

Title (en)

Recording method in ink jet printer

Title (de)

Aufzeichnungsverfahren für einen Tintenstrahldrucker

Title (fr)

Procédé d'enregistrement pour une imprimante à jet d'encre

Publication

EP 0931668 A2 19990728 (EN)

Application

EP 99101491 A 19990127

Priority

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Abstract (en)

An ink jet printer and its recording method. A control for varying a feeding pitch of a recording sheet and a control of ink ejecting of each nozzle are performed. On the condition that there is no common divisor between the number of nozzles n and a pitch interval between nozzles m and that a relationship of $n=pm+q$ ($p \geq 1, m \geq 2, 1 \leq q \leq m-1$) is satisfied, recording operation is performed as follows: after all $m \times n$ lines are recorded by one pitch feed, n pitch feed is performed while only the nozzles not overlapping the recorded lines are allowed to eject ink. After the n pitch feed is performed $m-1$ times, each n pitch feed is performed while all the nozzles are allowed to eject the ink. All the recorded lines are recorded without being overlapped or generating any gap. No non-recorded area is generated in a top end of the recording sheet. The effect use of recording sheet and the enlargement of recorded area can be realized. At the i -th ($1 \leq i \leq m-1$) n pitch feed, $\frac{n}{m} + 1$ nozzles, represented by Gauss' notation, from the downstream side (terminal end) in the recording sheet feeding direction are allowed to eject the ink. <IMAGE>

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