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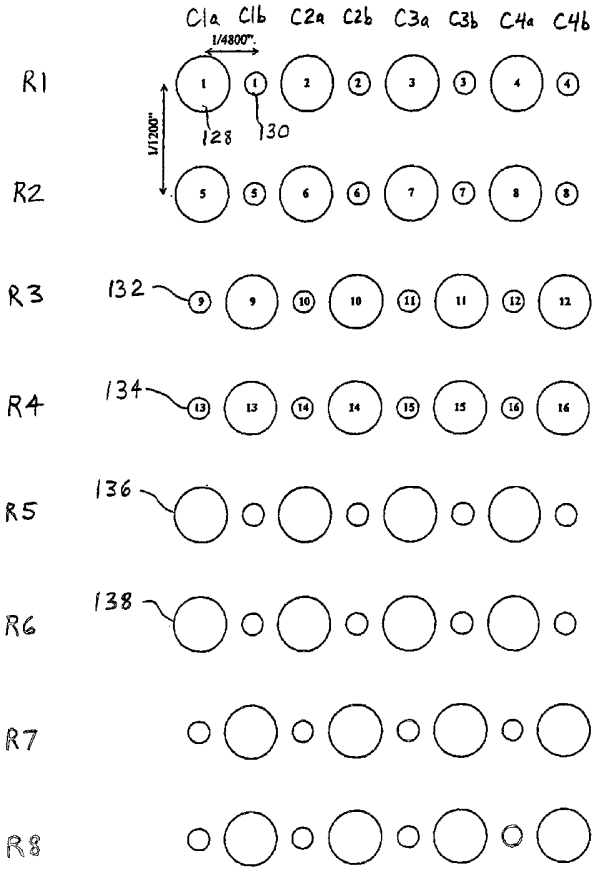
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[Continued on next page]

(54) Title: IMPROVED SUBCOVERED PRINTING MODE FOR A PRINTHEAD WITH MULTIPLE SIZED EJECTORS



(57) Abstract: A method of printing with an ink jet printer (14) includes providing a printhead (26,28) having a plurality of first nozzles with a first size and a plurality of second nozzles with a second size larger than the first size. The first nozzles and the second nozzles are alternatingly disposed in a vertical direction. Print data corresponding to first columns of pixel locations is provided. The print data includes for each pixel location in the first columns both a respective large dot print datum (128) and a respective small dot print datum (130). One of the respective large dot print datum and the respective small dot print datum is printed at a first pixel location of the corresponding pixel locations in the first columns. Second columns of pixel locations interleaved with the first columns of pixel locations are provided. The other of the respective large dot print datum and the respective small dot print datum not printed in said first pixel location of the first columns is printed at a first pixel location of the second columns of pixel locations.

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A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 347/15, 40, 41, 43

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
USPTO APS EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,030,065 A (FUKUHATA) 29 February 2000 (29.02.2000), column 4, lines 14-54.	1-26

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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