



US009411259B2

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

(10) **Patent No.:** **US 9,411,259 B2**

(45) **Date of Patent:** **Aug. 9, 2016**

(54) **IMAGE FORMING APPARATUS**

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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.

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(21) Appl. No.: **14/641,816**

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(22) Filed: **Mar. 9, 2015**

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(65) **Prior Publication Data**

US 2015/0261122 A1 Sep. 17, 2015

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(30) **Foreign Application Priority Data**

Mar. 14, 2014 (JP) 2014-052722

(57) **ABSTRACT**

(51) **Int. Cl.**
G03G 15/08 (2006.01)
G03G 15/06 (2006.01)

An image forming apparatus includes a developer bearing member, a developing bias application unit, a developer supply member, and a supply bias application unit that applies a supply bias to the developer supply member. In a predetermined period before a start of image formation during an image forming operation for an image formed on one recording material, the supply bias application unit applies a supply bias of which the magnitude of an absolute value is smaller than that of a developing bias, to the developer supply member. In a period between the start of image formation and an end of image formation during the image forming operation, the supply bias application unit applies a supply bias to the developer supply member so that a difference in the magnitude of the absolute value from the supply bias in the predetermined period before the start of image formation increases gradually.

(52) **U.S. Cl.**
CPC **G03G 15/065** (2013.01); **G03G 2215/0132**
(2013.01)

(58) **Field of Classification Search**
CPC G03G 15/065; G03G 2215/0132
See application file for complete search history.

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16 Claims, 9 Drawing Sheets

