

Title (en)  
PRINTING APPARATUS AND PRINTING METHOD

Title (de)  
DRUCKVORRICHTUNG UND DRUCKVERFAHREN

Title (fr)  
IMPRIMANTE ET PROCÉDÉ D'IMPRESSION

Publication  
**EP 3235648 A1 20171025 (EN)**

Application  
**EP 17167548 A 20170421**

Priority  
JP 2016085864 A 20160422

Abstract (en)  
A printing apparatus includes a medium transport portion configured to transport a recording medium in a transport direction, a discharge head configured to discharge liquid droplets each having one size among mutually different sizes onto the recording medium, a head moving portion configured to reciprocate the discharge head in a main scanning direction intersecting with the transport direction, a printer controller serving as a calculation portion configured to analyze the size of each of the liquid droplets and quantities with respect to the liquid droplets on the basis of image data corresponding to an image to be printed on the recording medium to calculate at least one adjustment value to be applied to discharge timing points at each of which a corresponding one of the liquid droplets is discharged, and a controller configured to change the discharge timing points on the basis of the at least one adjustment value.

IPC 8 full level  
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CPC (source: CN EP)  
**B41J 2/04505** (2013.01 - CN); **B41J 2/2121** (2013.01 - EP); **B41J 2/2135** (2013.01 - EP); **B41J 19/145** (2013.01 - EP)

Citation (applicant)  
JP 2009234071 A 20091015 - SEIKO EPSON CORP

Citation (search report)

- [X] US 2009251503 A1 20091008 - KASHIMOTO YUSUKE [JP]
- [A] JP 2002011869 A 20020115 - SEIKO EPSON CORP
- [A] US 2013278661 A1 20131024 - TERADA KOHEI [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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3235648 A1 20171025**; **EP 3235648 B1 20181219**; CN 107303755 A 20171031; CN 107303755 B 20200915; JP 2017193139 A 20171026

DOCDB simple family (application)  
**EP 17167548 A 20170421**; CN 201710255140 A 20170418; JP 2016085864 A 20160422