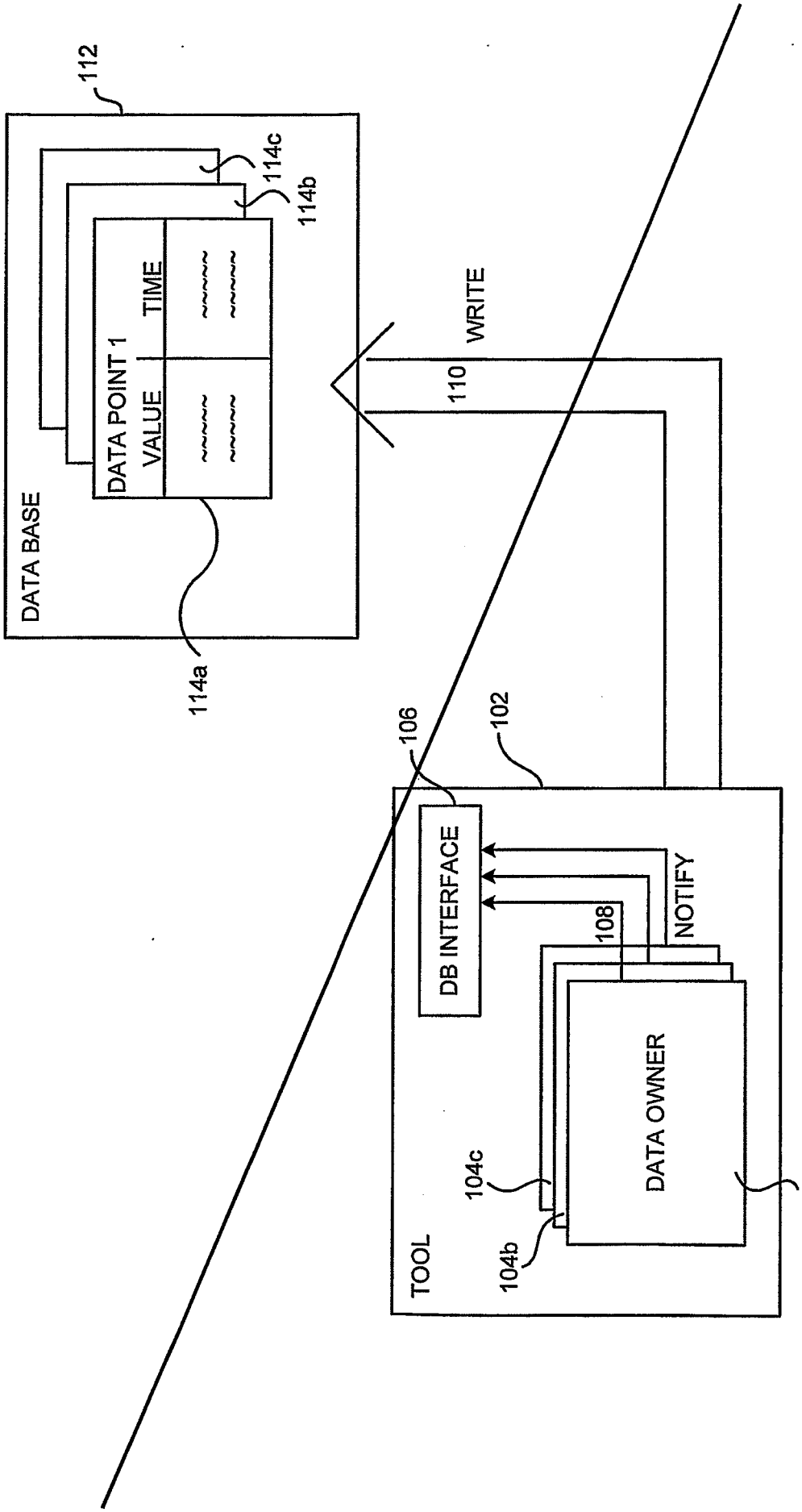



FIGURE 1 (Prior art)

