



(12) **United States Patent**
Kiani et al.

(10) **Patent No.:** **US 8,688,265 B2**
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(54) **PROCESSING OF UNDELIVERABLE AS ADDRESSED MAIL**

(58) **Field of Classification Search**
None
See application file for complete search history.

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(56) **References Cited**

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U.S. PATENT DOCUMENTS

(73) Assignee: **Trinity Technical Group, Inc.,**
Arlington, TX (US)

5,422,821 A 6/1995 Allen et al.
5,703,783 A * 12/1997 Allen et al. 700/213
6,508,365 B1 1/2003 Cacace-Bailey et al.
6,826,548 B2 11/2004 Hungerpiller et al.
6,888,084 B1 * 5/2005 Bayer 209/584

(Continued)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 80 days.

OTHER PUBLICATIONS

(21) Appl. No.: **13/777,494**

U.S. Appl. No. 13/305,420, filed Nov. 28, 2011, Kiani, Shahrom et al.

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(Continued)

(65) **Prior Publication Data**

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Assistant Examiner — Yolanda Jones

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(74) *Attorney, Agent, or Firm* — DeLizio Gilliam, PLLC

Related U.S. Application Data

(57) **ABSTRACT**

(63) Continuation of application No. 13/647,370, filed on Oct. 8, 2012, now Pat. No. 8,412,372, which is a continuation of application No. 13/305,420, filed on Nov. 28, 2011, now Pat. No. 8,311,667, which is a continuation of application No. 12/108,681, filed on Apr. 24, 2008, now Pat. No. 8,086,346.

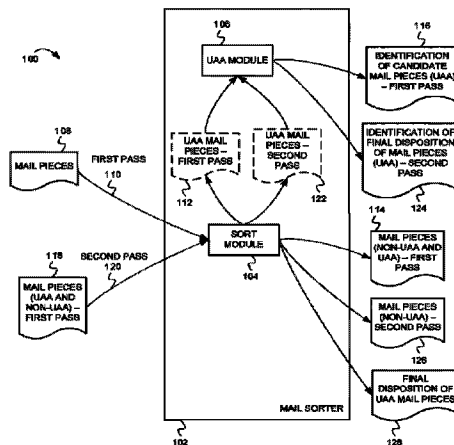
A computerized method includes sorting mail that comprises a multiple pass mail sort operation, wherein the multiple pass mail sort operation for a mail piece that is undeliverable as addressed comprises performing a first pass of the multiple pass mail sort operation, wherein performing the first pass comprises capturing data to identify a feature of the mail piece. The multiple pass mail sort operation also includes generating a first fingerprint for the mail piece between performing the first pass and performing a second pass of the multiple pass mail sort operation. The multiple pass mail sort operation also includes performing the second pass of the multiple pass mail sort operation. Performing the second pass includes determining a final disposition of the mail piece that is undeliverable as addressed.

(60) Provisional application No. 60/925,874, filed on Apr. 24, 2007.

(51) **Int. Cl.**
G06F 7/00 (2006.01)
G06F 17/00 (2006.01)
G06K 9/00 (2006.01)

(52) **U.S. Cl.**
USPC **700/224; 700/244; 700/226; 700/215;**
700/223; 700/219; 209/584

21 Claims, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,124,948	B2	10/2006	Longacre, Jr. et al.	
7,834,289	B2	11/2010	Orbke et al.	
8,224,479	B2*	7/2012	Caillon	700/223
2002/0087861	A1	7/2002	Segev et al.	
2003/0191651	A1	10/2003	Hungerpillar et al.	
2005/0199717	A1	9/2005	Park et al.	
2006/0080266	A1*	4/2006	Kiani et al.	705/402
2010/0023490	A1*	1/2010	Wilke	707/3
2011/0054667	A1*	3/2011	Caillon	700/215
2012/0072014	A1	3/2012	Kiani et al.	
2013/0030564	A1	1/2013	Kiani et al.	

