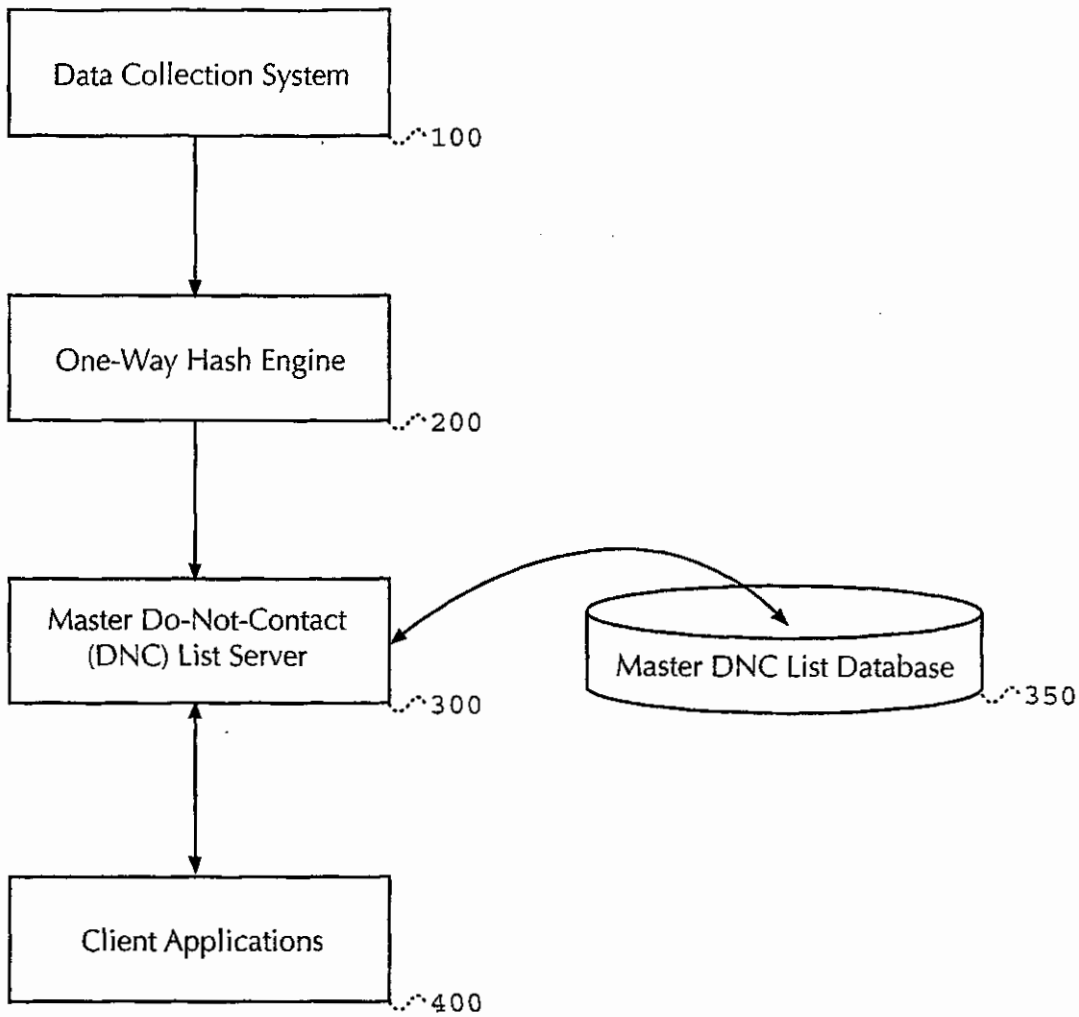

Data Collection System
100
One-Way Hash Engine
200
Master Do-Not-Contact (DNC) List Server
300
Master DNC List Database
350
Client Applications
400

