

Title (en)

FIXING DEVICE AND IMAGE FORMING APPARATUS INCORPORATING THE SAME

Title (de)

BEFESTIGUNGSVORRICHTUNG UND BILDBILDUNGSGERÄT MIT GLEICHEM

Title (fr)

DISPOSITIF DE FIXATION ET APPAREIL DE FORMATION D'IMAGE L'INCORPORANT

Publication

EP 3660595 A1 20200603 (EN)

Application

EP 19209564 A 20191115

Priority

- JP 2018221286 A 20181127
- JP 2019038473 A 20190304

Abstract (en)

A fixing device (7) includes an endless fixing belt (22), a heater (31), a pressing member (23), a nip formation pad (32) disposed inside a loop of the fixing belt (22) and configured to contact the pressing member (23) to form a fixing nip, and a reflector (34) disposed inside the loop of the fixing belt (22) and configured to reflect heat from the heater (31). The nip formation pad (32) has a wider width at a portion corresponding to a central region in a longitudinal direction than an end portion of the nip formation pad (32) in the longitudinal direction. The reflector (34) extends in a longitudinal direction of the nip formation pad (32) and has an opening (34k) opened to the nip formation pad (32). The opening (34k) has a wider width at a portion corresponding to the central region in the longitudinal direction than a width at an end portion of the reflector (34) in the longitudinal direction; and corresponding image forming apparatus.

IPC 8 full level

G03G 15/20 (2006.01)

CPC (source: EP)

G03G 15/2007 (2013.01)

Citation (applicant)

JP 2017068056 A 20170406 - BROTHER IND LTD

Citation (search report)

- [ID] JP 2017068056 A 20170406 - BROTHER IND LTD
- [AP] US 10168653 B2 20190101 - MATSUDA RYOHEI [JP], et al
- [A] US 9618886 B2 20170411 - SETO TAKASHI [JP], et al
- [A] US 9740147 B2 20170822 - FUJIWARA HITOSHI [JP], et al
- [A] EP 2610688 A1 20130703 - RICOH CO LTD [JP]

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 3660595 A1 20200603; EP 3660595 B1 20210224

DOCDB simple family (application)

EP 19209564 A 20191115