



US009411277B1

(12) **United States Patent**  
**Takada**

(10) **Patent No.:** **US 9,411,277 B1**  
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **FIXING DEVICE AND IMAGE FORMING APPARATUS HAVING THE SAME**

(58) **Field of Classification Search**  
CPC ..... G03G 15/2039  
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.

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(57) **ABSTRACT**

A fixing device includes a fixing unit configured to fix an image on a sheet with heat when the sheet passes through a nip formed in the fixing unit, a temperature detection unit disposed adjacent to the fixing unit, and a control unit configured to change a maximum amount of power that is supplyable to the fixing unit from a first value to a second value that is smaller than the first value, based on a temperature detected by the temperature detection unit.

**17 Claims, 8 Drawing Sheets**

(21) Appl. No.: **14/717,813**

(22) Filed: **May 20, 2015**

(51) **Int. Cl.**  
**G03G 15/20** (2006.01)

(52) **U.S. Cl.**  
CPC ..... **G03G 15/2039** (2013.01)

