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("toner container" AND detachable) AND ISD/19760101->20100111): 447 patents.

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("toner container" AND detachable) AND (ISD/1/1/19

PAT. NO.	Title
1 7,639,969	Developing device reducing toner pressure on supply roller and image forming apparatus using same
2 7,636,538	Layer-thickness restriction member, developing device, method for manufacturing restriction blade, and blade-forming mold
3 7,636,537	Powder supplying device and image forming device having a gas blowing part arranged to entirely cover a bottom surface of a powder container unit
4 7,636,535	Developing unit
5 7,635,549	Toner and developer, toner container, process cartridge, image forming method and image forming apparatus
6 7,634,215	Developing apparatus
7 7,630,679	Image forming apparatus, toner container, and process cartridge
8 7,627,276	Developing roller, electrophotographic process cartridge, and electrophotographic image forming apparatus
9 7,627,262	Image forming apparatus having high voltage circuit board and an insulative cover
10 7,620,345	Image forming apparatus including an operation panel provided on a facing
11 7,620,334	Image forming apparatus having disablement of image formation based on detection of developer
12 7,619,791	Image forming method and image forming device
13 7,610,007	Cleaning blade, and cleaning apparatus, process cartridge, and image forming apparatus using the same

- 14 [7,609,993](#) [Image forming apparatus that prevents developer from spilling](#)
- 15 [7,606,518](#) [Toner container and toner supply device using the same](#)
- 16 [7,603,065](#) [Image forming apparatus, cartridge, storage device and developer supplying method](#)
- 17 [7,603,054](#) [Image forming apparatus, powder supplying unit, toner container, powder container, and method of recycling the powder container](#)
- 18 [7,603,053](#) [Image forming apparatus](#)
- 19 [7,599,633](#) [Image forming apparatus dust container including dust conveyance members](#)
- 20 [7,597,313](#) [Sheet transporting device and image forming apparatus using the same](#)
- 21 [7,596,341](#) [Image forming apparatus with vertically arranged process units](#)
- 22 [7,596,337](#) [Cleaner unit and image forming apparatus including the same](#)
- 23 [7,593,671](#) [Developing device, a developing method, a process cartridge and an image forming apparatus](#)
- 24 [7,590,374](#) [Conveyor device and image forming apparatus](#)
- 25 [7,587,156](#) [Replaceable process cartridge and image forming apparatus using the same](#)
- 26 [7,580,647](#) [Image forming apparatus and control method for image forming apparatus](#)
- 27 [7,579,749](#) [Power supply device and image forming apparatus using the power supply device](#)
- 28 [7,577,379](#) [Toner container, toner supply device and image forming apparatus](#)
- 29 [7,575,842](#) [Toner and, developer, toner-containing container, process cartridge, image forming apparatus and image forming method](#)
- 30 [7,565,099](#) [Developing device and image forming apparatus having a toner-particle bearing roller with a helical groove portion](#)
- 31 [7,565,085](#) [Image forming device and toner consumption amount estimating method](#)
- 32 [7,564,473](#) [Apparatus for forming latent image using line head and control method for such apparatus](#)
- 33 [7,556,904](#) [Toner for electrostatic development, developer, image forming method, image-forming apparatus and process for cartridge using the same](#)
- 34 [7,555,252](#) [Image forming apparatus that prevents conspicuous unevenness in image density](#)
- 35 [7,555,248](#) [Developing unit connection for toner supply device](#)
- 36 [7,555,230](#) [Image forming apparatus that generates a different light pattern for different development apparatuses](#)
- 37 [7,550,243](#) [Toner, developer, toner container, process cartridge, fixing process, image forming apparatus, and image forming process](#)
- 38 [7,548,712](#) [Image forming apparatus, drum unit, image forming module, and method of insertion and removal of a damper into and from an image carrier drum](#)
- 39 [7,548,708](#) [Power supply unit in image forming apparatus](#)
- 40 [7,546,080](#) [Image forming apparatus](#)
- 41 [7,539,442](#) [Charging unit, process unit including the same, and image forming apparatus including the same](#)
- 42 [7,536,139](#) [Powder container for use in an image forming apparatus having an opening which faces horizontally](#)
- 43 [7,536,122](#) [Toner supply device, image forming apparatus and toner supplying method](#)
- 44 [7,531,281](#) [Toner for developing latent electrostatic image, container having the same, developer using the same, process for developing using the same, image-forming](#)

[process using the same, image-forming apparatus using the same, and image-forming process cartridge using the same](#)