FIG. 1

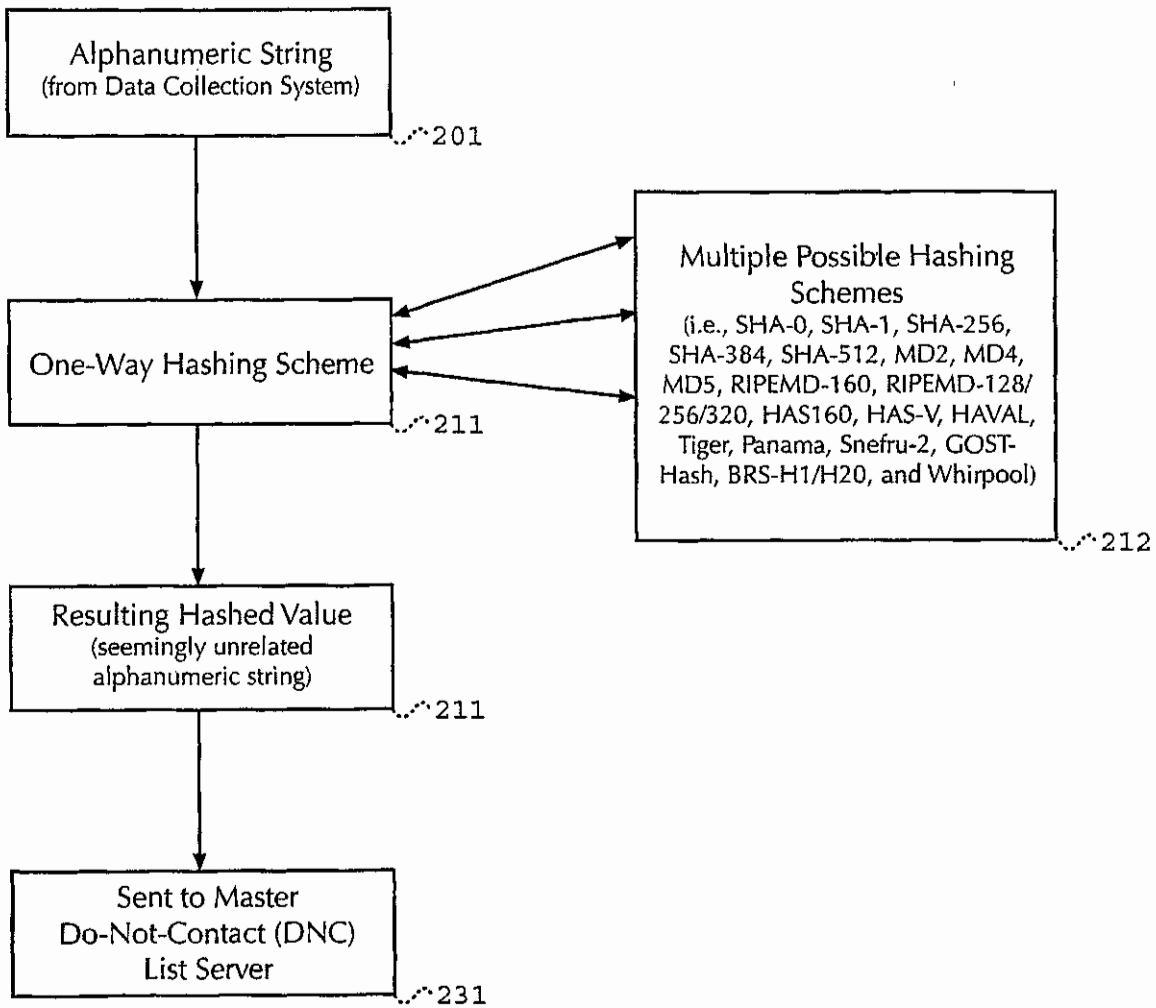

Alphanumeric String
(from Data Collection System)
201
One-Way Hashing Scheme
211
Multiple Possible Hashing Schemes
(i.e., SHA-0, SHA-1, SHA-256, SHA-384, SHA-512, MD2, MD4, MD5, RIPEMD-160, RIPEMD-128/256/320, HAS160, HAS-V, HAVAL, Tiger, Panama, Snefru-2, GOST-Hash, BRS-H1/H20, and Whirpool)
212
Resulting Hashed Value
(seemingly unrelated alphanumeric string)
211
Sent to Master Do-Not-Contact (DNC) List Server
231

FIG. 2

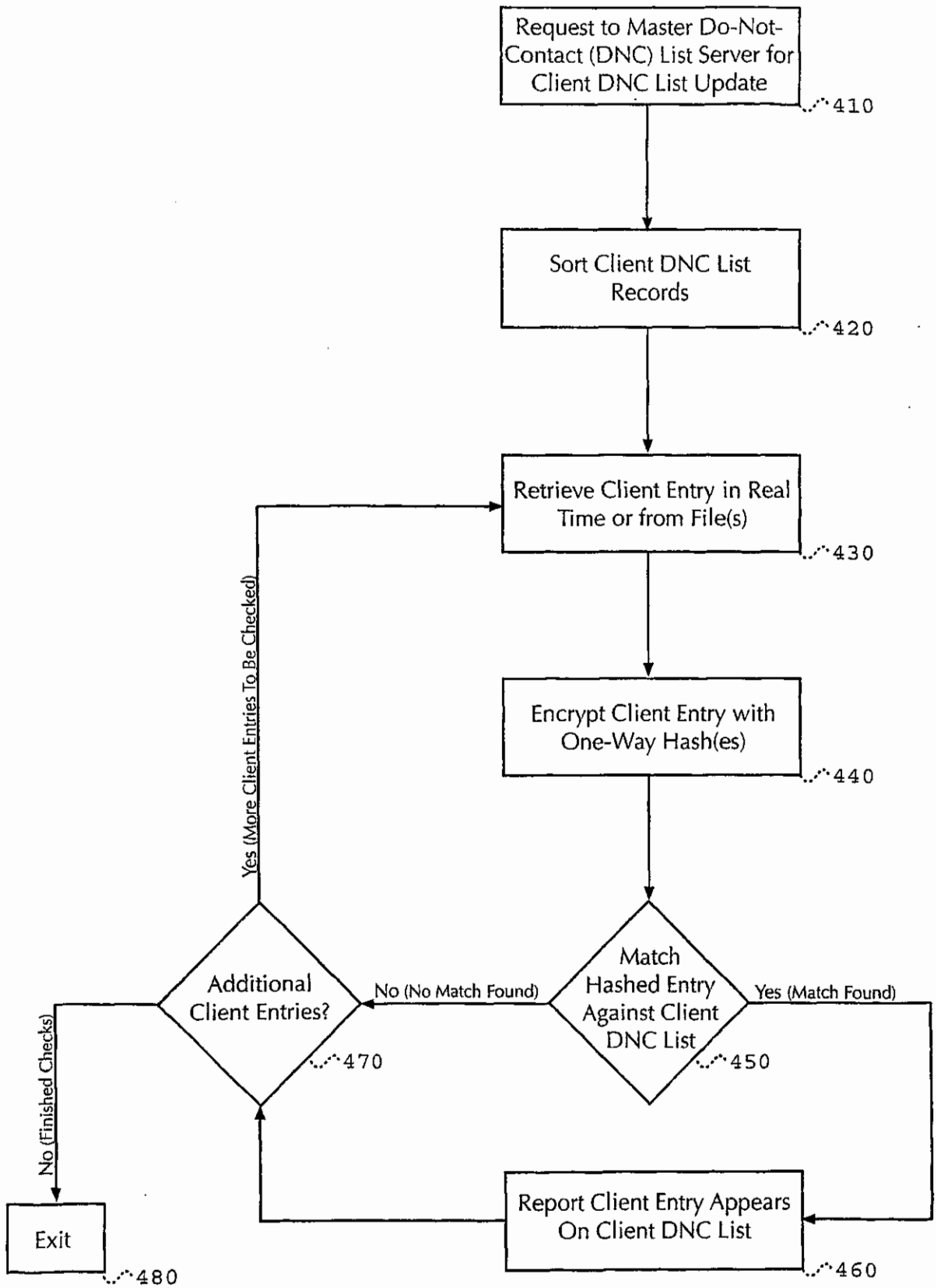

Request to Master Do-Not-Contact (DNC) List Server for Client DNC List Update
410
Sort Client DNC List Records
420
Retrieve Client Entry in Real Time or from File(s)
430
Encrypt Client Entry with One-Way Hash(es)
440
Match Hashed Entry Against Client DNC List
450
Yes (Match Found)
No (No Match Found)
Additional Client Entries?
470
Yes (More Client Entries To Be Checked)
No (Finished Checks)
Exit
480
Report Client Entry Appears On Client DNC List
460

