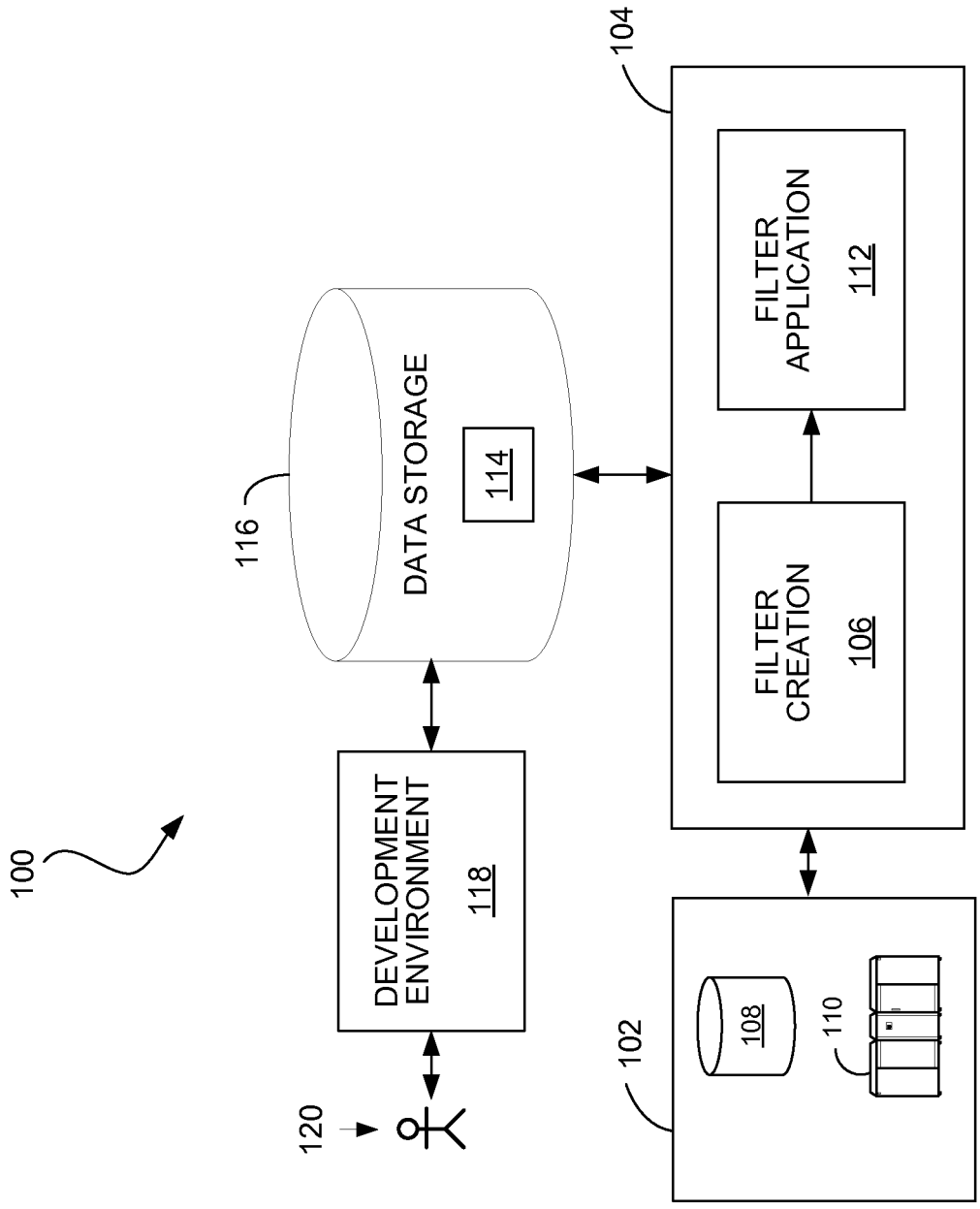
100
120
DEVELOPMENT ENVIRONMENT 118
116
DATA STORAGE
114
104
FILTER CREATION 106
FILTER APPLICATION 112
102
108
110

