

Title (en)

Thermal ink jet recording head temperature control.

Title (de)

Temperatursteuerung für thermischen Tintenstrahlaufzeichnungskopf.

Title (fr)

Réglage de la température pour tête d'enregistrement thermique à jet d'encre.

Publication

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Application

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Priority

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- JP 4477392 A 19920302

Abstract (en)

According to this invention, upon execution of recording by ejecting an ink droplet from a recording head, a surrounding temperature sensor for measuring the surrounding temperature is provided to a main body side, and a change in temperature of the head is presumed from the past to the present time by calculation processing, so that optimal temperature control can be performed without arranging a head temperature sensor having a correlation with the head temperature. At this time, the ejection quantity can be stabilized by changing the pulse width of a driving signal on the basis of the presumed head temperature, and ejection can be stabilized by performing restoration processing. <IMAGE>

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IPC 8 full level

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Cited by

US5477245A; EP0934829A3; EP0811490A3; US5422665A; US5917509A; EP0605207A1; US6109718A; US6698862B1; US5576745A; CN1106288C; US5424767A; AU2003275788B2; CN100386207C; EP0694394A1; EP0626265A3; US6086180A; US5764246A; EP0626262A3; EP0678385A1; US5975669A; US6139125A; EP0838333A3; US6193344B1; US6302509B1; US6439690B2; US6252616B1; WO2004048100A1; US7407271B2; US6247777B1; EP1022139A2; US6328407B1

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