

Title (en)

Method for determining a time-varying temperature of at least one temperature-critical component

Title (de)

Verfahren zur Bestimmung einer zeitvariablen Temperatur von mindestens einer temperaturkritischen Komponente

Title (fr)

Procédé de détermination d'une température à temps variable d'au moins un composant à temps critique

Publication

**EP 2442184 A1 20120418 (EN)**

Application

**EP 10290560 A 20101015**

Priority

EP 10290560 A 20101015

Abstract (en)

In a method for determining a time-varying temperature of at least one temperature-critical component of an electrophotography apparatus, especially a laser printer, a laser fax device and/or as a laser copying machine, with the electrophotography apparatus being arranged to be operated in at least two operating modes (21 ## 27), it is proposed that during the operation of the electrophotography apparatus the time-varying temperature of the temperature-critical component is determined in temporally directly successive time intervals (3) in such a way that in substantially each of the time intervals (3) a temperature value (1) of the temperature-critical component is determined at the end (33) of said time interval (3) depending on the temperature value (1) of the temperature-critical component at the beginning (32) of said time interval (3), on an estimated ambient temperature value, and the on the operating mode of the operating modes (21 ## 27), in which operating mode the electrophotography apparatus is operated during said time interval (3), and that the temperature value (1) of the temperature-critical component and the estimated ambient temperature value are determined at the beginning (32) of the first time interval (31) of the time intervals (3).

IPC 8 full level

**G03G 15/20** (2006.01); **G03G 21/20** (2006.01)

CPC (source: EP)

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Citation (search report)

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Designated contracting state (EPC)

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