FIG. 3

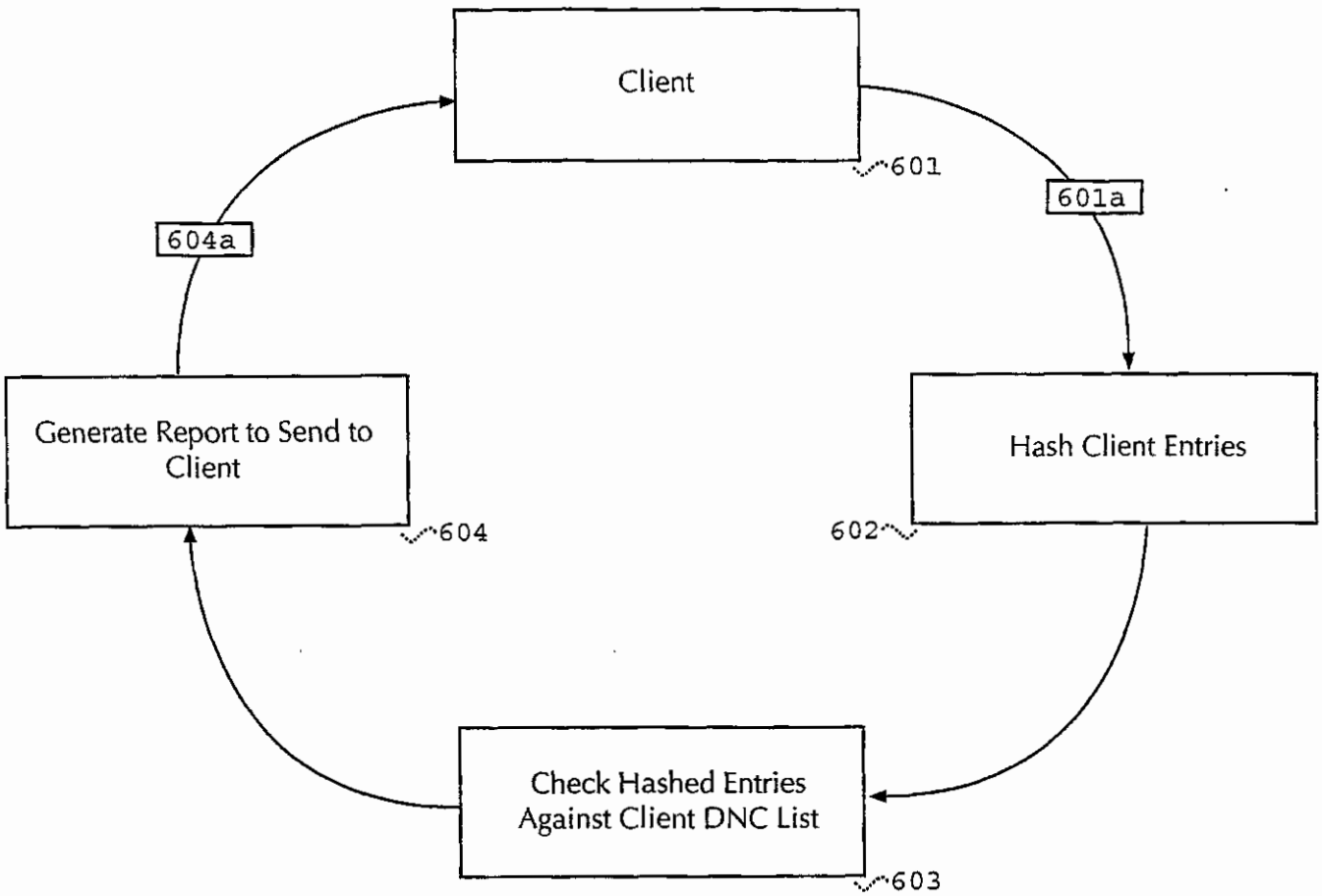

Client
601
601a
Hash Client Entries
602
Check Hashed Entries Against Client DNC List
603
Generate Report to Send to Client
604
604a

