Title (en)

Ink-jet printer nozzle defect detection method and device

Title (de)

Verfahren und Vorrichtung zum Nachweis von Tintenstrahldruckerdüsenfehlern

Title (fr)

Méthode et dispositif pour la détection de défauts dans les buses d'imprimantes par jet d'encre

Publication

**EP 0988990 A2 20000329 (EN)**

Application

**EP 99307507 A 19990922**

Priority

JP 26788398 A 19980922

Abstract (en)

A method and device designed to detect any defects in ink-jet nozzles such as blinding, satellite of ink, ink drop mislocation and uneven printing, wherein a test pattern 15 is printed on a test recording medium 3 with a printing head 4 and the said test pattern is scanned by sensor means 1 to capture an image of a column of ink drops 16 in the test pattern as a group 18, the image being processed to determine the average area of the ink drops, their X direction edge positions or Y direction center-to-center distances for comparison with specified criteria to judge any failure in the ink jetting on a group basis. <IMAGE>

IPC 1-7

**B41J 29/393**

IPC 8 full level

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CPC (source: EP)

**B41J 2/2142** (2013.01)

Citation (applicant)

- JP 2708439 B2 19980204
- JP 2712168 B2 19980210
- JP H06198866 A 19940719 - CANON KK

Cited by

EP2093066A1; CN114211878A; CN115214234A; CN109849521A; EP1531051A3; CN115384208A; CN106457835A; US7419230B2; WO02081214A3; WO03082587A1; US7815274B2

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