG. 12

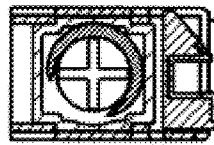


FIG. 13

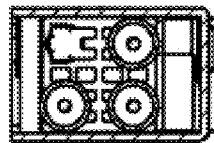


FIG. 14

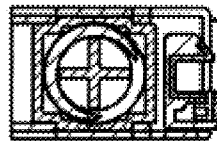


FIG. 15

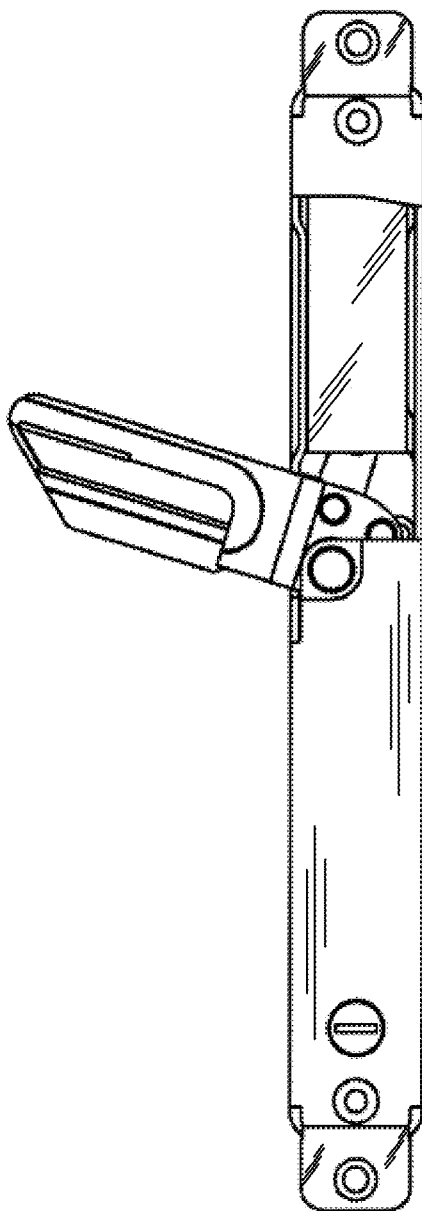


FIG. 16

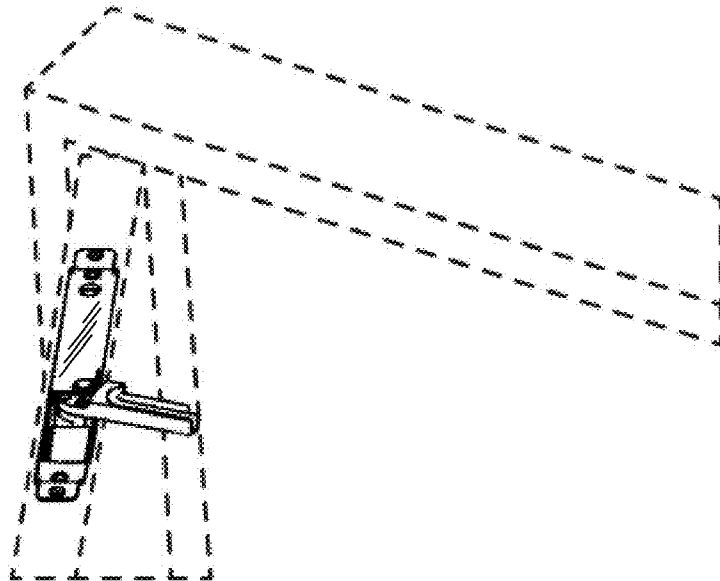


FIG. 17

