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(54) **METHOD AND SYSTEM FOR CONVERTING A TONER CARTRIDGE PRINTER TO A WHITE, CLEAR, METALLIC, FLUORESCENT, OR LIGHT TONER PRINTER**

(57) A method of converting a CMYK printer to print with a non-standard toner, comprising the steps: providing a CMYK toner printer; wherein the CMYK toner printer may have four toner printing cartridges, wherein three of the four toner printing cartridges may be color printing cartridges comprising a cyan toner printing cartridge, a magenta toner printing cartridge, and a yellow toner printing cartridge; removing one or more of the color toner printing cartridges from the toner printer, such that there may be one or more empty toner printing cartridge positions; providing one or more non-standard toner printing cartridges; and installing the one or more non-standard toner printing cartridges into the one or more empty toner printing cartridges.

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EUROPEAN SEARCH REPORT

Application Number
EP 17 19 5155

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 9 383 684 B1 (JOSIAH MICHAEL RAYMOND [US] ET AL) 5 July 2016 (2016-07-05)	1-8	INV. G03G15/01
Y	* abstract; claim 5; figure 3 * * column 6, line 50 - line 56 * -----	2	G03G15/08 G03G15/00
Y	US 2014/037307 A1 (KUO CHUNG-HUI [US] ET AL) 6 February 2014 (2014-02-06) * abstract; claim 1 * -----	2	

TECHNICAL FIELDS SEARCHED (IPC)

G03G

~~The present search report has been drawn up for all claims~~

1

Place of search	Date of completion of the search	Examiner
Munich	29 January 2018	Thieme, Markus

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons
.....
& : member of the same patent family, corresponding document

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Application Number
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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-8

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

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LACK OF UNITY OF INVENTION
SHEET B

Application Number
EP 17 19 5155

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-8

   Method of converting a printer to print with non-standard toner. Special technical feature: removing a color toner cartridge. Corresponding technical effect and solved problem: Enabling printing of dark black areas through the retention of the black toner.

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2. claims: 9-13

   Method of converting a printer to print with non-standard toner. Special technical feature: removing a black toner cartridge. Corresponding technical effect and solved problem: Enabling printing of a full color spectrum.

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3. claims: 14, 15

   Method of converting a printer to print with non-standard toner. Special technical feature: providing a monochromatic printer. Corresponding technical effect and solved problem: Provide a cost effective mechanism for printing dual tone images.

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 17 19 5155

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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29-01-2018

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 9383684 B1	05-07-2016	NONE	
US 2014037307 A1	06-02-2014	NONE	

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82