Title (en)

INKJET HEAD DRIVING METHOD AND INKJET PRINTING APPARATUS

Title (de)

TINTENSTRAHLKOPFANTRIEBSVERFAHREN UND TINTENSTRAHLDRUCKVORRICHTUNG

Title (fr)

PROCÉDÉ D'ENTRAÎNEMENT DE TÊTE À JET D'ENCRE ET APPAREIL D'IMPRESSION À JET D'ENCRE

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Application

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Abstract (en)

The purpose of the present invention is to provide an inkjet head driving method and an inkjet printing apparatus that can suppress reduction of productivity while limiting occurrence of satellites and are capable of high quality image printing even when multiple droplets are discharged in a one-pixel period to form a large dot on the medium. The drive signal, when applying a discharging pressure on a liquid in a pressure chamber by applying the drive signal on a pressure-generating means to discharge droplets from a nozzle, comprises at least two kinds of drive signals, a first drive signal (PA) for discharging a droplet and a second drive signal (PB) for discharging a large droplet at a relatively slower speed than the first drive signal (PA). Pixels of dots obtained from droplets on a medium are formed by applying N of the second drive signals (PB) and applying the first drive signal (PA) at least at the end of a one-pixel period to discharge droplets from the same nozzle; N is an integer of at least 1.

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