

Title (en)

INKJET PRINTING APPARATUS AND INKJET PRINTING APPARATUS CONTROL METHOD

Title (de)

TINTENSTRAHLDRUCKVORRICHTUNG UND TINTENSTRAHLDRUCKVORRICHTUNGSTEUERUNGSVERFAHREN

Title (fr)

APPAREIL D'IMPRESSION À JET D'ENCRE ET PROCÉDÉ DE COMMANDE D'APPAREIL D'IMPRESSION À JET D'ENCRE

Publication

**EP 3466690 B1 20200603 (EN)**

Application

**EP 17802617 A 20170516**

Priority

- JP 2016105876 A 20160527
- JP 2017018273 W 20170516

Abstract (en)

[origin: EP3466690A1] Provided are an inkjet printing apparatus and an inkjet printing apparatus control method capable of limiting the reduction in image quality of an image that is printed with an intervening interruption. The inkjet printing apparatus is provided with: a conveyance means for conveying a print medium in the conveyance direction; ink-discharging units provided so that the range of placement of each of multiple printing element rows overlaps with another printing element row in the width direction and is separated therefrom in the conveyance direction; and a control means for causing the ink-discharging units to perform image printing operations in which the multiple printing elements discharge ink to print an image on the print medium. In the image printing operation, at each position in the conveyance direction and for each position of the width direction in the areas of printing element row overlap, an ink-discharging operation is performed by at least one of the printing elements belonging to the two or more printing element rows. When the printing of an image is interrupted, the control means causes the ink-discharging units to perform an image printing operation on a partial image, which excludes the portions of the image that are not to be printed due to the interruption.

IPC 8 full level

**B41J 2/01** (2006.01); **B41J 2/155** (2006.01); **B41J 2/21** (2006.01); **B41J 13/00** (2006.01)

CPC (source: EP)

**B41J 2/01** (2013.01); **B41J 2/155** (2013.01); **B41J 2/21** (2013.01); **B41J 2/2132** (2013.01); **B41J 2/2146** (2013.01); **B41J 13/0027** (2013.01)

Citation (examination)

WO 2015152177 A1 20151008 - KONICA MINOLTA INC [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

DOCDB simple family (publication)

**EP 3466690 A1 20190410**; **EP 3466690 A4 20190515**; **EP 3466690 B1 20200603**; JP 6969548 B2 20211124; JP WO2017204025 A1 20190322; WO 2017204025 A1 20171130

DOCDB simple family (application)

**EP 17802617 A 20170516**; JP 2017018273 W 20170516; JP 2018519199 A 20170516