FIG. 4

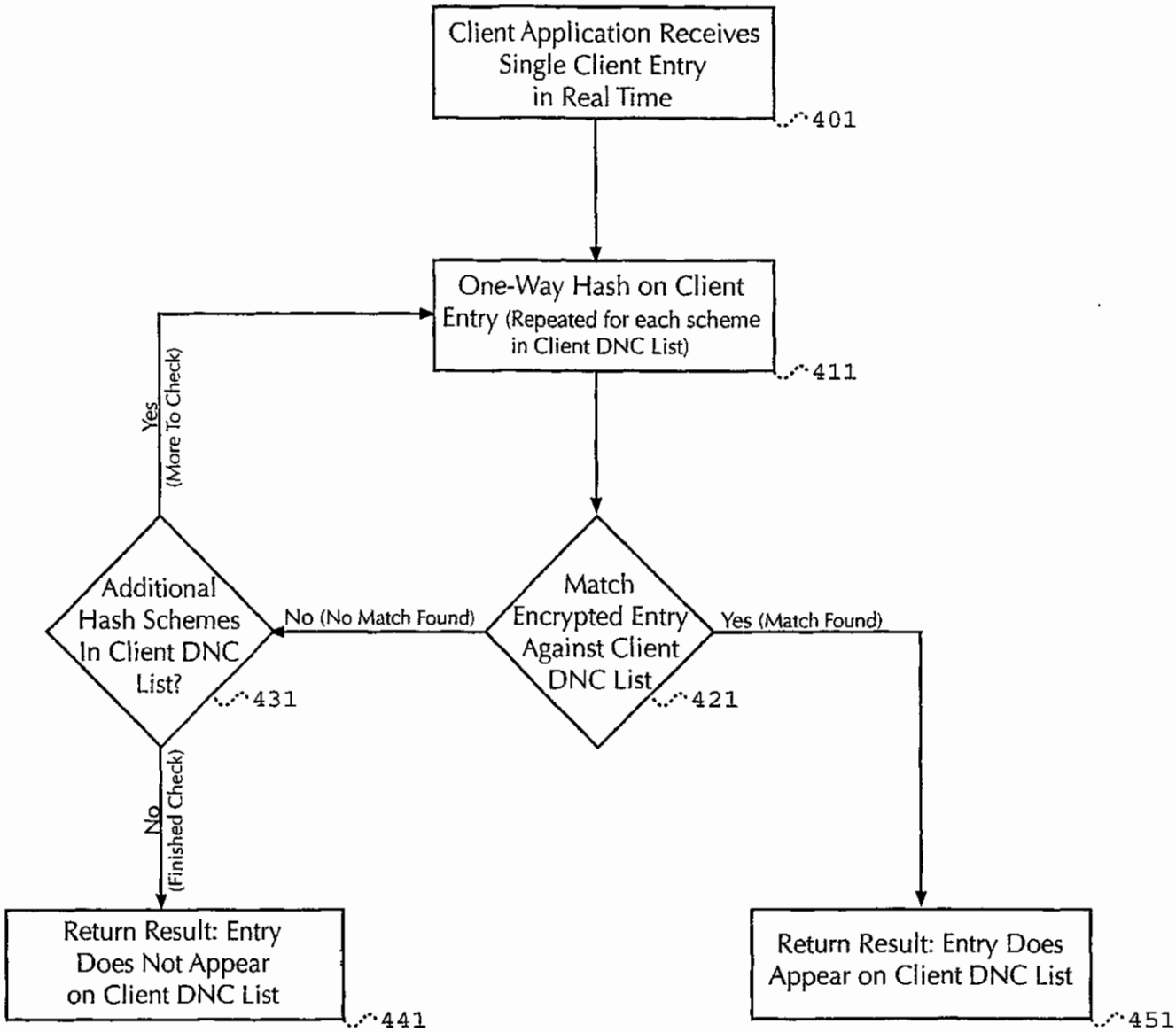

Client Application Receives Single Client Entry in Real Time
401
One-Way Hash on Client Entry (Repeated for each scheme in Client DNC List)
411
Yes (More To Check)
Match Encrypted Entry Against Client DNC List
421
No (No Match Found)
Yes (Match Found)
Additional Hash Schemes In Client DNC List?
431
No (Finished Check)
Return Result: Entry Does Not Appear on Client DNC List
441
Return Result: Entry Does Appear on Client DNC List
451

FIG. 5

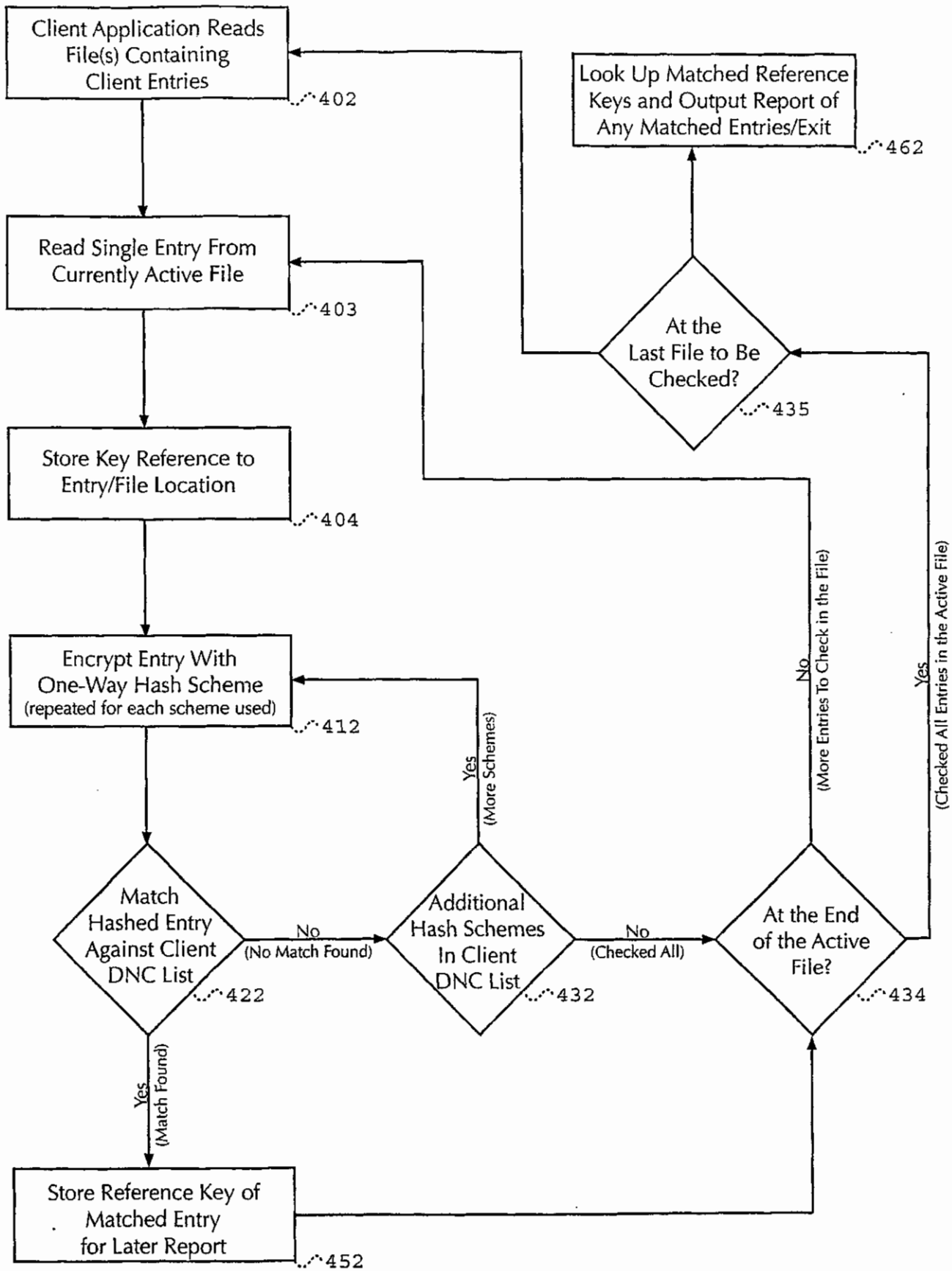

Client Application Reads File(s) Containing Client Entries
402
Read Single Entry From Currently Active File
403
Store Key Reference to Entry/File Location
404
Encrypt Entry With One-Way Hash Scheme (repeated for each scheme used)
412
Match Hashed Entry Against Client DNC List
422
No (No Match Found)
Additional Hash Schemes In Client DNC List
432
Yes (More Schemes)
No (Checked All)
At the End of the Active File?
434
No (More Entries To Check in the File)
Yes (Checked All Entries in the Active File)
At the Last File to Be Checked?
435
Look Up Matched Reference Keys and Output Report of Any Matched Entries/Exit
462
Yes (Match Found)
Store Reference Key of Matched Entry for Later Report
452

