

Title (en)

Functional evaluation method and apparatus for maintenance automation of an image forming apparatus

Title (de)

Verfahren und Vorrichtung zur funktionellen Erfassung für die Wartungsautomation eines Bilderzeugungsgeräts

Title (fr)

Procédé et dispositif d'évaluation fonctionnelle pour l'automatisation de la maintenance d'un appareil de formation d'images

Publication

**EP 0811890 A1 19971210 (EN)**

Application

**EP 97303424 A 19970520**

Priority

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Abstract (en)

A functional evaluation method and apparatus for an image forming apparatus are provided which are capable of performing functional evaluation on a plurality of functional systems such as an image formation system and a sheet transportation system in the image forming apparatus in a totalized manner for fault repair. A functional system to be subjected to functional evaluation is represented by a physical parameter model, a functional modifier configuration utilizing an FBS diagram and a functional modifier, and a functional quantity for relating the physical parameter model and the functional modifier configuration. The function manifestation level of the functional system of interest is evaluated in a state where data indicative of the state of the functional system outputted from sensors are fitted to the parameter model. If the function manifestation level is low, it is judged that a fault occurs, and a parameter is retrieved from the parameter model for improvement of the function manifestation level. Therefore, the functional evaluation of a plurality of functional systems can be performed in a totalized manner. <IMAGE>

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**G03G 15/00**

IPC 8 full level

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Citation (search report)

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