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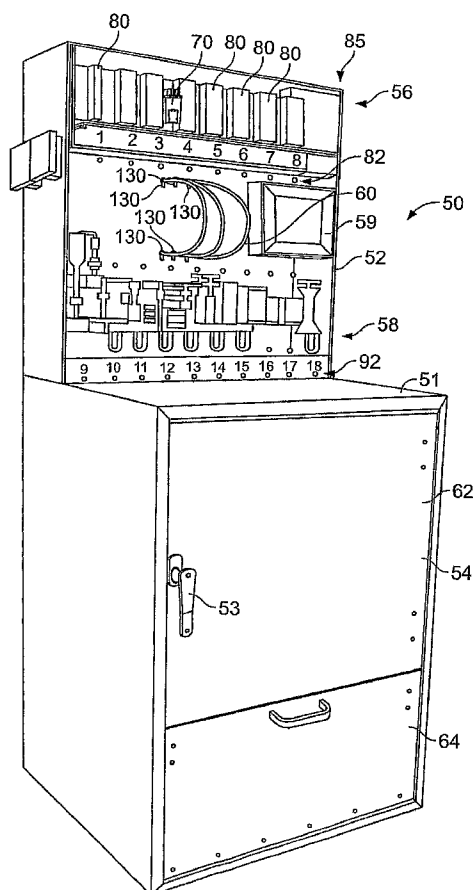
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- (71) **Applicant:** **TONERHEAD, INC.** [US/US]; 1809 South Route 31, Mchenry, IL 60050 (US).
- (72) **Inventor:** **NICODEM, Harry;** PO Box 640, 4909 West Route 12, Richmond, IL 60071 (US).
- (74) **Agent:** **BEISER, Robert;** Vedder Price Kaufman & Kammholz, 222 N. Lasalle Street, Chicago, IL 60601 (US).

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(54) **Title:** INKJET CARTRIDGE MAINTENANCE AND REFILL DEVICE AND METHOD



(57) **Abstract:** A black and color inkjet cartridge testing and refilling device and method of use thereof. The device includes a testing station (56) and a refilling station (58) to be used in conjunction with an interface to guide a user through the steps associated with refilling an inkjet cartridge. The device includes waste ink storage, an ink refill supply (55), and house stickers and clips for placement on refilled cartridges to prevent drying. The device includes steps to guide a user through an initial determination of a capacity to refill the type of cartridge desired. The automated control system of the device provides users with help through cleaning procedures, test printing procedures, and purge operations.



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A CLASSIFICATION OF SUBJECT MATTER

IPC **B41J** 2/175(2006 01),2/17(2006 **01**),**B65B** 1/04(2006 01)

USPC 347/84,85,86,141/2

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 347/84,85,86,141/2

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 (search terms ink cartridge, refill station, testing station, resupply, refurb πsh, and interface)

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X,P --- Y ₁ P	US 2006/0109320 A1 (CUTLER et al) 25 May 2006 (25 05 2006), abstract, paragraphs [0007], [0015], [0023] - [0025], [0047], [0048], [0057] - [006 1], [0072] - [0074], [0086], [0087], [0091], [0093], [0099], [0101], and [0105]	1-5, 8-12, 17-43, 47, and 48 ----- 6, 7, 13-15, and 44-46
X --- Y	US 2004/0263589 A1 (ANSIER et al) 30 December 2004 (30 12 2004), abstract, paragraphs [0009], [0012], [0028], [0029], [0032], [0035], [0040], and [0052]	4, 5, 8, 10, 11, and 16 ----- 1-3, 6-7, 9, 12-15, and 17-48
Y	US 2004/0040614 A1 (SESEK et al) 4 March 2004 (04 03 2004), paragraphs [0032] and [0033]	1
Y	US 2005/0034777 A1 (NICODEM et al) 17 February 2005 (17 02 2005), paragraphs [00 14], [0015], [0028] - [0030], [0034] -[0036], [0039], [0040], [0044], [0050], [0053] - [0055], and [0065]	1-3, 6-7, 9, 12-15, and 17-48



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P O Box 1450

Alexandria, Virginia 22313-1450

Facsimile No (571) 273-3201

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STEPHEN D MEIER

Telephone No (571) 272-2800

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/0191878 A1 (SHIRLEY) 09 October 2003 (09.10.2003), claims 10, 11, and 14.	13-15 and 44-46
Y	US 2086643 (SHEARER) 13 July 1937 (13.07. 1937), claim 3.	6 and 7
Y	US 2004/0263569 A1 (ROS et al.) 30 December 2004 (30.12.2004), paragraph [0008].	6 and 7
E	US 2007/0052740 A1 (GUHSE et al.) 08 March 2007 (08.03.2007), entire document.	1-48