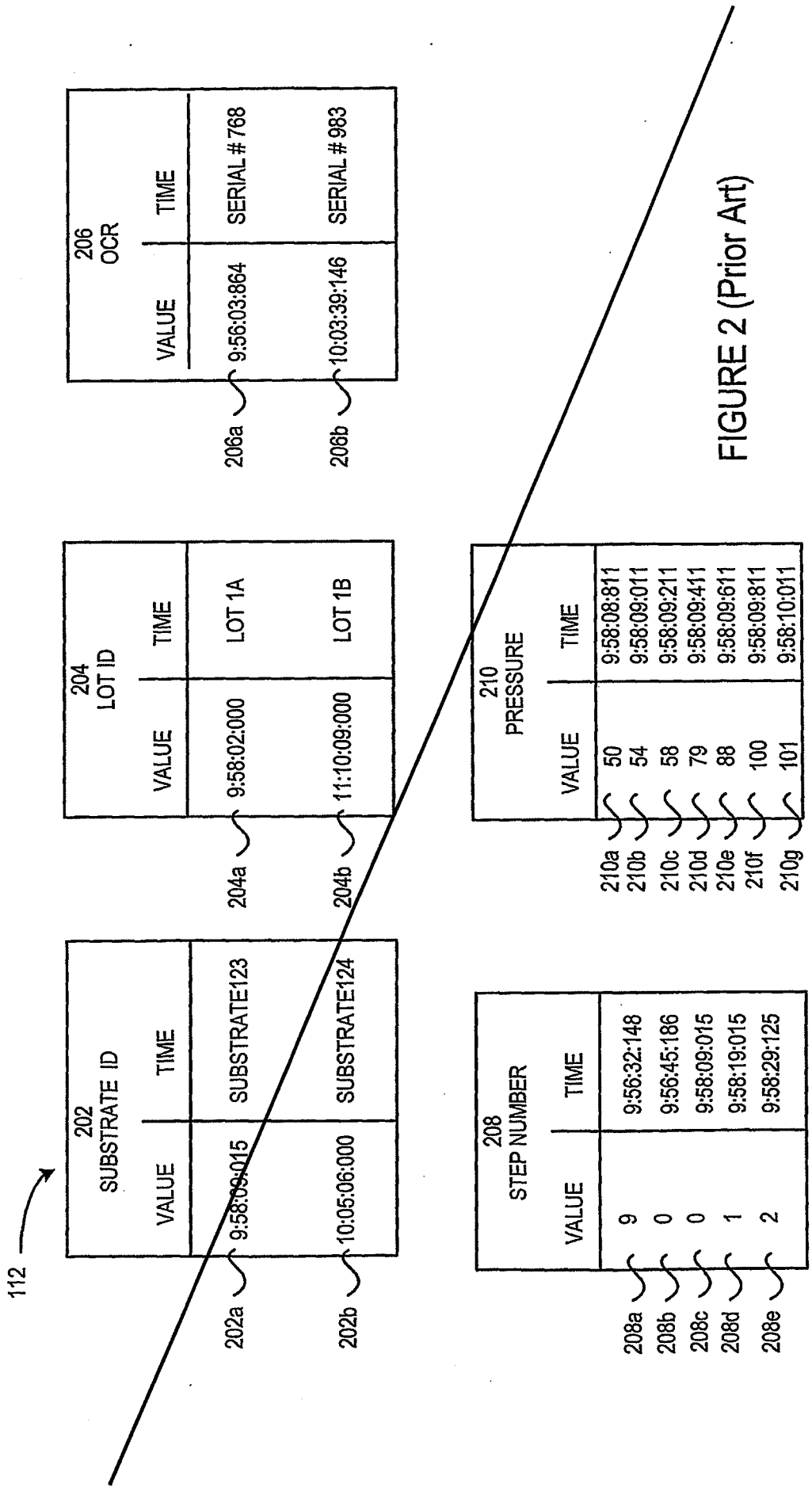



FIGURE 2 (Prior Art)

300

302 — SUBSTRATE ID: SUBSTRATE123
304 — LOT ID: LOT1A
306 — OCR ID: SERIAL NUMBER 78909
308 — NOTCH ANGLE: 25

310 — RECEIPT START: 10:04: 38:070 312 — RECEIPT STOP: 10:10: 28:070

| 314 STEP NUMBER | | 316 PRESSURE | | 318 GAS FLOW 1 | |
|---|---|---|---|---|---|
| TIME | VALUE | TIME | VALUE | TIME | VALUE |
| 0 | 0 | 0 | 54 | 0 | 90 |
| 10000 | 1 | 200 | 68 | 20 | 92 |
| 20110 | 2 | 400 | 79 | 40 | 98 |
| 45678 | 3 | 600 | 88 | 60 | 104 |
| 78142 | 4 | 800 | 100 | 80 | 110 |
| | | 1000 | 101 | 100 | 110 |

