Title (en)

INKJET DYEING METHOD

Title (de)

TINTENSTRAHLFÄRBEVERFAHREN

Title (fr)

PROCÉDÉ DE COLORATION À JET D'ENCRE

Publication

EP 3037265 A4 20180110 (EN)

Application

EP 14837343 A 20140822

Priority

- JP 2013172330 A 20130822
- JP 2014004333 W 20140822

Abstract (en)

[origin: EP3037265A1] Provided is an inkjet dyeing method for recording on fiber by ejecting an ink containing a disperse dye from an inkjet head. The inkjet head has two or more rows in which are aligned pressure chambers for generating pressure to discharge internal ink from a nozzle using a pressure applying means operated by the imparting of a drive signal. The pressure chambers are connected to each other through a shared ink chamber. The rows in which the pressure chambers are arranged are divided into N drive groups (where N is an integer of 2 or greater), and a phase difference of nAL+t is applied to drive signals applied to the pressure applying means of the pressure chambers in each drive group. n represents an integer of 1 or greater, AL represents 1/2 of an acoustic resonance period of a pressure wave in a pressure chamber, t represents a pressure wave transmission time period determined by dividing the distance between nozzles in a drive group by the speed at which sound propagates through the ink.

IPC 8 full level

B41J 2/015 (2006.01); **B41J 2/01** (2006.01); **B41J 2/055** (2006.01); **D06B 11/00** (2006.01); **D06C 23/00** (2006.01); **D06P 1/16** (2006.01); **D06P 3/54** (2006.01); **D06P 5/00** (2006.01)

CPC (source: EP)

B41J 2/04581 (2013.01); **B41J 2/04588** (2013.01); **B41J 2/14209** (2013.01); D06P 5/30 (2013.01)

Citation (search report)

- [I] EP 1634705 A1 20060315 - BROTHER IND LTD [JP]
- See references of WO 2015025524A1

Cited by

CN114851711A; EP3118000A4

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 3037265 A1 20160629; **EP 3037265 A4 20180110**; **EP 3037265 B1 20190619**; CN 105473339 A 20160406; CN 105473339 B 20170510; JP 6341206 B2 20180613; JP WO2015025524 A1 20170302; WO 2015025524 A1 20150226

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