FIG. 6

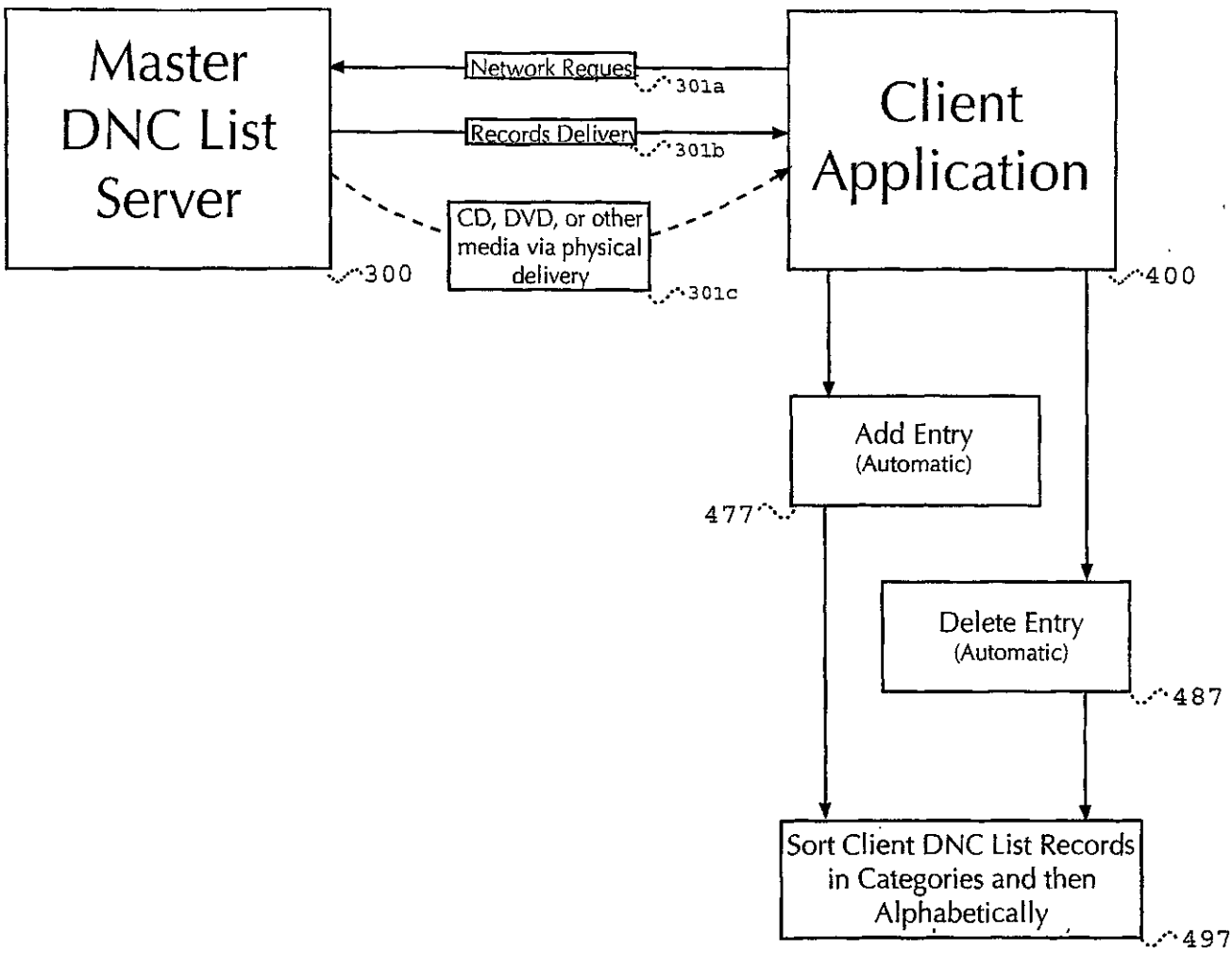

Master DNC List Server
300
Network Request
301a
Records Delivery
301b
CD, DVD, or other media via physical delivery
301c
Client Application
400
Add Entry (Automatic)
477
Delete Entry (Automatic)
487
Sort Client DNC List Records in Categories and then Alphabetically
497

