

Title (en)

Sheet transportation device having self-repair function

Title (de)

Blatttransportvorrichtung mit Selbstreparaturfunktion

Title (fr)

Dispositif de transport de feuilles muni d'une fonction d'autoréparation

Publication

EP 0809155 A1 19971126 (EN)

Application

EP 97303422 A 19970520

Priority

JP 12584796 A 19960521

Abstract (en)

A sheet transportation device is provided which has a self-repair function and is capable of performing functional maintenance for sheet transportation. The sheet transportation device includes a plurality of transportation-related units (8) disposed in a predetermined order to define a transportation path (7) and each having a function of autonomously performing a sheet transportation-related operation on the basis of a control sequence applied thereto. Predetermined physical quantities concerning the respective transportation-related units (8) are sensed and the sensed physical quantities are stored as those indicative of the states of the transportation-related units (8). If any of the states of the transportation-related units (8) thus stored corresponds to a particular state, e.g., a faulty state, a control sequence is prepared by utilizing the states of the transportation-related units (8) and knowledge information concerning a sheet and the transportation path (7). The control sequence prepared in consideration of the states of the transportation-related units (8) is applied to the transportation-related units (8) for implementation of a self-repair function. <IMAGE>

IPC 1-7

G03G 15/00

IPC 8 full level

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CPC (source: EP KR)

G03G 15/55 (2013.01 - EP); **G03G 21/1695** (2013.01 - KR)

Citation (search report)

- [A] US 5502544 A 19960326 - CAROLAN KEVIN M [US]
- [A] EP 0476681 A2 19920325 - MITA INDUSTRIAL CO LTD [JP]
- [A] US 5053815 A 19911001 - WENDELL MICHAEL J [US]
- [A] EP 0583928 A2 19940223 - XEROX CORP [US]
- [A] US 5018718 A 19910528 - MATSUNO JUNICHI [JP], et al
- [A] EP 0259144 A2 19880309 - XEROX CORP [US]
- [DA] PATENT ABSTRACTS OF JAPAN vol. 016, no. 396 (P - 1407) 21 August 1992 (1992-08-21)

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