

Title (en)
HEATING CONTROL APPARATUS AND PRINTING APPARATUS

Title (de)
HEIZUNGSSTEUERUNGSGERÄT UND DRUCKGERÄT

Title (fr)
APPAREIL DE COMMANDE DE CHAUFFAGE ET IMPRIMANTE

Publication
EP 4070962 A1 20221012 (EN)

Application
EP 22163176 A 20220321

Priority
JP 2021065587 A 20210408

Abstract (en)
Provided is a heating control apparatus capable of reducing a risk of damaging a conveyance member that conveys a planar conveyed object due to residual heat of a heat source that heats the conveyance member in a case printing ends and driving of the heat source is stopped. The heating control apparatus that controls heating of a belt (20) that conveys a fabric (60) in a state in the fabric (60) is in close contact with a conveyance surface including an adhesive layer includes: a heater (41) disposed to face the belt (20); a shielding plate (43) provided to be movable forward and backward between a shielding position at which radiation of heat from the heater (41) to the belt (20) is shielded and a retraction position retracted from the shielding position; and a driving unit (46), a drive circuit (48), and a control circuit (50) that perform control to advance the shielding plate (43) to the shielding position in a case where the conveyance of the belt (20) is stopped.

IPC 8 full level
B41J 3/407 (2006.01)

CPC (source: EP)
B41J 3/4078 (2013.01); **B41J 11/00242** (2021.01); **B41J 11/007** (2013.01)

Citation (applicant)
• JP 2018192733 A 20181206 - SEIKO EPSON CORP
• JP 2006176267 A 20060706 - KONICA MINOLTA HOLDINGS INC
• JP 2006199498 A 20060803 - KONICA MINOLTA HOLDINGS INC
• JP 2006264805 A 20061005 - KONICA MINOLTA HOLDINGS INC
• JP 2006264806 A 20061005 - KONICA MINOLTA HOLDINGS INC

Citation (search report)
• [YA] US 2021086537 A1 20210325 - KITAGISHI MIKIO [JP], et al
• [YA] US 2014028768 A1 20140130 - CHEN WEN [US]
• [Y] WO 2021002109 A1 20210107 - FUJI XEROX CO LTD [JP] & US 2022075298 A1 20220310 - KUGE HIDEKI [JP], et al
• [Y] US 9266348 B1 20160223 - LEFEVRE JASON MATTHEW [US]

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 4070962 A1 20221012; EP 4070962 B1 20240724; JP 2022161064 A 20221021

DOCDB simple family (application)
EP 22163176 A 20220321; JP 2021065587 A 20210408