FIG. 7

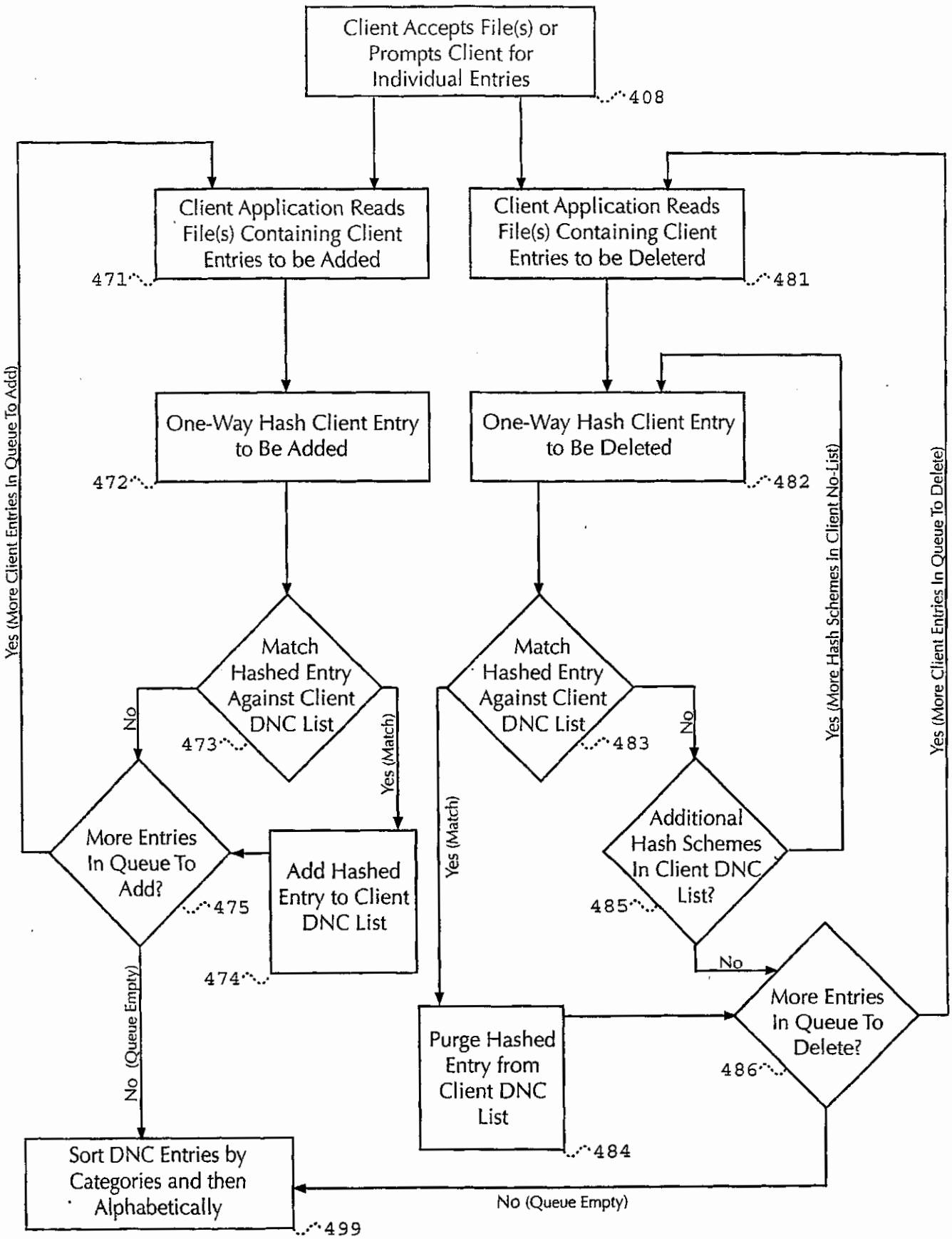

Client Accepts File(s) or Prompts Client for Individual Entries
408
Client Application Reads File(s) Containing Client Entries to be Added
471
Client Application Reads File(s) Containing Client Entries to be Deleterd
481
One-Way Hash Client Entry to Be Added
472
One-Way Hash Client Entry to Be Deleted
482
Match Hashed Entry Against Client DNC List
473
Match Hashed Entry Against Client DNC List
483
No
Yes (Match)
Yes (Match)
No
Yes (More Client Entries In Queue To Add)
Yes (More Hash Schemes In Client No-List)
Yes (More Client Entries In Queue To Delete)
More Entries In Queue To Add?
475
Add Hashed Entry to Client DNC List
474
Additional Hash Schemes In Client DNC List?
485
No
More Entries In Queue To Delete?
486
Purge Hashed Entry from Client DNC List
484
No (Queue Empty)
Sort DNC Entries by Categories and then Alphabetically
499
No (Queue Empty)

FIG. 8

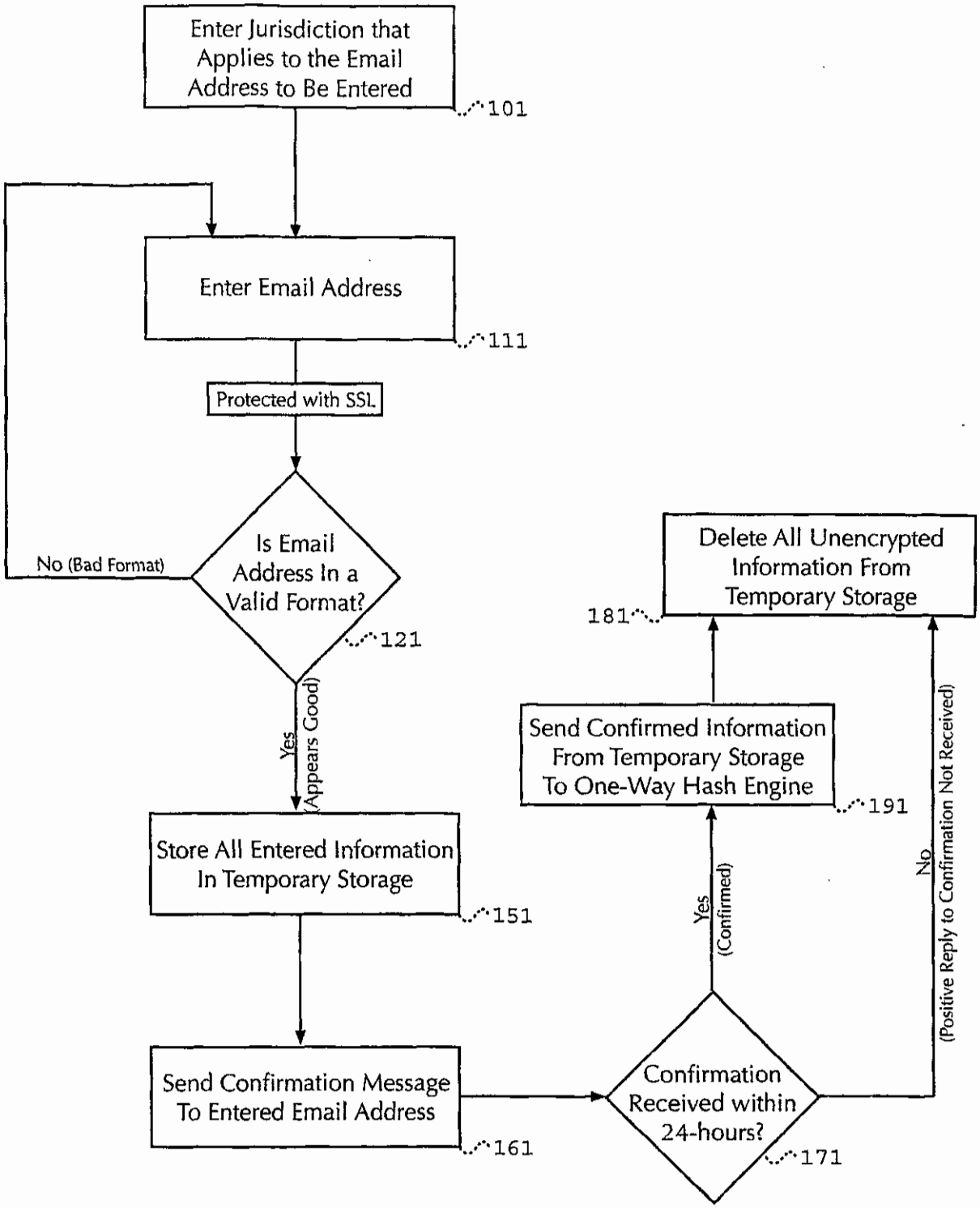

Enter Jurisdiction that Applies to the Email Address to Be Entered
101
Enter Email Address
111
Protected with SSL
Is Email Address In a Valid Format?
121
No (Bad Format)
Yes (Appears Good)
Store All Entered Information In Temporary Storage
151
Send Confirmation Message To Entered Email Address
161
Confirmation Received within 24-hours?
171
Yes (Confirmed)
No (Positive Reply to Confirmation Not Received)
Send Confirmed Information From Temporary Storage To One-Way Hash Engine
191
Delete All Unencrypted Information From Temporary Storage
181

