

Title (en)

Fixing device and image forming apparatus

Title (de)

Fixiervorrichtung und Bilderzeugungsvorrichtung

Title (fr)

Dispositif de fixation et appareil de formation d'images

Publication

EP 2672327 A3 20171220 (EN)

Application

EP 13168004 A 20130516

Priority

JP 2012130734 A 20120608

Abstract (en)

[origin: EP2672327A2] A fixing device (22) sets a control period and a gap between recording media so that $T1 + T2 = C \times N$ is satisfied, where T1 denotes a time from when the leading end of a recording medium reaches a nip to when the trailing end thereof passes through the nip, T2 denotes a time corresponding to the gap between the recording media, C denotes the control period, and N denotes a positive integer; and heat generated by a heat source (5) is supplied to the recording medium in synchronization with a timing at which the recording medium enters the nip. A correction amount is added to an electrification time in each control period and reduced at a predetermined rate in each control period based on temperature information of a pressing member (2) before start of feeding. The correction amount is changed depending on the basis weight of the recording medium.

IPC 8 full level

G03G 15/20 (2006.01)

CPC (source: EP)

G03G 15/2039 (2013.01)

Citation (search report)

- [A] US 2009290893 A1 20091126 - OGISO TOSHIO [JP], et al
- [A] JP 2003345164 A 20031203 - SHARP KK
- [A] JP H11133791 A 19990521 - CANON KK
- [A] US 6246843 B1 20010612 - NANATAKI HIDEO [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2672327 A2 20131211; EP 2672327 A3 20171220; EP 2672327 B1 20210818

DOCDB simple family (application)

EP 13168004 A 20130516