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- **Kawanabe, Motohiro**
Tokyo 143-8555 (JP)
- **Shikama, Takeshi**
Tokyo 143-8555 (JP)
- **Kinoshita, Izumi**
Tokyo 143-8555 (JP)
- **Yokoyama, Takuhei**
Tokyo 143-8555 (JP)
- **Miyazaki, Susumu**
Tokyo 143-8555 (JP)

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(71) Applicant: **Ricoh Company, Ltd.**
Tokyo 143-8555 (JP)

(72) Inventors:
• **Miyadera, Tatsuya**
Tokyo 143-8555 (JP)

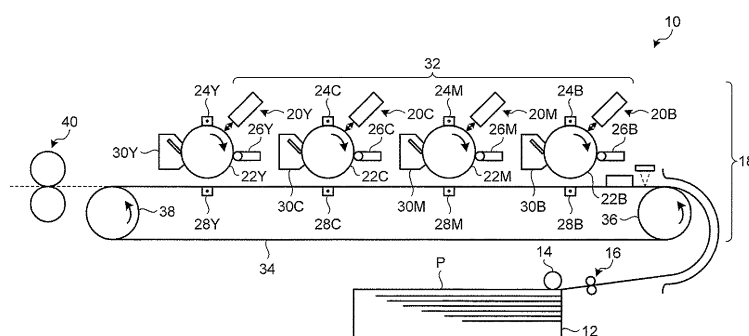
(74) Representative: **Schwabe - Sandmair - Marx**
Patentanwälte Rechtsanwalt
Partnerschaft mbB
Joseph-Wild-Straße 20
81829 München (DE)

(54) **Toner consumption calculator, image forming apparatus, and toner consumption calculation method**

(57) A toner consumption calculator includes a plurality of line memories; a processor that sequentially records image data including a plurality of pixels into the line memories and processes the image data by sequentially reading the image data from the line memories; an exposing unit that performs exposure in accordance with the processed image data and forms a latent image based on the image data on an image carrier; and a counter that sequentially reads the image data from the line memories and counts toner consumption of a target pixel

on the basis of light amounts of surrounding pixels of the target pixel. The processor reads the image data from the line memories L times (L is a natural number) and reads M pixels (M is a natural number) per line memory and per clock. M is equal to or larger than the number of surrounding pixels of the target pixel in a main-scanning direction. The counter reads the image data from the line memories L times, reads the M pixels per line memory and per clock, and counts the toner consumption of N target pixels ($N \leq M$).

FIG.1





EUROPEAN SEARCH REPORT

Application Number
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			G03G
Place of search		Date of completion of the search	Examiner
Munich		26 April 2017	Scarpa, Giuseppe
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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