FIG. 9

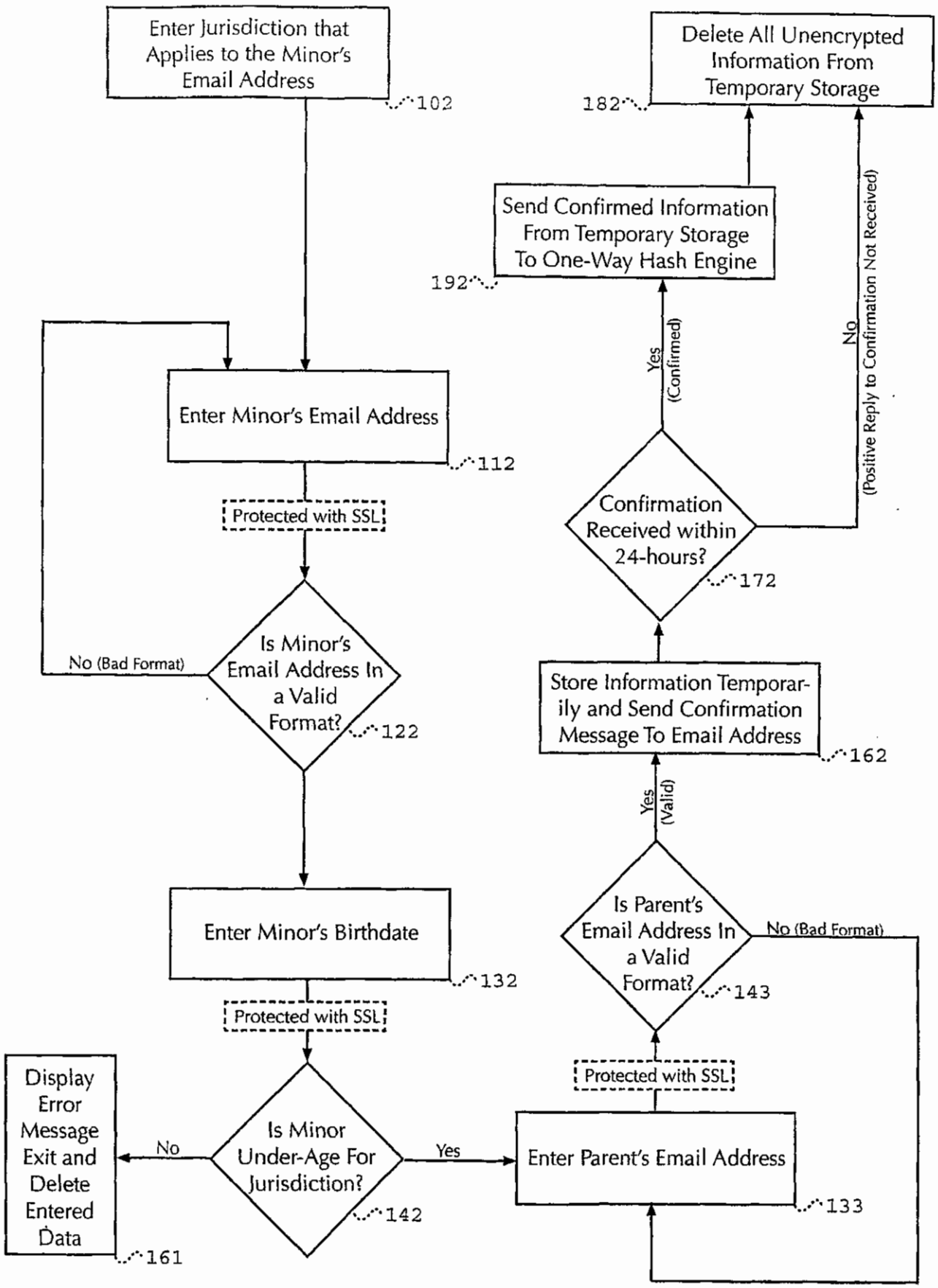

Enter Jurisdiction that Applies to the Minor's Email Address
102
Enter Minor's Email Address
112
Protected with SSL
Is Minor's Email Address In a Valid Format?
122
No (Bad Format)
Enter Minor's Birthdate
132
Protected with SSL
Is Minor Under-Age For Jurisdiction?
142
No
Yes
Display Error Message Exit and Delete Entered Data
161
Protected with SSL
Enter Parent's Email Address
133
Is Parent's Email Address In a Valid Format?
143
No (Bad Format)
Yes (Valid)
Store Information Temporarily and Send Confirmation Message To Email Address
162
Confirmation Received within 24-hours?
172
Yes (Confirmed)
No (Positive Reply to Confirmation Not Received)
Send Confirmed Information From Temporary Storage To One-Way Hash Engine
192
Delete All Unencrypted Information From Temporary Storage
182

