



(12) **United States Patent**
Yamada et al.

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(54) **SEALING MEMBER, TONER ACCOMMODATING CONTAINER AND IMAGE FORMING APPARATUS**

USPC 399/106, 262, 119, 120, 260; 222/DIG. 1
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

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(51) **Int. Cl.**
G03G 15/08 (2006.01)

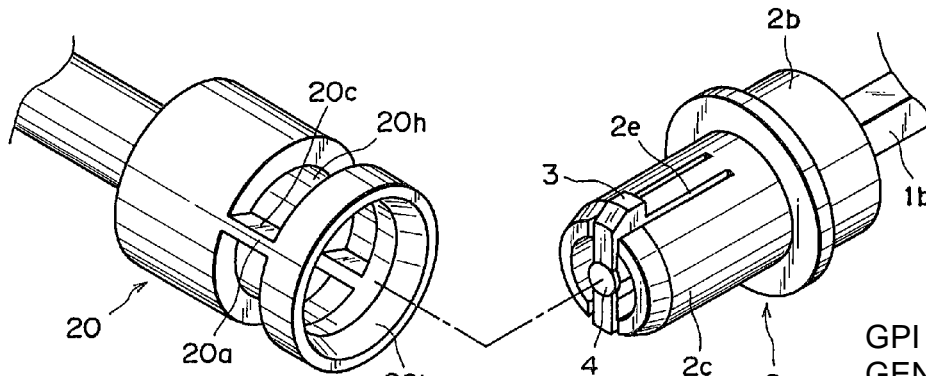
(52) **U.S. Cl.**
CPC **G03G 15/0837** (2013.01); **G03G 2215/0678** (2013.01); **G03G 2215/0668** (2013.01); **G03G 15/0839** (2013.01); **G03G 15/0834** (2013.01); **G03G 2221/1657** (2013.01); **G03G 2215/0692** (2013.01)
USPC **399/106**

(58) **Field of Classification Search**
CPC **G03G 15/0834; G03G 15/0837; G03G 15/0839; G03G 2221/1657; G03G 2215/0678; G03G 2215/0692; G03G 2215/0668**

(57) **ABSTRACT**

A toner supply container includes a rotatable container body and a sealing member provided at its axial end portion. The sealing member is movable in an axial direction and includes a sealing portion to seal and unseal an opening of the container body when in first and second relative positions, respectively, and a coupling portion positioned to receive a rotational drive force for rotating the sealing member and the container body. The coupling portion includes an elastically displaceable supporting portion, an engaging portion, and a displacing force receiving portion, which are integrally molded. The engaging portion includes a rotational force receiving portion for receiving a rotational drive force for rotating the sealing member and the container body, and a locking portion. The displacing force receiving portion is provided on the supporting portion at a position closer to the container body than the engaging portion.

53 Claims, 34 Drawing Sheets



GPI EXHIBIT 1001
GENERAL PLASTIC v. CANON

Related U.S. Application Data

of application No. 12/981,785, filed on Dec. 30, 2010, now Pat. No. 8,045,901, which is a division of application No. 12/615,012, filed on Nov. 9, 2009, now Pat. No. 7,890,027, which is a division of application No. 12/169,895, filed on Jul. 9, 2008, now Pat. No. 7,647,012, which is a division of application No. 11/200,179, filed on Aug. 10, 2005, now Pat. No. 7,430,384, which is a division of application No. 10/429,741, filed on May 6, 2003, now Pat. No. 6,990,301, which is a continuation-in-part of application No. 10/076,430, filed on Feb. 19, 2002, now Pat. No. 6,879,789.

