

Title (en)
Ink jet recording device

Title (de)
Tintenstrahlaufzeichnungsgerät

Title (fr)
Dispositif d'enregistrement à jet d'encre

Publication
EP 0755790 A1 19970129 (EN)

Application
EP 95202047 A 19950725

Priority
EP 95202047 A 19950725

Abstract (en)
The device comprises a recording head (1) with a substantially linear array of nozzles (19) for the emission of droplets (45) of ink. Deflection means (25,27) for electrically charging and electrostatically deflecting the emitted droplets (45) are arranged in front of each nozzle (19) and the device further comprises transportation means (7,9) for transporting a record carrier (11) in such a manner that a surface of the record carrier faces the nozzles and moves in a direction (13) transverse to the array of the nozzles. The recording device is a droplet on demand recording device, each nozzle (19) communicating with a pressure chamber (17) associated with actuator means (15) for emitting an ink droplet (45) only when a predetermined signal is applied to the actuator means. The deflection means (25,27) are conceived to deflect the droplets over a range of angles in a direction substantially parallel to the array of the nozzles (19) and deflection control means (39) are provided to control the angle of deflection of the droplets so that the entire width of the record carrier (11) can be covered with ink droplets (45) from a single array of nozzles. <IMAGE>

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B41J 2/075; **B41J 2/115**

IPC 8 full level
B41J 2/06 (2006.01); **B41J 2/075** (2006.01); **B41J 2/085** (2006.01); **B41J 2/09** (2006.01); **B41J 2/115** (2006.01)

CPC (source: EP KR)
B41J 2/075 (2013.01 - EP KR); **B41J 2/115** (2013.01 - EP); **B41J 2/115** (2013.01 - KR)

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