FIG. 1

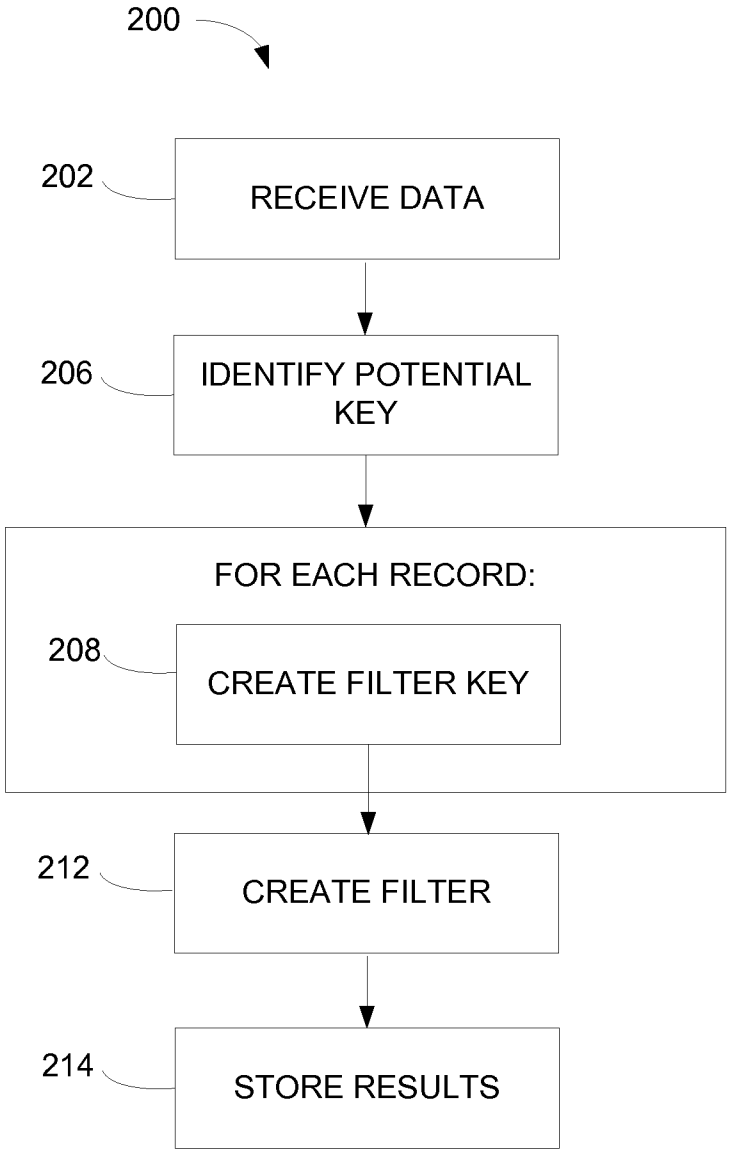
200
202
RECEIVE DATA
206
IDENTIFY POTENTIAL KEY
FOR EACH RECORD:
208
CREATE FILTER KEY
212
CREATE FILTER
214
STORE RESULTS