FIGURE 3

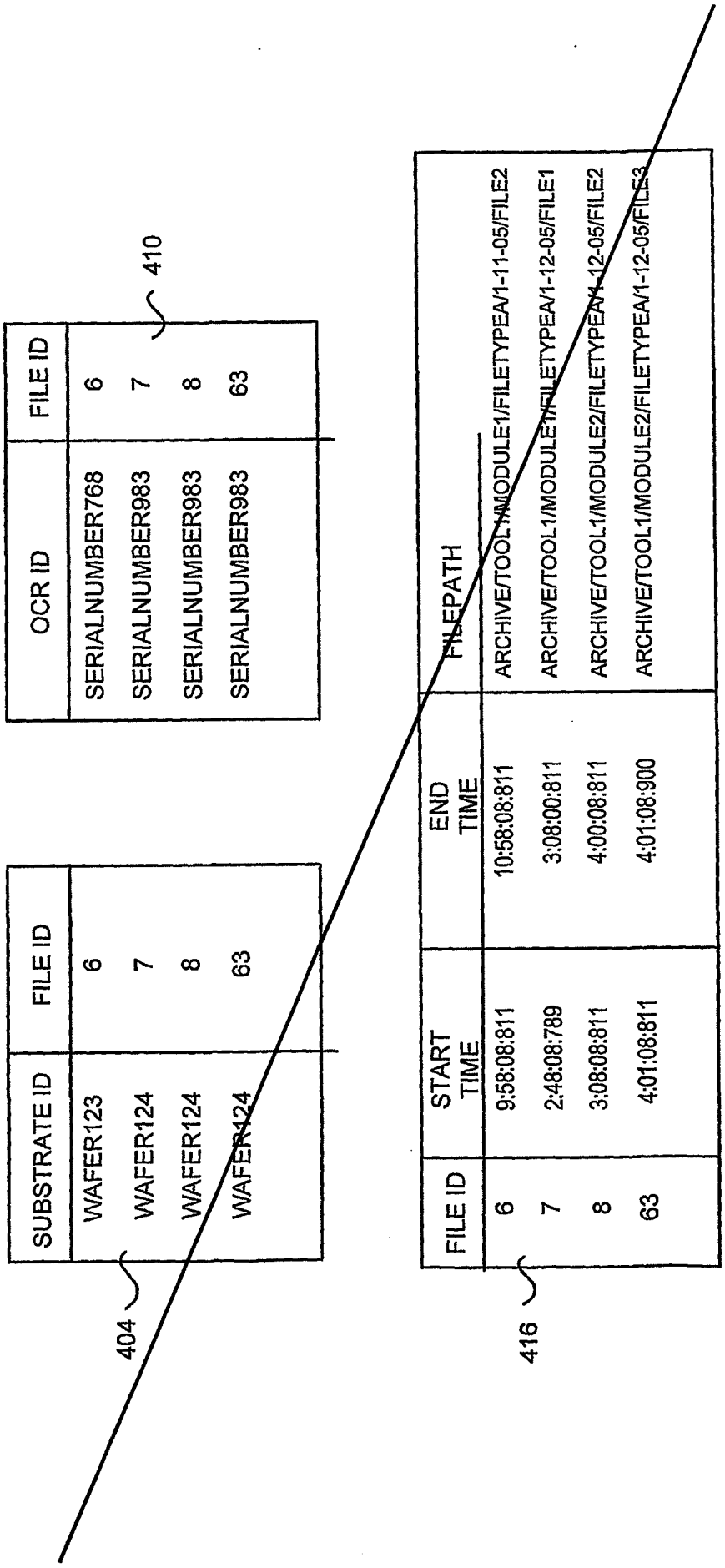

SUBSTRATE ID
FILE ID
WAFER123
6
WAFER124
7
WAFER124
8
WAFER124
63
404
OCR ID
FILE ID
SERIALNUMBER768
6
SERIALNUMBER983
7
SERIALNUMBER983
8
SERIALNUMBER983
63
410
FILE ID
START TIME
END TIME
FILEPATH
6
9:58:08:811
10:58:08:811
ARCHIVE/TOOL1/MODULE1/FILETYPEA/1-11-05/FILE2
7
2:48:08:789
3:08:00:811
ARCHIVE/TOOL1/MODULE1/FILETYPEA/1-12-05/FILE1
8
3:08:08:811
4:00:08:811
ARCHIVE/TOOL1/MODULE2/FILETYPEA/1-12-05/FILE2
63
4:01:08:811
4:01:08:900
ARCHIVE/TOOL1/MODULE2/FILETYPEA/1-12-05/FILE3
416

