

Title (en)

Record head for an electrostatic ink jet recorder

Title (de)

Aufzeichnungsköpfe für eine elektrostatische Tintenstrahlaufzeichnungsvorrichtung

Title (fr)

Tête d'enregistrement pour un dispositif d'enregistrement à jet d'encre

Publication

EP 0813966 B1 19991027 (EN)

Application

EP 97250184 A 19970614

Priority

JP 15589596 A 19960617

Abstract (en)

[origin: EP0813966A2] A record head for an electrostatic ink jet recorder of the present invention is formed with undulation having a high aspect ratio thereon. Channels formed between nearby ridges due to the undulation are used as ink passageways. This allows the ridges to form convex ink menisciuses stably at all times at their front ends or ejection points, and thereby insures stable ejection of ink drops. Moreover, ink fed to the front ends of the ridges is constantly circulated by way of an ink collecting member. The circulation of the ink maintains the toner content of the ink uniform throughout the ejection points, and prevents the toner particles from excessively concentrating on the ejection points where ink ejection does not occur. <IMAGE>

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IPC 8 full level

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