

Title (en)

FIXING DEVICE AND IMAGE FORMING APPARATUS INCORPORATING THE SAME

Title (de)

FIXIERVORRICHTUNG UND BILDERZEUGUNGSVORRICHTUNG DAMIT

Title (fr)

DISPOSITIF DE FIXATION ET APPAREIL DE FORMATION D'IMAGES LE COMPRENANT

Publication

EP 3629097 A1 20200401 (EN)

Application

EP 19197617 A 20190916

Priority

- JP 2018182341 A 20180927
- JP 2019052148 A 20190320

Abstract (en)

A fixing device (5) includes a fixing member (21), an opposed rotator (22) disposed opposite an outer surface of the fixing member (21), a heater (23) disposed inside a loop of the fixing member (21) to heat the fixing member (21) by radiant heat, and a nip formation pad (24) disposed inside the loop of the fixing member (21) to sandwich the fixing member (21) with the opposed rotator (22) to form a nip. The nip formation pad (24) includes a slope (24e) that inclines toward a center of the fixing member (21) in a width direction of the fixing member (21) and is disposed on a heater-side surface (24d) of the nip formation pad (24) facing the heater (23).

IPC 8 full level

G03G 15/20 (2006.01)

CPC (source: EP)

G03G 15/2053 (2013.01); **G03G 2215/2035** (2013.01)

Citation (applicant)

JP 2011237523 A 20111124 - BROTHER IND LTD

Citation (search report)

- [X] JP 2017116695 A 20170629 - RICOH CO LTD
- [X] JP 2017072645 A 20170413 - KYOCERA DOCUMENT SOLUTIONS INC
- [X] US 9052652 B2 20150609 - FUJII TOMOHIKO [JP], et al
- [A] US 2014341623 A1 20141120 - ARAI YUJI [JP], et al
- [X] US 2012177422 A1 20120712 - NANNO SHIGEO [JP], et al

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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 3629097 A1 20200401

DOCDB simple family (application)

EP 19197617 A 20190916