

Title (en)

PAGE IMAGE AND FAULT TOLERANCE CONTROL APPARATUS FOR PRINTING SYSTEMS

Title (de)

APPARAT ZUR STEUERUNG DES SEITENBILDES UND DER FEHLERTOLERANZ FÜR DRUCKSYSTEME

Title (fr)

APPAREIL DE MISE EN PAGE D'IMAGES ET D'AJUSTEMENT DE LA TOLERANCE D'ERREUR POUR DES SYSTEMES D'IMPRESSION

Publication

**EP 0765232 A1 19970402 (EN)**

Application

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Priority

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Abstract (en)

[origin: WO9632272A1] A page image and fault tolerance control apparatus for print heads which may be implemented as a single digital head control ASIC. The head control ASIC provides the following major functions: 1) Reads the data for the print head from a page or band memory; 2) Provides image data to the print head at the correct timing; 3) Records which blocks of nozzles contain faulty nozzles or drive circuits; 4) Provides the correct data for the main or redundant nozzles depending on the fault status; 5) Determines the number of actuators that are on in any phase so that the power supply can be compensated; 6) Generates timing signals for power supply time dependence; 7) Provides fault status information to the print head; 8) Generates the clock for the print head; and 9) Generates the enable signals for the print head.

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