

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 April 2003 (10.04.2003)

PCT

(10) International Publication Number
WO 03/029005 A2

(51) International Patent Classification⁷: **B41J**

505 Seville Avenue, Naperville, IL 60565 (US). **DONATO, Daniel, F.**; 912 Stratford Lane, Mundelein, IL 60060 (US).

(21) International Application Number: PCT/US02/29457

(22) International Filing Date:
17 September 2002 (17.09.2002)

(74) Agents: **COHEN, Eric, D.** et al.; Welsh & Katz, Ltd., 120 South Riverside Plaza, 22nd Floor, Chicago, IL 60606 (US).

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/969,114 1 October 2001 (01.10.2001) US
10/001,364 25 October 2001 (25.10.2001) US

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

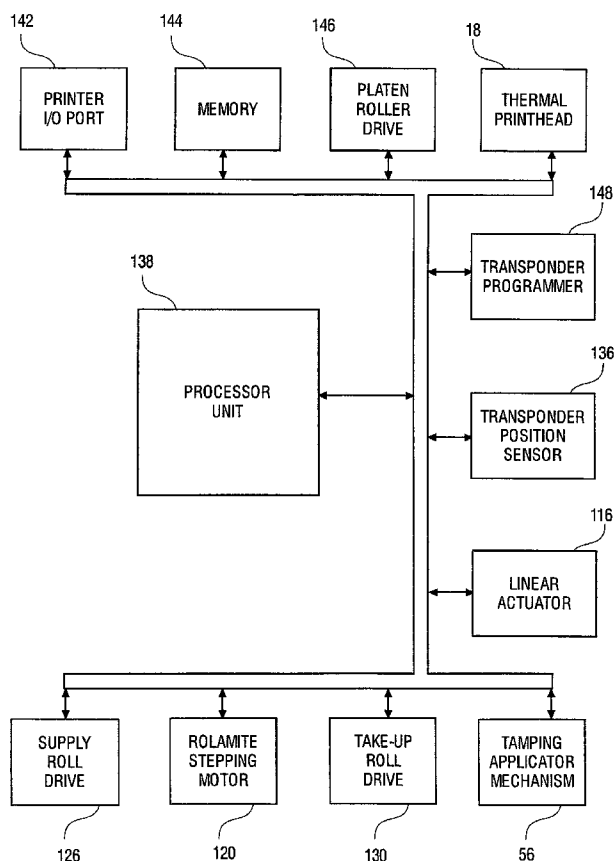
(71) Applicant: **ZIH CORP.** [US/US]; 1201 Market Street, Wilmington, DE 19801 (US).

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

(72) Inventors: **HOHBERGER, Clive, P.**; 630 Vernon Avenue, #5, Glencoe, IL 60022 (US). **REAM, Matthew, R.**;

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR ASSOCIATING ON DEMAND CERTAIN SELECTED MEDIA AND VALUE-ADDING ELEMENTS



(57) Abstract: A media printer such as, for example, a thermal transfer media printer is disclosed. In one embodiment, the printer selectively programs RFID transponders, and then embeds them into conventional on-demand printed media between the adhesive layer and the release liner. Selective configuration of each printed media sample by addition of value-adding elements may be performed independently for each media sample, under software control during processing of each media sample format print control program. An add-on mechanism is disclosed that can be operatively attached to a conventional media printer. This allows value-adding elements such as RFID transponder labels to be selectively applied at precise location son the printed surface of on-demand printed media in connection with existing printers.

WO 03/029005 A2



ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *without international search report and to be republished upon receipt of that report*