

Title (en)  
FIXING DEVICE AND IMAGE FORMING APPARATUS INCORPORATING SAME

Title (de)  
FIXIERVORRICHTUNG UND BILDERZEUGUNGSVORRICHTUNG DAMIT

Title (fr)  
DISPOSITIF DE FIXATION ET APPAREIL DE FORMATION D'IMAGES LE COMPRENANT

Publication  
**EP 3690550 A1 20200805 (EN)**

Application  
**EP 20150101 A 20200102**

Priority  
JP 2019015643 A 20190131

Abstract (en)  
A fixing device (5) includes a rotatable endless fixing belt (21), a pressing member (22) configured to press the fixing belt (21), a heater (23) disposed inside a loop of the fixing belt (21) and configured to heat the fixing belt (21), and a nip formation member (24) disposed inside the loop of the fixing belt (21) and configured to come into contact with the pressing member (22) via the fixing belt (21) to form a fixing nip. In a longitudinal direction of the heater (23), the heater (23) has a low heat generation area (23a) that generates a smaller amount of heat than another area of the heater (23). The nip formation member (24) has an elongated portion (242) that extends upstream from the fixing nip in a rotation direction of the fixing belt (21). The elongated portion (242) has the longest part (242a) positioned corresponding to the low heat generation area in the longitudinal direction.

IPC 8 full level  
**G03G 15/20** (2006.01)

CPC (source: EP)  
**G03G 15/2042** (2013.01); **G03G 15/2053** (2013.01); **G03G 2215/2035** (2013.01)

Citation (applicant)  
JP 2017032633 A 20170209 - BROTHER IND LTD

Citation (search report)  
• [XY] JP 2018169467 A 20181101 - RICOH CO LTD  
• [Y] US 2014341627 A1 20141120 - YOSHIKAWA MASAOKI [JP], et al  
• [Y] EP 2921911 A1 20150923 - 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 3690550 A1 20200805**; JP 2020122913 A 20200813; JP 7223320 B2 20230216

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**EP 20150101 A 20200102**; JP 2019015643 A 20190131