

Title (en)
FIXING DEVICE AND IMAGE FORMING APPARATUS INCLUDING THE SAME

Title (de)
FIXIERVORRICHTUNG UND BILDERZEUGUNGSVORRICHTUNG DAMIT

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

Publication
EP 3380895 A4 20200415 (EN)

Application
EP 16879145 A 20161019

Priority
• JP 2015249896 A 20151222
• KR 20160091446 A 20160719
• KR 2016011715 W 20161019

Abstract (en)
[origin: JP2017116650A] PROBLEM TO BE SOLVED: To suppress an increase in torque at the start of driving of a fixing belt in a fixing device of a belt nip system.SOLUTION: A fixing device 50 applies heat and pressure to a medium P on which a toner image is formed with a pair of rotors to fix the toner image to the medium. The fixing device 50 comprises: a cylindrical fixing belt 51 that is one of the pair of rotors; a pressure roller 52 that is the other of the pair of rotors and presses the medium P against an outer peripheral surface of the fixing belt 51; and a contact member 54 that is fixed on the inside of the fixing belt 51, and includes a contact part 65b receiving a load from the pressure roller 52 and in contact with an inner peripheral surface 51b of the fixing belt 51. The contact part 65b includes a plurality of convex shapes projecting toward the pressure roller 52 side.SELECTED DRAWING: Figure 3

IPC 8 full level
G03G 15/16 (2006.01); **G03G 15/20** (2006.01)

CPC (source: EP KR US)
G03G 15/1615 (2013.01 - KR); **G03G 15/1665** (2013.01 - KR); **G03G 15/2053** (2013.01 - EP KR US); **G03G 15/2064** (2013.01 - KR); **G03G 2215/2035** (2013.01 - EP)

Citation (search report)
• [X] US 6456819 B1 20020924 - ABE ATSUYOSHI [JP], et al
• [X] US 2006083567 A1 20060420 - ITO YOSHIKUNI [JP], et al
• [X] JP 2002299007 A 20021011 - CANON KK
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• [X] EP 2317402 A2 20110504 - BROTHER IND LTD [JP]
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Designated contracting state (EPC)
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DOCDB simple family (publication)
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