

Title (en)

Printhead performance tuning via ink viscosity adjustment.

Title (de)

Abstimmung der Druckknopfleistung durch Regelung der Tintenviskosität.

Title (fr)

Fonctionnement d'une tête d'impression accordé par ajustement de la viscosité de l'encre.

Publication

EP 0389738 A2 19901003 (EN)

Application

EP 90100366 A 19900109

Priority

US 32921889 A 19890327

Abstract (en)

The drop stability of a pen employed in an ink-jet printer and having a plurality of nozzles (12) in a nozzle plate (10) is increased by increasing the viscosity of the ink. For inks comprising water/glycols, the increase in viscosity is easily accomplished by increasing the ratio of glycol to water. In one ink, a 20 % increase in glycol concentration resulted in a 50 % increase in viscosity and a decrease in the variation of angular misdirection by 43 %.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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B41J 2002/14475 (2013.01)

Cited by

EP1195257A1; EP3424718A1; DE4141203A1; US5389962A; DE4223707A1; US5754202A; US10661565B2; US6428135B1; US7879408B1;
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