

Title (en)

Method and apparatus for operating a heat source in a reproduction machine.

Title (de)

Verfahren und Vorrichtung zum Betrieb einer Heizquelle in einem Kopiergerät.

Title (fr)

Procédé et appareil pour actionner une source de chaleur dans une machine à copier.

Publication

EP 0006553 A1 19800109 (EN)

Application

EP 79101972 A 19790615

Priority

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Abstract (en)

Method and apparatus for operating and regulating a heat source (103) in a reproduction machine, particularly for a fuser in a copier. The machine is operable in at least 3 modes, a warm-up, a stand-by, and a copy mode. The amount of energy supplied to the heat source (103) depends on the present mode of the machine and the actual temperature T of the fuser: The supplied power is at level P1 during the warm-up mode until $T \geq T_1$ (T_1 is a given temperature). Then, power is reduced to P2. In stand-by mode, power is increased to $P_2 + \Delta P_1$, if $T < T_2$ (T_2 is a given operating temperature), and decreased to $P_2 - \Delta P_1$, if $T \geq T_2$. In the copy mode, power is increased to $P_2 + \Delta P_2$ if $T \leq T_2$ and increased to $P_2 + \Delta P_3$ if $T > T_2$.

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CPC (source: EP US)

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Citation (search report)

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