

Title (en)
Ink jet apparatus

Title (de)
Tintenstrahlgerät

Title (fr)
Appareil à jet d'encre

Publication
EP 0774355 A3 19971119 (EN)

Application
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Abstract (en)
[origin: EP0774355A2] An ink jet apparatus includes a plurality of ink chambers each having a front end and a rear end, a manifold provided to introduce ink into each ink chamber with a front side surface on a side near the front end of each ink chamber, and a nozzle provided at the front end of each ink chamber. Ink is jetted from the nozzle by applying pressure to the ink contained in each ink chamber. A position of the manifold is such that a distance between the front side surface of the manifold and the rear end of each ink chamber is set to 0.2mm or more, and a distance between the front side surface of the manifold and the nozzle is set to 3mm or more. Accordingly, pressure necessary for jetting ink droplets can be maintained for a relatively long period of time. Therefore, the ink can be smoothly introduced from the manifold into each ink chamber, thereby improving print quality. <IMAGE>

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• [A] EP 0364136 A2 19900418 - AM INT [US]
• [A] EP 0522814 A2 19930113 - TOKYO ELECTRIC CO LTD [JP]
• [A] EP 0513971 A2 19921119 - TOKYO ELECTRIC CO LTD [JP]
• [AD] US 4887100 A 19891212 - MICHAELIS A JOHN [US], et al

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