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(54) Title: EJECTION OF DROPS HAVING VARIABLE DROP SIZE FROM AN INK JET PRINTER

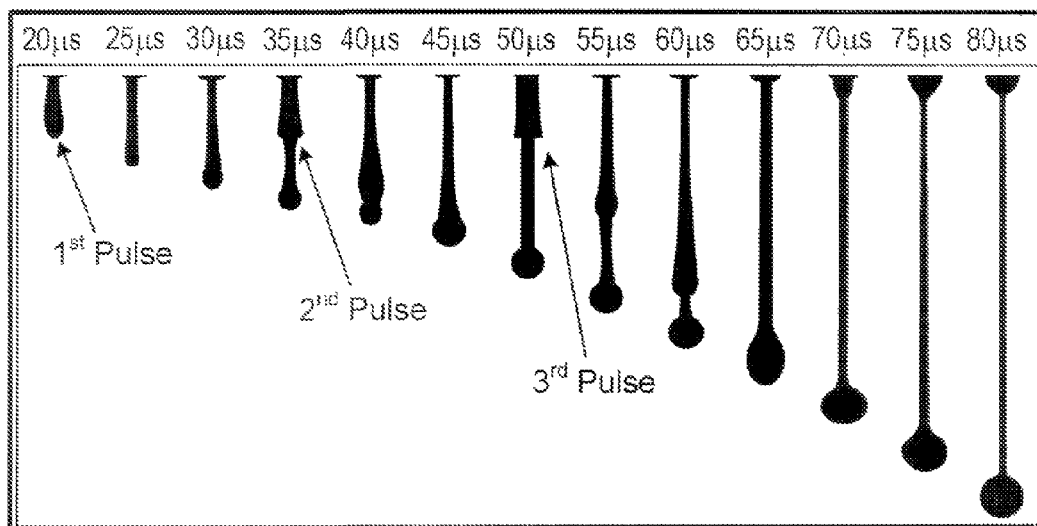


FIG. 7

(57) Abstract: A method for causing ink to be ejected from an ink chamber of an inkjet printer includes causing a first bolus of ink to be extruded from the ink chamber; and following lapse of a selected interval, causing a second bolus of ink to be extruded from the ink chamber. The interval is selected to be greater than the reciprocal of the fundamental resonant frequency of the chamber, and such that the first bolus remains in contact with ink in the ink chamber at the time that the second bolus is extruded.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B FIELDS SEARCHED
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 IPC(8): B41J 2/205 (2008.04)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 USPC: 347/62, 63, 64, 67 and all classes as limited by search terms below

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 PUBWEST(USPT,PGPB,EPAB,JPAB); Google Scholar
 Search Terms Used: ink jet, drop, bolus, eject, extrude, printer, variable size, resonant frequency

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 4,513,299 A (Lee et al.) 23 April 1985 (23.04.1985); fig 1, 4, 5, 7, col 3 ln 10-14, col 4 ln 38 - col 5 ln 30)	1-21

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