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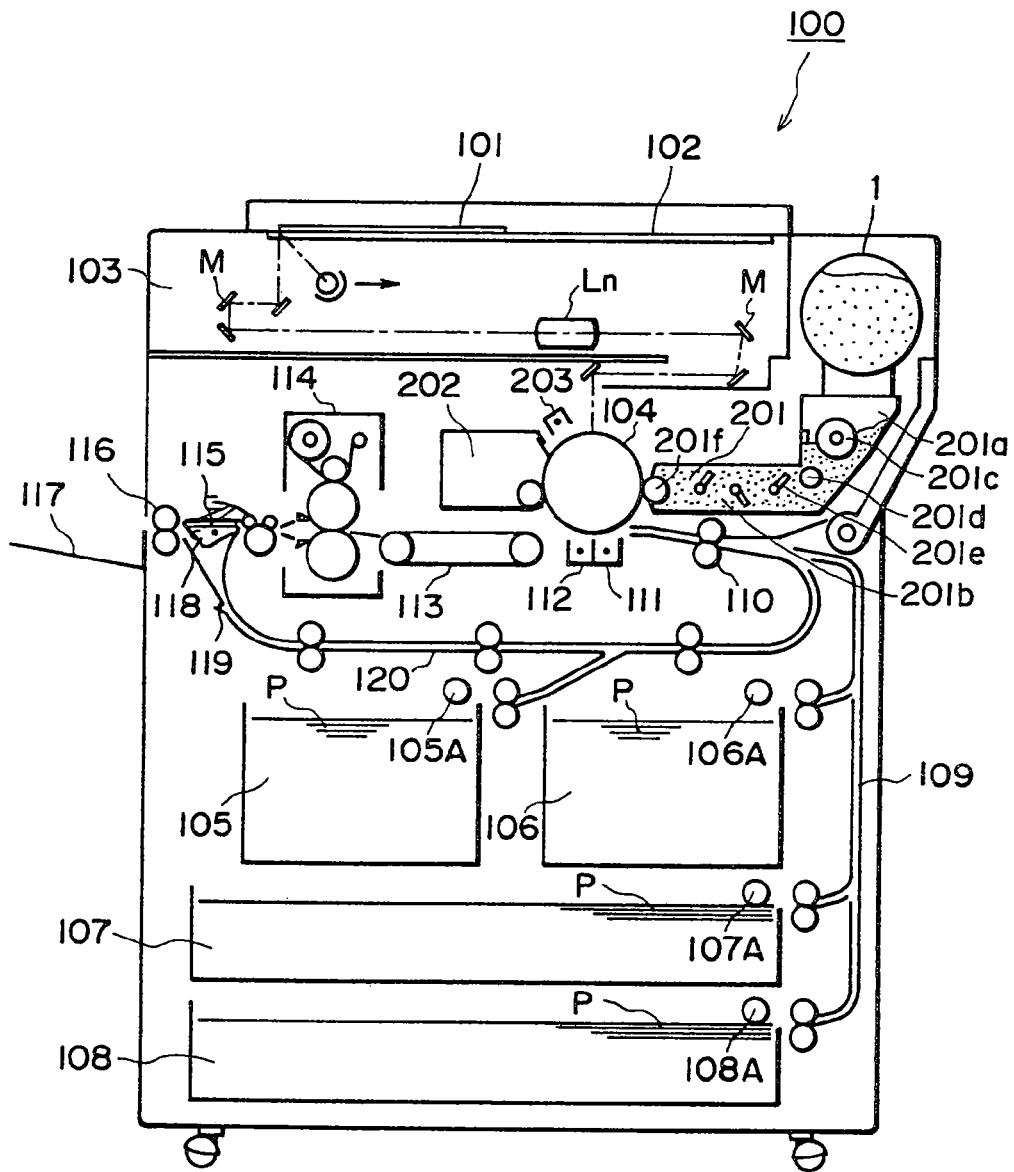


FIG. 1

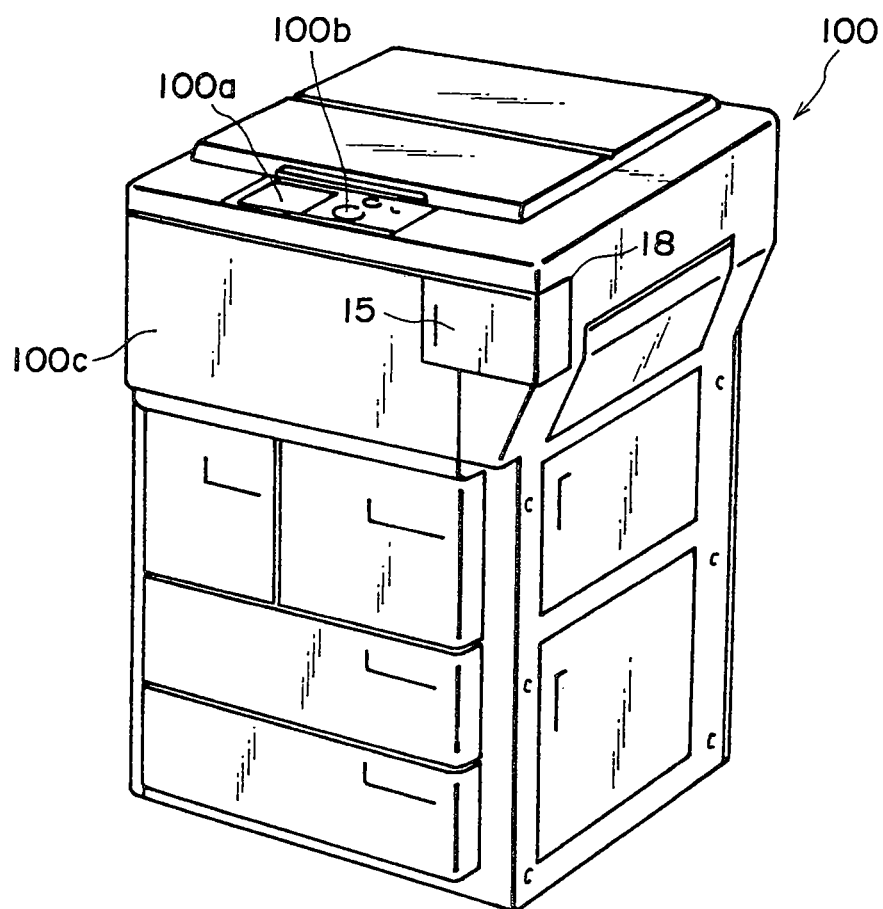


FIG. 2

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