OTHER PUBLICATIONS

U.S. Appl. No. 13/647,370, filed Oct. 8, 2011, Kiani, Shahrom et al.
U.S. Appl. No. 13/706,982, filed Dec. 6, 2012, Kiani, Shahrom et al.
“*Trinity Technical Group Inc. v. Siemens Industry Inc.* filed in the
U.S. District Court”, Northern District of TX, Dallas Division Case
3:12-cv-04602 (Patent Nos. 8,806,346 and 8,311,667) Nov. 14,
2012, 1 page.
“U.S. Appl. No. 12/108,681 Office Action”, Dec. 23, 2010, 10 pages.
“U.S. Appl. No. 12/181,884 Final Office Action”, Jul. 6, 2011, 12
pages.
“U.S. Appl. No. 12/181,884 Office Action”, Feb. 1, 2011, 12 pages.
“U.S. Appl. No. 12/181,884 Office Action”, Mar. 19, 2012, 12 pages.

* cited by examiner

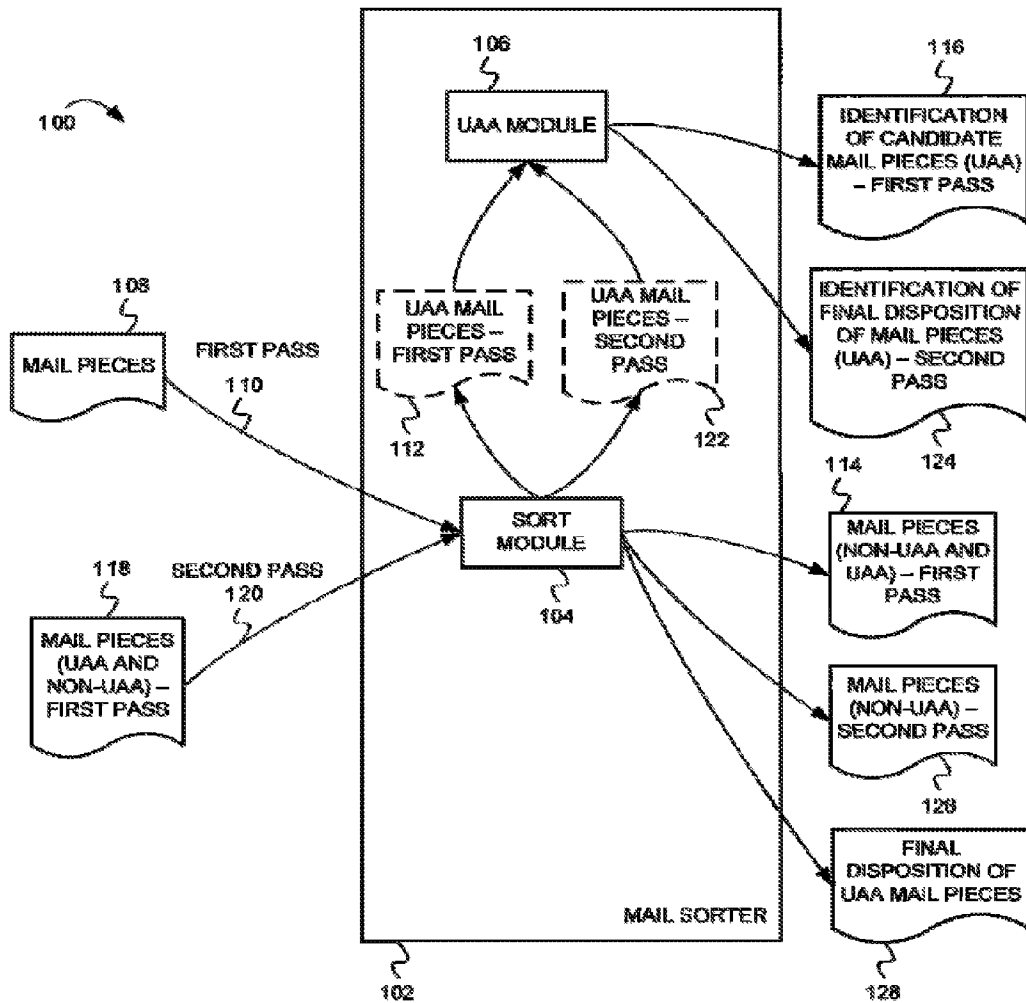


FIG. 1

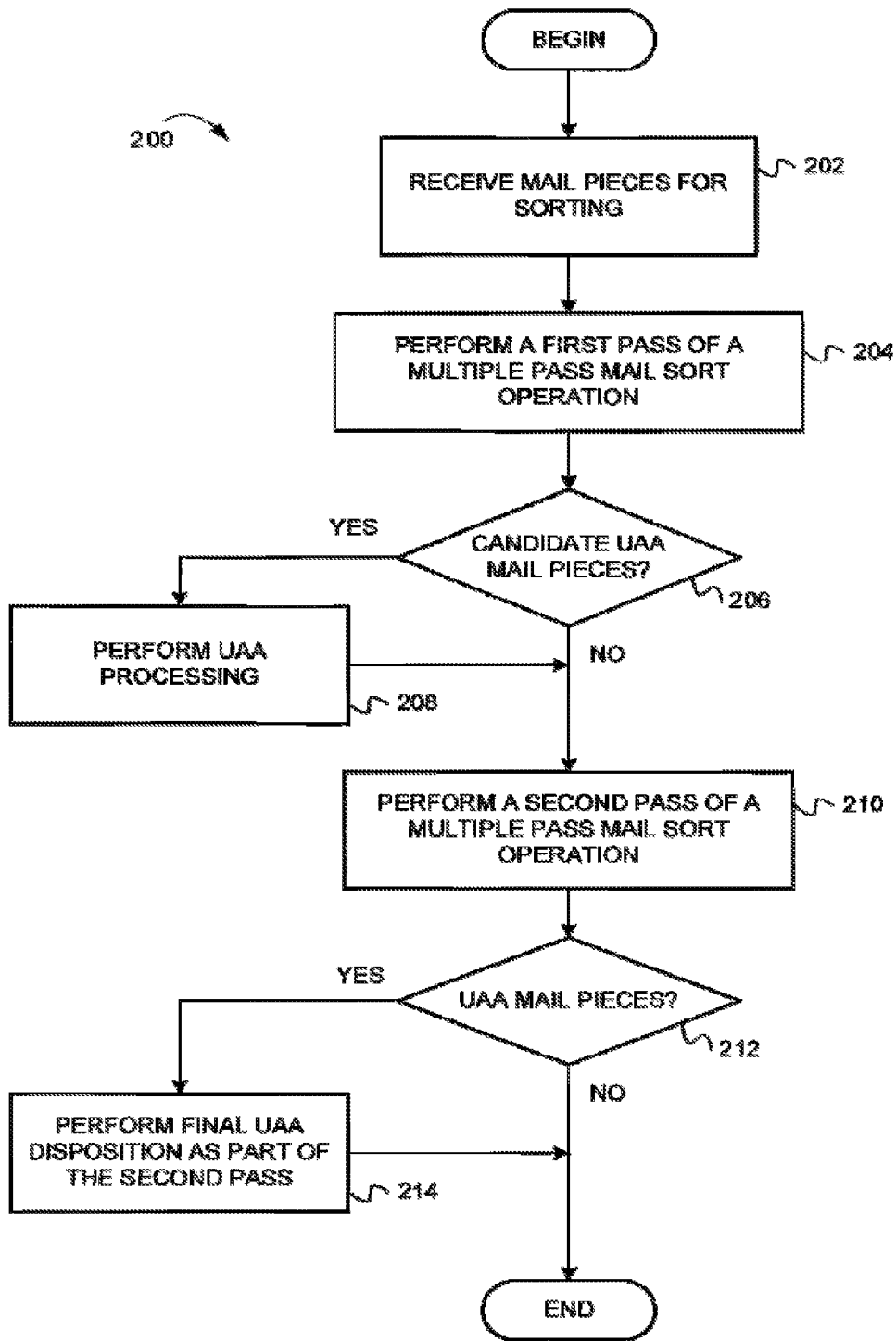


FIG. 2

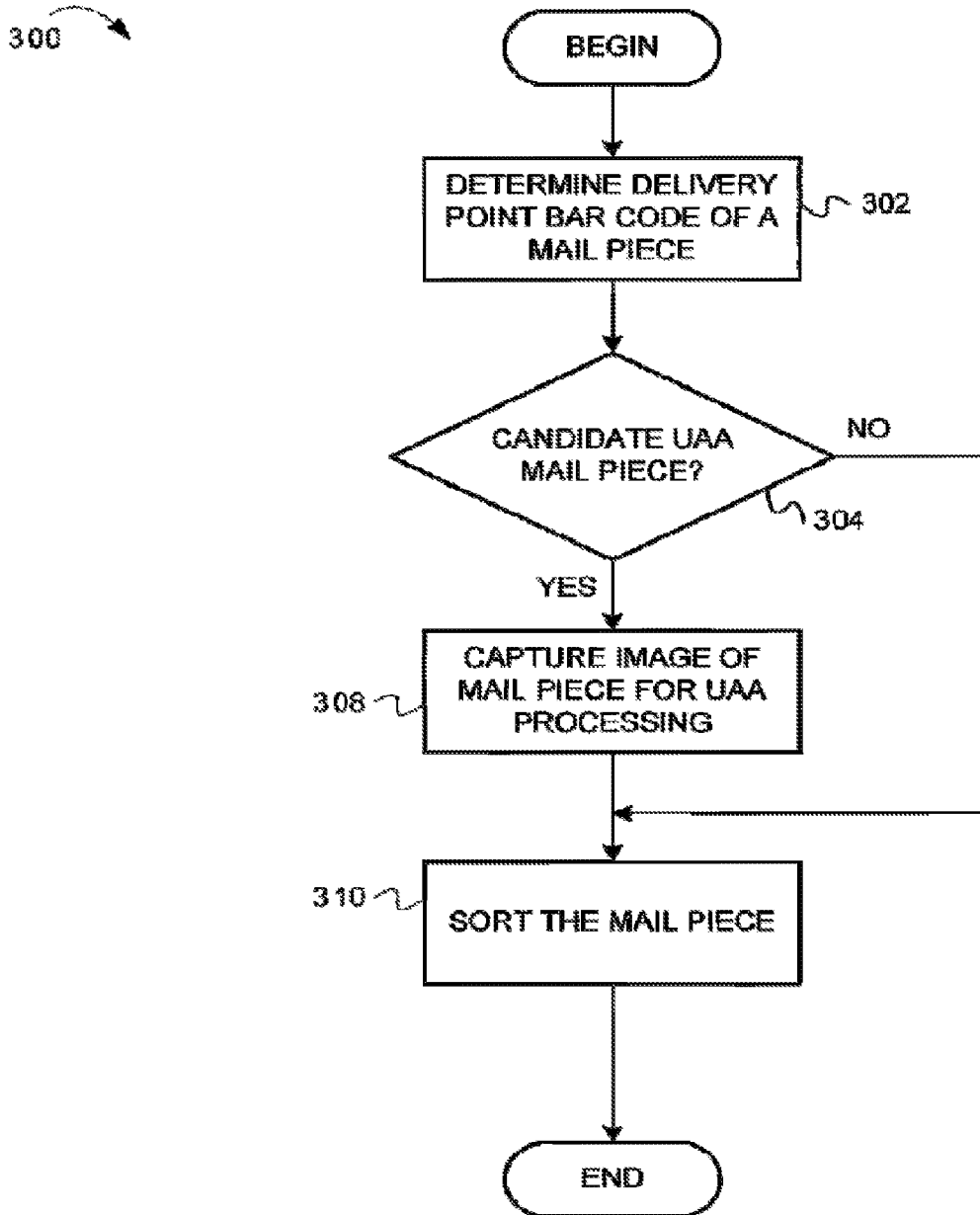


FIG. 3

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