



(12) **United States Patent**
Na

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(54) **EMERGENCY ESCAPE DEVICE**

(75) Inventor: **Pan Ju Na**, Seoul (KR)

(73) Assignee: **ASIA FIRE PROTECTION CO., LTD.**, Seoul (KR)

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B66B 9/025 (2013.01); **B66B 11/00** (2013.01)

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See application file for complete search history.

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Primary Examiner — Katherine Mitchell

Assistant Examiner — Candace L Bradford

(74) *Attorney, Agent, or Firm* — Kile Park Reed & Houtteman PLLC

(57) **ABSTRACT**

An emergency escape device includes an escape hole cap fitted from above to an escape hole of a fire evacuation area of a high-rise building so as to cover an inner edge of the escape hole, a guide unit vertically installed to extend above and below the escape hole cap, a descending unit positioned below the escape hole cap and slidably attached to the guide unit in such a manner as to descend along the guide unit, a slowing unit configured to ensure that the descending unit descends along the guide unit at a reduced speed, and a returning unit for returning the descending unit descended along the guide unit to an original position. The emergency escape device may further include a locking unit for keeping the descending unit against downward movement in an upper portion of the guide unit.

4 Claims, 21 Drawing Sheets

