

Title (en)
INKJET PRINTER

Title (de)
TINTENSTRAHLDRUCKER

Title (fr)
IMPRIMANTE À JET D'ENCRE

Publication
EP 3170666 A1 20170524 (EN)

Application
EP 15821367 A 20150709

Priority
• JP 2014147444 A 20140718
• JP 2015069765 W 20150709

Abstract (en)
Provided is an inkjet printer, which limits reduction in work efficiency without deterioration of formed image quality. The inkjet printer is equipped with: a conveyor unit for conveying a print medium (P) on a conveyor surface in the conveyance direction; an ink-discharging section for discharging ink from nozzle openings on a nozzle surface that faces the conveyor surface; a vertical motion unit for changing the distance of the ink-discharging section from the conveyor surface; a measurement section (113) for measuring the floating distance of the print medium at a measurement position at a prescribed separation distance (L1) on the up-stream side of the ink-discharging section in the conveyance direction; a vertical motion control section for causing, when the floating distance reaches at least a first distance (H1) and after a prescribed period from the floating detection timing has elapsed, the vertical motion unit to perform, on the basis of the separation distance and the print medium conveyance speed, a retracting motion of moving the ink-discharging section to a position (H3) where the nozzle surface does not contact the floating portion while said floating portion is conveyed into a range that faces the ink-discharging section; and a discharge control section for continuing ink discharge until the retracting motion start timing.

IPC 8 full level
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CPC (source: EP)
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Cited by
CN112497918A; US11318758B2; US10752026B2; EP3713767A4; US11597222B2

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