

Title (en)  
DETERMINING A PULSE TIMING FUNCTION FOR A LINEAR PRINTHEAD

Title (de)  
BESTIMMUNG EINER IMPULSZEITSTEUERUNGSFUNKTION FÜR EINEN LINEAREN DRUCKKOPF

Title (fr)  
DÉTERMINATION D'UNE FONCTION DE SYNCHRONISATION DES IMPULSIONS POUR UNE TÊTE D'IMPRESSION LINÉAIRE

Publication  
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Application  
**EP 22157341 A 20180614**

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- US 201715635596 A 20170628
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- US 2018037435 W 20180614

Abstract (en)  
A method is described for controlling a printhead including an array of light sources. An aim exposure function is provided which gives an aim exposure as a function of an integer pulse count. An initial pulse timing function is also provided which defines an exposure time as a function of pulse count. A light output function for the light sources is determined responsive to the pulse timing function, wherein the light output function gives a light output of the light sources as a function of exposure time. The pulse timing function is updated responsive to the light output function and the aim exposure function. The process is repeated until a predefined iteration termination criterion is satisfied. The determined pulse timing function is used to control the printhead, wherein each light source is activated for a pulse count corresponding to a pixel code value of an associated image pixel.

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Citation (applicant)  

- US 9147232 B1 20150929 - KUO CHUNG-HUI [US], et al
- US 7830569 B2 20101109 - TAI HWAI-TZUU [US], et al
- US 7079281 B1 20060718 - NG YEE S [US], et al
- US 7079287 B1 20060718 - NG YEE S [US], et al
- US 8824907 B2 20140902 - KUO CHUNG-HUI [US], et al
- US 201615135607 A 20160422

Citation (search report)  

- [X] US 2004046976 A1 20040311 - OHNO SEIJI [JP], et al
- [A] US 2005062831 A1 20050324 - ISHIBASHI HIDEYASU [JP], et al

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