- 45 [7,529,503](#) **T** [Toner, developing device and developing method using the same](#)
 - 46 [7,527,908](#) **T** [Carrier, developer, developer container, image forming method and process cartridge](#)
 - 47 [7,526,217](#) **T** [Image forming apparatus and waste toner warning method](#)
 - 48 [7,522,857](#) **T** [Toner, image forming apparatus using the same and process cartridge](#)
 - 49 [7,521,164](#) **T** [Toner, and, developer, toner container, process cartridge, image forming apparatus and image forming method](#)
 - 50 [7,515,855](#) **T** [Powder container having a lower part with a trapezoid-shaped cross-section](#)
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	PAT. NO.	Title
51	7,512,365	Toner supply device providing toner agitation and developing unit using the same
52	7,511,238	Switch actuation device, interlock mechanism, and image forming apparatus
53	7,505,718	Container, toner container, image forming apparatus, and image forming process
54	7,505,717	Image forming apparatus
55	7,504,188	Toner and developer, toner container, process cartridge, image forming apparatus, and image forming method using the same
56	7,498,114	Toner, process of manufacturing toner, developer, toner container, process cartridge, image forming apparatus, and image forming process
57	7,496,320	Toner supply device providing toner agitation and developing unit using the same
58	7,493,061	Process cartridge including at least one replaceable member and image forming apparatus
59	7,489,892	Particle supply apparatus and imaging apparatus having a gas spouting unit for fluidizing the particles
60	7,488,564	Toner and method for producing the same, and image-forming method using the same
61	7,486,916	Method and apparatus of image forming and process cartridge included in the apparatus
62	7,483,647	Cartridge having a molded resin complex

- 63 [7,483,645](#) **T** [Image forming apparatus having high voltage circuit board and driving unit](#)
- 64 [7,480,475](#) **T** [Developing device, and image forming apparatus and process cartridge using the developing device](#)
- 65 [7,477,862](#) **T** [Charged device, cleaning device, process cartridge, toner, and image-forming device that uses these](#)
- 66 [7,477,853](#) **T** [Toner cartridge having machine readable authentication pattern and image forming apparatus for reading the same](#)
- 67 [7,463,853](#) **T** [Particle supply apparatus, imaging apparatus, and monitoring system](#)
- 68 [7,461,300](#) **T** [Image forming apparatus and communication data handling method therein](#)
- 69 [7,457,550](#) **T** [Abnormality determining apparatus, image forming apparatus, copying machine, and information obtaining method](#)
- 70 [7,455,942](#) **T** [Toner, developer, toner container, process cartridge, image forming apparatus, and image forming method using the same](#)
- 71 [7,443,406](#) **T** [Tandem image forming apparatus](#)
- 72 [7,440,724](#) **T** [Cleaning member, cleaning unit, process cartridge, and electrophotographic image-forming apparatus](#)
- 73 [7,429,041](#) **T** [Apparatus for feeding sheet using retractable edge guide for guiding lateral edge of sheet](#)
- 74 [7,426,482](#) **T** [Image processing apparatus, method of placing order for expendables of image processing apparatus, storage medium, and program](#)
- 75 [7,426,362](#) **T** [Conveyor device and image forming apparatus](#)
- 76 [7,426,359](#) **T** [Color image forming device having a movable toner supply member being disposable in a laser light path](#)
- 77 [7,413,839](#) **T** [Toner, developer, toner container, process cartridge, and an image forming apparatus](#)
- 78 [7,406,278](#) **T** [Powder container having a lower section with multiple parts which rotatably engage with each other](#)
- 79 [7,403,734](#) **T** [Developing device, image forming apparatus, image forming system, and method of assembling developer supplying roller](#)
- 80 [7,398,046](#) **T** [Process cartridge and image forming apparatus cleaning method and cleaning device with improved lubricity](#)
- 81 [7,396,627](#) **T** [Method of preparing a toner, developer including the toner, container containing the toner, and image forming method and process cartridge using the toner](#)
- 82 [7,395,010](#) **T** [Image forming apparatus that permits adjustment of a distance between a light source and a photoconductor](#)
- 83 [7,390,604](#) **T** [Negatively chargeable spherical toner, color image forming apparatus, and process for producing negatively chargeable spherical toner](#)
- 84 [7,390,603](#) **T** [Image forming apparatus and toner](#)
- 85 [7,384,720](#) **T** [Toner for developing latent electrostatic image, container having the same, developer using the same, process for developing using the same, image-forming process using the same, image-forming apparatus using the same, and image-forming process cartridge using the same](#)
- 86 [7,384,719](#) **T** [Carrier, developer including the carrier, and image forming apparatus using the developer](#)

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