FIG. 2

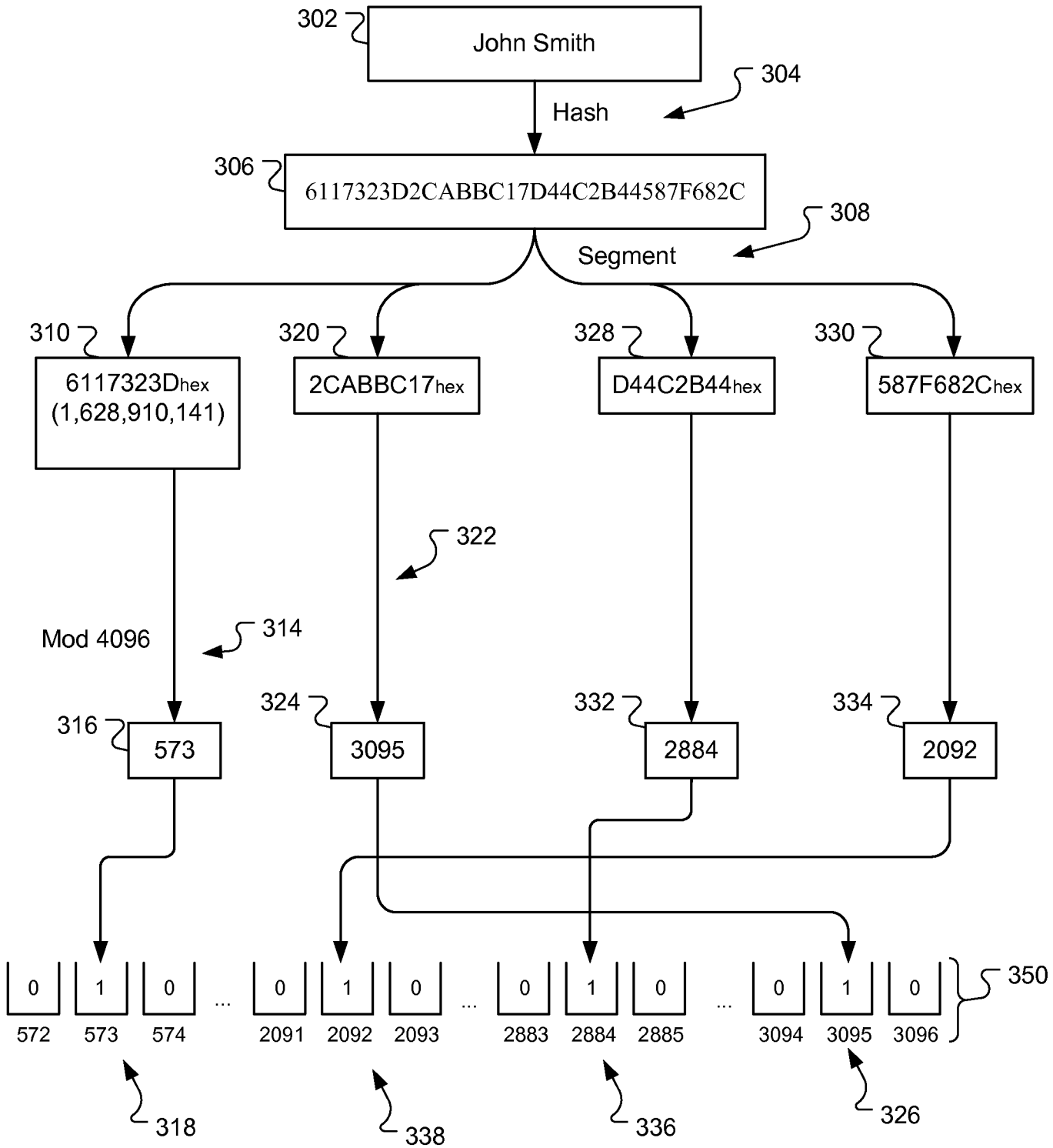
302
John Smith
304
Hash
306
6117323D2CABBC17D44C2B44587F682C
308
Segment
310
6117323Dhex
(1,628,910,141)
320
2CABBC17hex
328
D44C2B44hex
330
587F682Chex
322
Mod 4096
314
316
573
324
3095
332
2884
334
2092
0 1 0 ... 0 1 0 ... 0 1 0 ... 0 1 0
572 573 574 2091 2092 2093 2883 2884 2885 3094 3095 3096
350
318
338
336
326

