

ABSTRACT OF THE DISCLOSURE

INK-JET APPARATUS AND METHOD OF ESTIMATING AND
CONTROLLING TEMPERATURE OF INK-JET HEAD THEREOF

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In an ink-jet apparatus for forming images through
use of an ink-jet head (21) provided with a plurality of
ink ejection heaters (4001, 4002, 4003, 4004) with respect
to only one ejection orifice (5029), an accurate
10 estimation of temperature of the ink-jet head is made
possible by controlling ink-ejection amount in a step-by-
step manner. For this purpose, there is provided a device
for counting frequency of use of the plurality of heaters
within a predetermined period of time independently for
15 each combination of the heaters for ejecting different
amount of ink (in steps S1002, S1003), and a combining
device for adding a correction value to each of the thus
counted value on the basis of the heater driving
condition, and converting the total value into the energy
20 applied within a predetermined period (in steps S1008,
S1004 and S1005).

