

Title (en)
ELECTROSTATIC PRINT HEAD

Publication
EP 0395448 A3 19910821 (EN)

Application
EP 90304653 A 19900427

Priority
US 34515289 A 19890428

Abstract (en)
[origin: EP0395448A2] Each of the plurality of styli contained in an electrostatic print head (101, 102, 103, 104) and used for placing an electrostatic charge on a dielectric coated medium has a rectangular cross section. The thickness of the cross section is selected such that the difference between the lowest voltage on the stylus at which the amount of electrical charge deposited on the dielectric medium for any increase in voltage on the stylus increases substantially in a linear fashion and the lowest voltage on the stylus at which an unwanted background image is formed on the medium is selected to have a value equal to or less than a selected number. The thickness can be selected to minimize this difference or to ensure that the electrostatic print head (101, 102, 103, 104) performs for some minimum lifetime or to ensure that the distance (d) between adjacent styli in the print head is selected such that current flowing from a stylus having a print voltage applied thereto to a directly adjacent stylus with a lower voltage applied thereto is below a selected number.

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G03G 15/044; **B41J 2/395**

IPC 8 full level
B41J 2/395 (2006.01); **G01D 15/06** (2006.01); **G03G 15/32** (2006.01)

CPC (source: EP)
B41J 2/395 (2013.01); **G03G 15/325** (2013.01)

Citation (search report)

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