FIG. 10

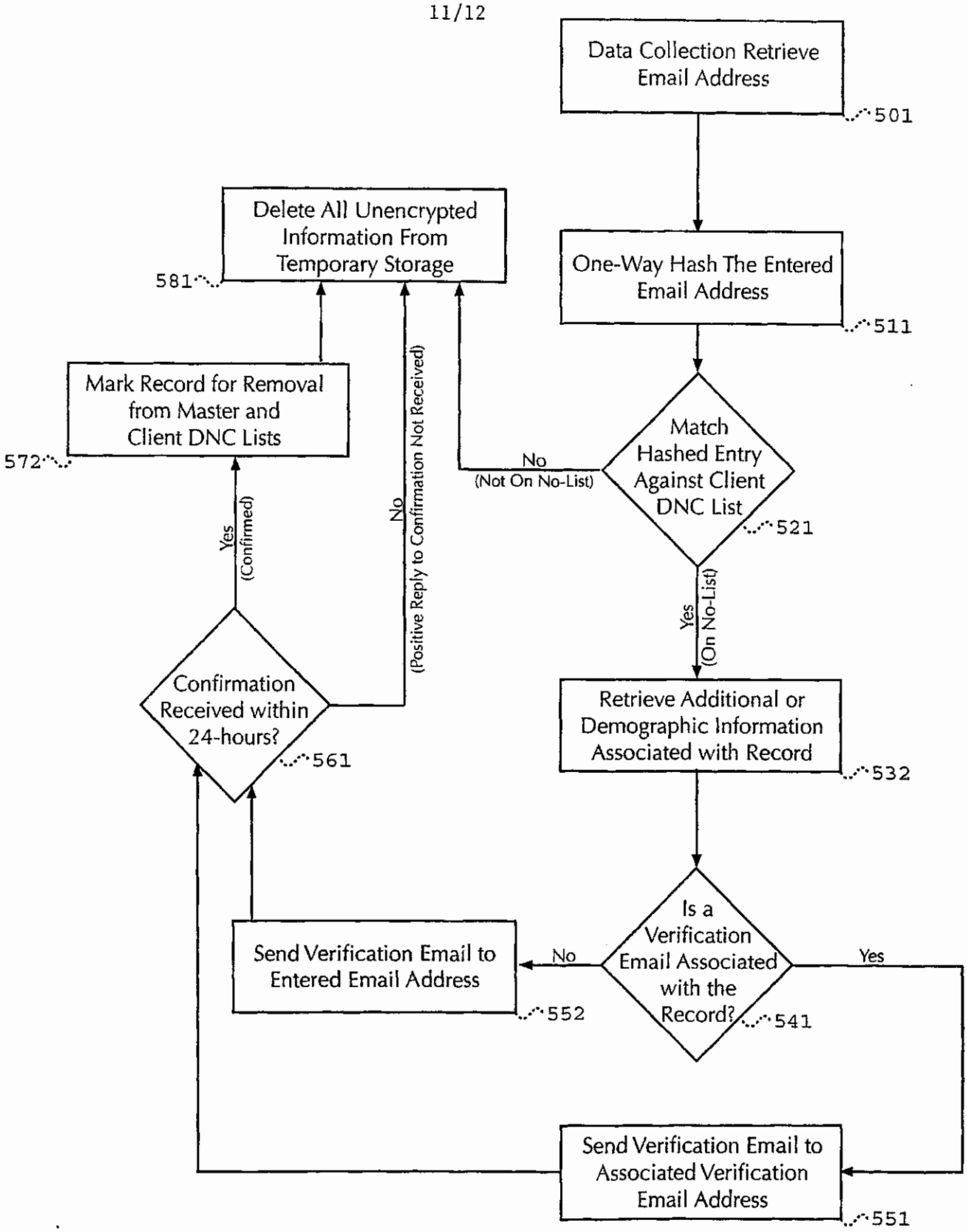

Data Collection Retrieve Email Address
501
One-Way Hash The Entered Email Address
511
Match Hashed Entry Against Client DNC List
521
No
(Not On No-List)
Yes
(On No-List)
Retrieve Additional or Demographic Information Associated with Record
532
Is a Verification Email Associated with the Record?
541
No
Yes
Send Verification Email to Entered Email Address
552
Send Verification Email to Associated Verification Email Address
551
Confirmation Received within 24-hours?
561
No
(Positive Reply to Confirmation Not Received)
Yes
(Confirmed)
Mark Record for Removal from Master and Client DNC Lists
572
Delete All Unencrypted Information From Temporary Storage
581

FIG. 11

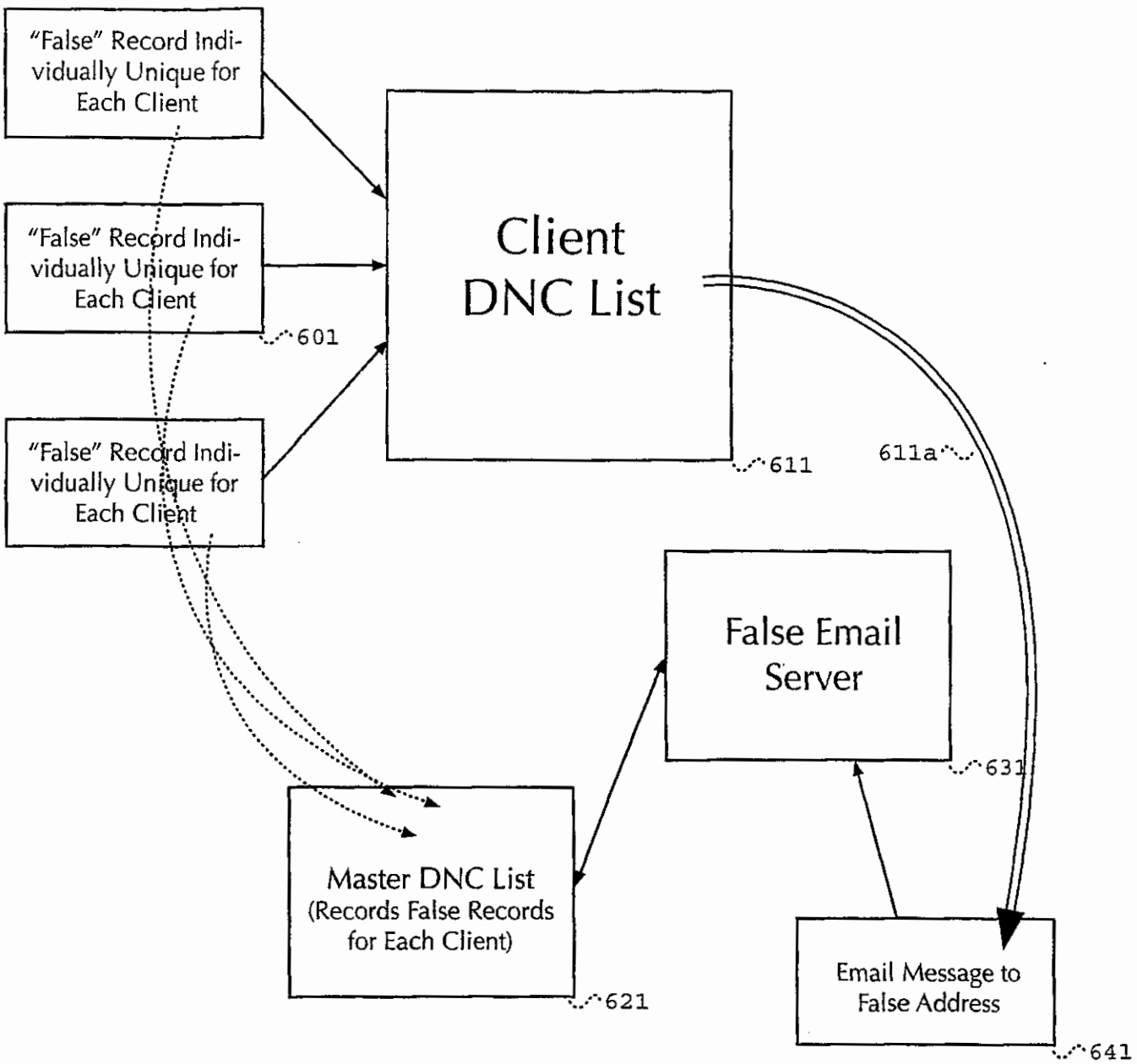

"False" Record Individually Unique for Each Client
"False" Record Individually Unique for Each Client
"False" Record Individually Unique for Each Client
601
Client DNC List
611
611a
False Email Server
631
Master DNC List (Records False Records for Each Client)
621
Email Message to False Address
641

FIG. 12