FIG. 3

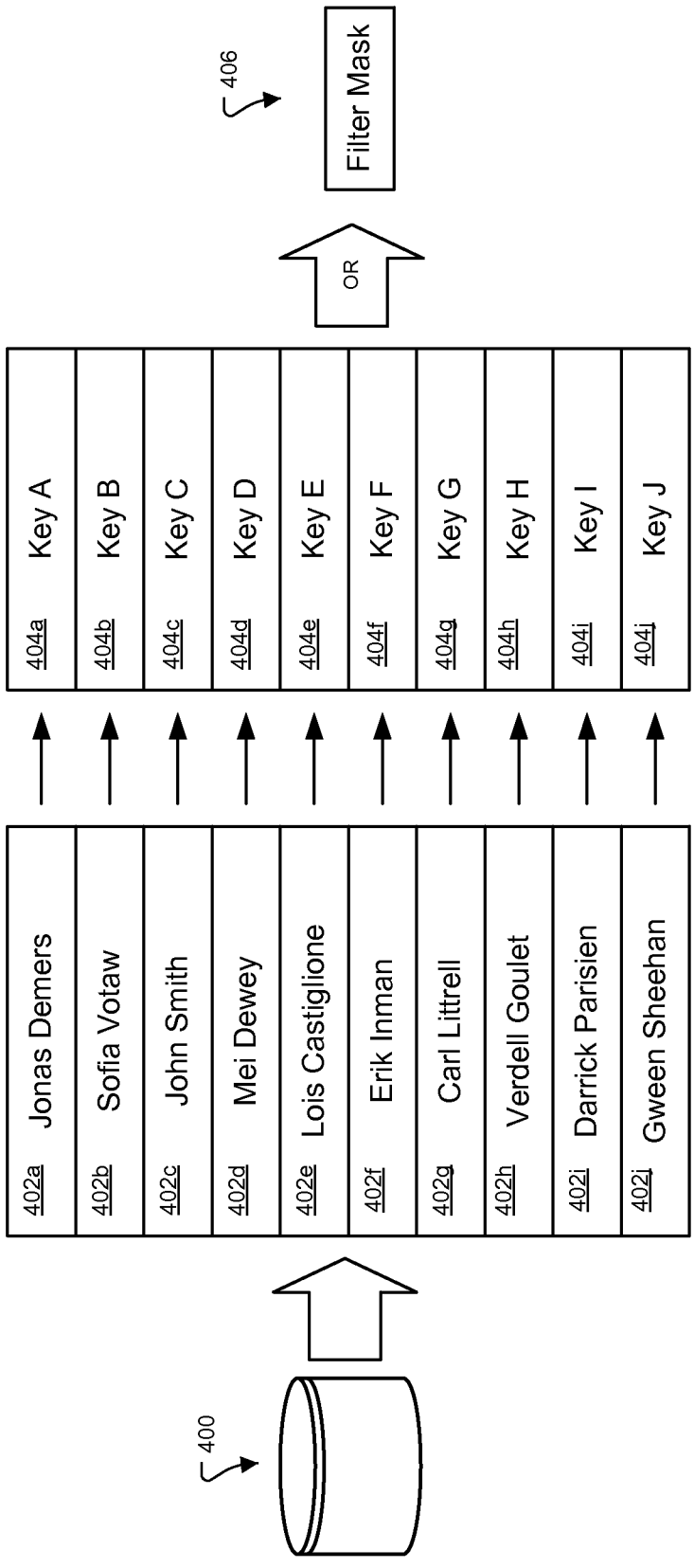
400
402a Jonas Demers
402b Sofia Votaw
402c John Smith
402d Mei Dewey
402e Lois Castiglione
402f Erik Inman
402g Carl Littrell
402h Verdell Goulet
402i Darrick Parisien
402j Gween Sheehan
404a Key A
404b Key B
404c Key C
404d Key D
404e Key E
404f Key F
404g Key G
404h Key H
404i Key I
404j Key J
OR
406
Filter Mask

