

Title (en)  
INKJET RECORDING DEVICE

Title (de)  
TINTENSTRAHLAUFZEICHNUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF D'ENREGISTREMENT À JET D'ENCRE

Publication  
**EP 2682268 A1 20140108 (EN)**

Application  
**EP 12754537 A 20120305**

Priority  
• JP 2011047355 A 20110304  
• JP 2012055585 W 20120305

Abstract (en)  
The problem addressed is recording in a manner such that glossiness is sufficient. As a means for solving the problem, an inkjet recording device (1) is provided with: a carriage (4) capable of moving in a principal scanning direction (S); an inkjet head (5) that is mounted on the carriage (4) and discharges ink drops; an ultraviolet illumination device (6) that is mounted on the carriage and projects ultraviolet rays; and an air-aspirating means (12, or 18) for aspirating air on the media (M) side, or a ventilation means (14, or 16) for blowing gas toward the media (M) side. Therein, the ultraviolet illumination device (6) has a plurality of UVLEDs (63) arranged in the secondary scanning direction (F) in a recess (62) formed in the underside surface thereof, and has a plate-shaped partition (64) extending in the principal scanning direction between neighboring UVLEDs (63). When recording with clear ink, UVLEDs (63e-63h), which project ultraviolet rays on a band corresponding to the location of a second discharge region (A2) of the inkjet head (5) for discharging clear ink, are turned off. As a result, it is possible to record in a glossy manner.

IPC 8 full level  
**B41J 2/01** (2006.01); **B41J 2/21** (2006.01); **B41J 11/00** (2006.01); **B41J 29/377** (2006.01)

CPC (source: EP KR US)  
**B41J 2/01** (2013.01 - KR); **B41J 2/2114** (2013.01 - EP US); **B41J 11/00214** (2021.01 - EP US); **B41J 11/0022** (2021.01 - EP US); **B41J 29/377** (2013.01 - EP KR); **B41M 7/0081** (2013.01 - EP)

Cited by  
EP3470233A1

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)  
**WO 2012121218 A1 20120913**; CN 103596762 A 20140219; CN 103596762 B 20160525; EP 2682268 A1 20140108; EP 2682268 A4 20150128; EP 2682268 B1 20170215; KR 101549564 B1 20150903; KR 20130135900 A 20131211

DOCDB simple family (application)  
**JP 2012055585 W 20120305**; CN 201280021736 A 20120305; EP 12754537 A 20120305; KR 20137023558 A 20120305