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Kikuchi et al.

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(54) **TONER CONTAINER AND IMAGE FORMING APPARATUS WITH A MECHANISM TO SECURE THE TONER CONTAINER**

(71) Applicants: **Kenji Kikuchi**, Kanagawa (JP); **Eisuke Hori**, Tokyo (JP); **Yuji Suzuki**, Tokyo (JP); **Hideki Kimura**, Kanagawa (JP); **Nobuo Takami**, Kanagawa (JP); **Noriyuki Kimura**, Kanagawa (JP)

(72) Inventors: **Kenji Kikuchi**, Kanagawa (JP); **Eisuke Hori**, Tokyo (JP); **Yuji Suzuki**, Tokyo (JP); **Hideki Kimura**, Kanagawa (JP); **Nobuo Takami**, Kanagawa (JP); **Noriyuki Kimura**, Kanagawa (JP)

(73) Assignee: **RICOH COMPANY, LTD**, Tokyo (JP)

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(58) **Field of Classification Search**

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See application file for complete search history.

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Primary Examiner — Sandra Brase

(74) *Attorney, Agent, or Firm* — Oblon, McClelland, Maier & Neustadt, L.L.P

(57) **ABSTRACT**

A toner container and system for mounting and/or securing the toner container includes a toner container having a toner dispensing hole, a shutter, a protrusion. The shutter is movable relative to the toner dispensing hole, and is to selectively close the toner dispensing hole. The protrusion is connected to the shutter and movement of the protrusion causes the shutter to move relative to the toner dispensing hole to cover the toner dispensing hole. There is a receiver including a movable catch, the movable catch being in a first position when the toner container is initially inserted into the receiver, and the movable catch moving to a second position upon insertion of the toner container into the receiver. The movable catch interacts with the protrusion of the toner container when the toner container is being removed from the receiver such that the movable catch in the second position restricts movement of the protrusion of the toner container which closes the shutter as the toner container is withdrawn from the receiver.

4 Claims, 33 Drawing Sheets

