

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

Title (de)
FIXIERVORRICHTUNG UND BILDERZEUGUNGSVORRICHTUNG DAMIT

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

Publication
EP 3690554 A1 20200805 (EN)

Application
EP 20153423 A 20200123

Priority
• JP 2019016039 A 20190131
• JP 2019039546 A 20190305

Abstract (en)
A fixing device (5) includes a fixing member (21), an opposed member (22), a nip formation member (24), a heating member (23), and a reflector (26). The fixing member (21) is in a cylindrical form. The opposed member (22) is opposed to an outer surface of the fixing member (21). The nip formation member (24) is inside a loop of the fixing member (21) to form a nip (N) with the opposed member (22) with the fixing member (21) interposed between the opposed member (22) and the nip formation member (24). The heating member (23) is inside the loop of the fixing member (21) to heat the fixing member and the nip formation member. The reflector (26) is inside the loop of the fixing member (21) to reflect light or heat from the heating member (23). The reflector (26) has a convex surface protruding toward the heating member (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 2009093141 A 20090430 - SAMSUNG ELECTRONICS CO LTD

Citation (search report)
• [XA] JP 2019003036 A 20190110 - RICOH CO LTD
• [XAY] US 2018059587 A1 20180301 - SAWADA KAZUNARI [JP], et al
• [X] US 2011058864 A1 20110310 - FUJIMOTO IPPEI [JP], et al
• [X] US 2012008971 A1 20120112 - LEE JIN-SUNG [KR], et al
• [X] US 2017176898 A1 20170622 - IZAWA TATSUNORI [JP]
• [Y] JP 2016212278 A 20161215 - RICOH CO LTD

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 3690554 A1 20200805

DOCDB simple family (application)
EP 20153423 A 20200123