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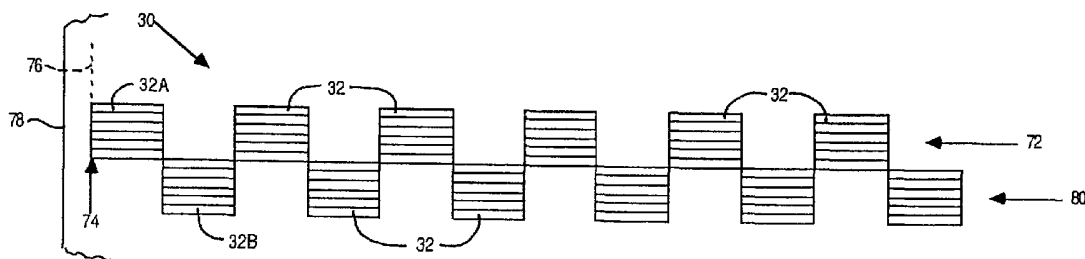
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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: HIGH-SPEED, HIGH-RESOLUTION COLOR PRINTING APPARATUS AND METHOD



(57) Abstract: Stationary print heads (30) employ an array of print heads that are reoriented 90 degrees relative to their conventional orientation such that the nozzle arrays (32) in each print head (30) are aligned perpendicular to the direction of print media movement. The reoriented print heads are positioned in at least first and second rows (72,80) with the print heads in the first row (72) spaced apart across the width of a printable image area. The print heads in the second row (80) are similarly spaced apart but offset from the print heads in the first row. As the print medium continuously moves through the printer, the first and second rows (72, 80) of print heads print a wide swath comprising an entire linear row of dots across the width of the print medium. Continuously moving the print media, without conventional incremental movements or bidirectional print head scanning provides significantly increased printing speed and improved dot placement accuracy.

WO 2003/097361 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/15267

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B41J 29/38, 2/15, 2/155, 2/21

US CL : 347/9, 12, 13, 40-43,

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 347/9, 12, 13, 40/43

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST TEXT SEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,345,879 B1 (Fisher) 12 February 2002 (12.02.2002)	
A	US 6,254,218 B1 (Suzuki et al) 03 July 2001 (03.07.2001)	
A	US 6,350,011 B1 (Karlinski) 26 February 2002 (26.02.2002)	
A	US 6,293,651 B1 (Sawano) 25 September 2001 (25.09.2001)	
Y	US 5,812,153 A (Watanabe et al) 22 September 1998 (22.09.1998), column 6, lines 49-62.	9, 10, 19, 20
X	US 6,257,699 B1 (Tracy et al) 10 July 2001 (10.07.2001), column 4, lines 8-48.	1-8, 11-18
X	US 4,864,328 A (Fischbeck) 05 September 1989 (05.09.1989), column 5, lines 11-58.	1-8, 11-18
X	US 6,328,418 B1 (Yamada et al) 11 December 2001 (11.12.2001), column 11, lines 1-65.	1-8, 11-18
X	US 5,975,679 A (Nicoloff, Jr. et al) 02 November 1999 (02.11.1999), column 3, lines 41-67 and column 4, lines 1-51.	1-8, 11-18

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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PCT/US03/15267

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,793,392 A (Tschida) 11 August 1998 (11.08.1998), Figures 4A-5C, column 8, lines 30-67 and column 9, lines 1-44.	1-8, 11-18