FIG. 4

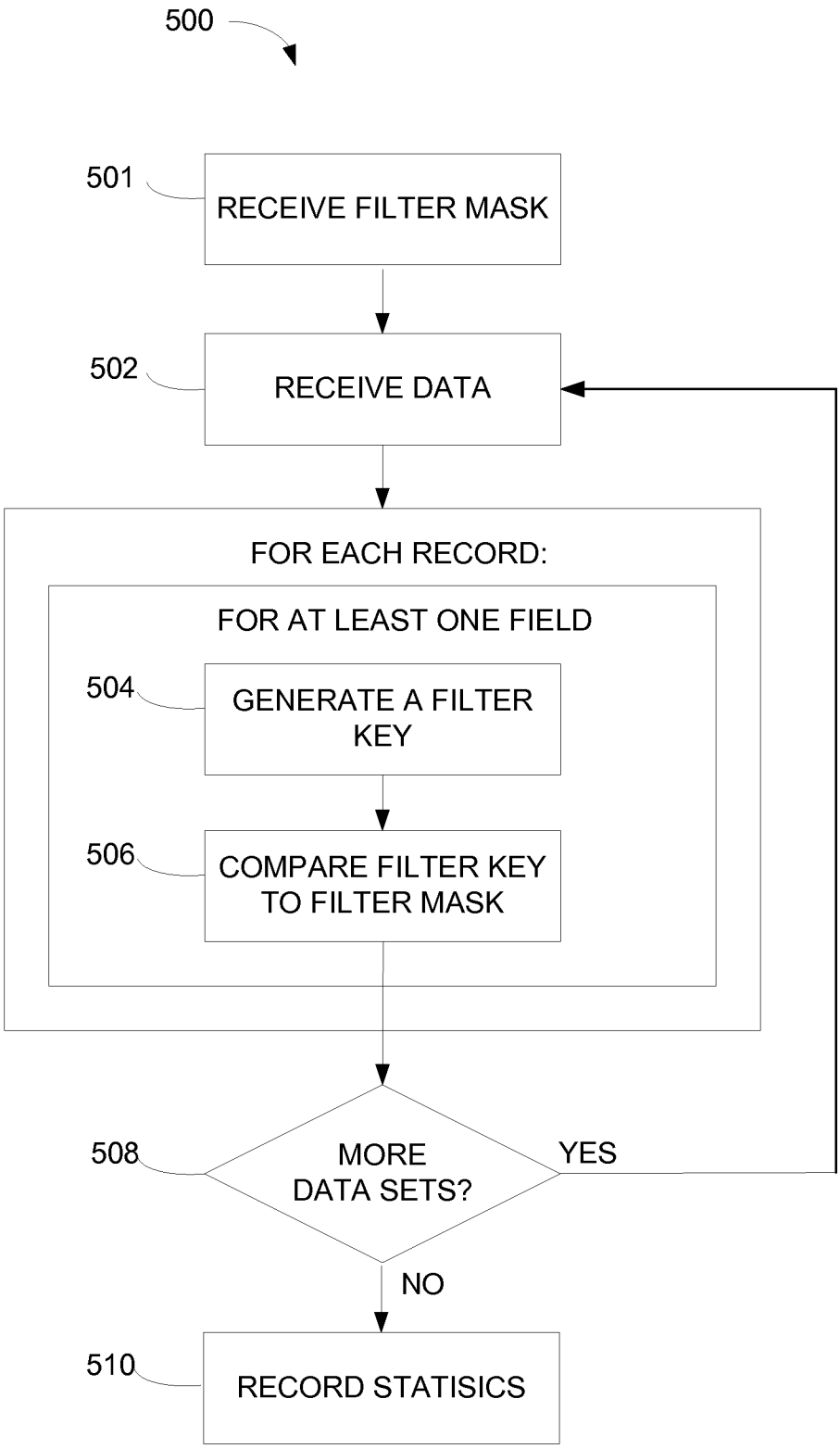
500
501
RECEIVE FILTER MASK
502
RECEIVE DATA
FOR EACH RECORD:
FOR AT LEAST ONE FIELD
504
GENERATE A FILTER KEY
506
COMPARE FILTER KEY TO FILTER MASK
508
MORE DATA SETS?
YES
NO
510
RECORD STATISICS

FIG. 5