FIGURE 4A

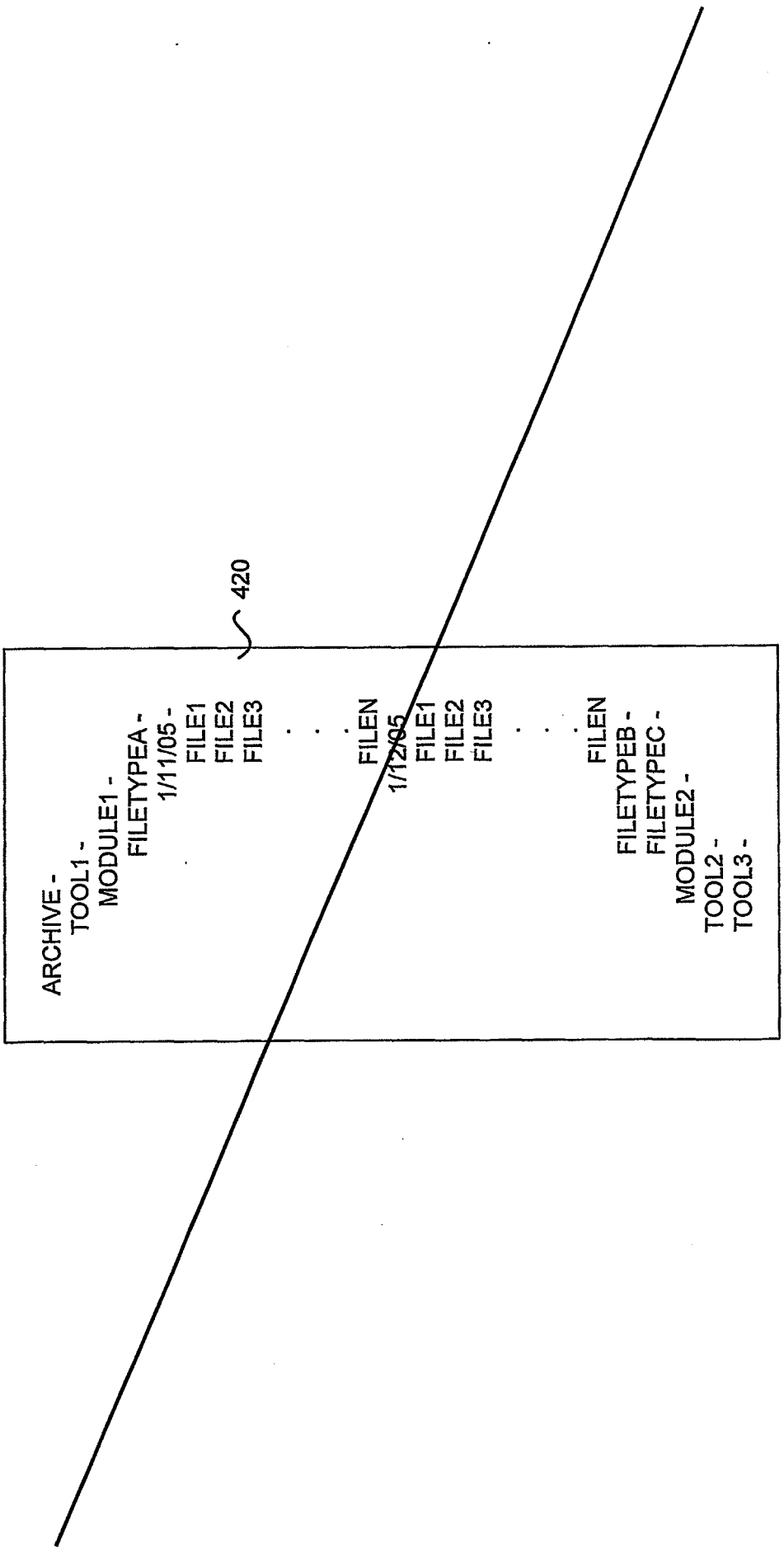

420
ARCHIVE -
TOOL1 -
MODULE1 -
FILETYPEA -
1/11/05 -
FILE1
FILE2
FILE3
. . .
FILEN
1/12/05
FILE1
FILE2
FILE3
. . .
FILEN
FILETYPEB -
FILETYPEC -
MODULE2 -
TOOL2 -
TOOL3 -

FIGURE 4B

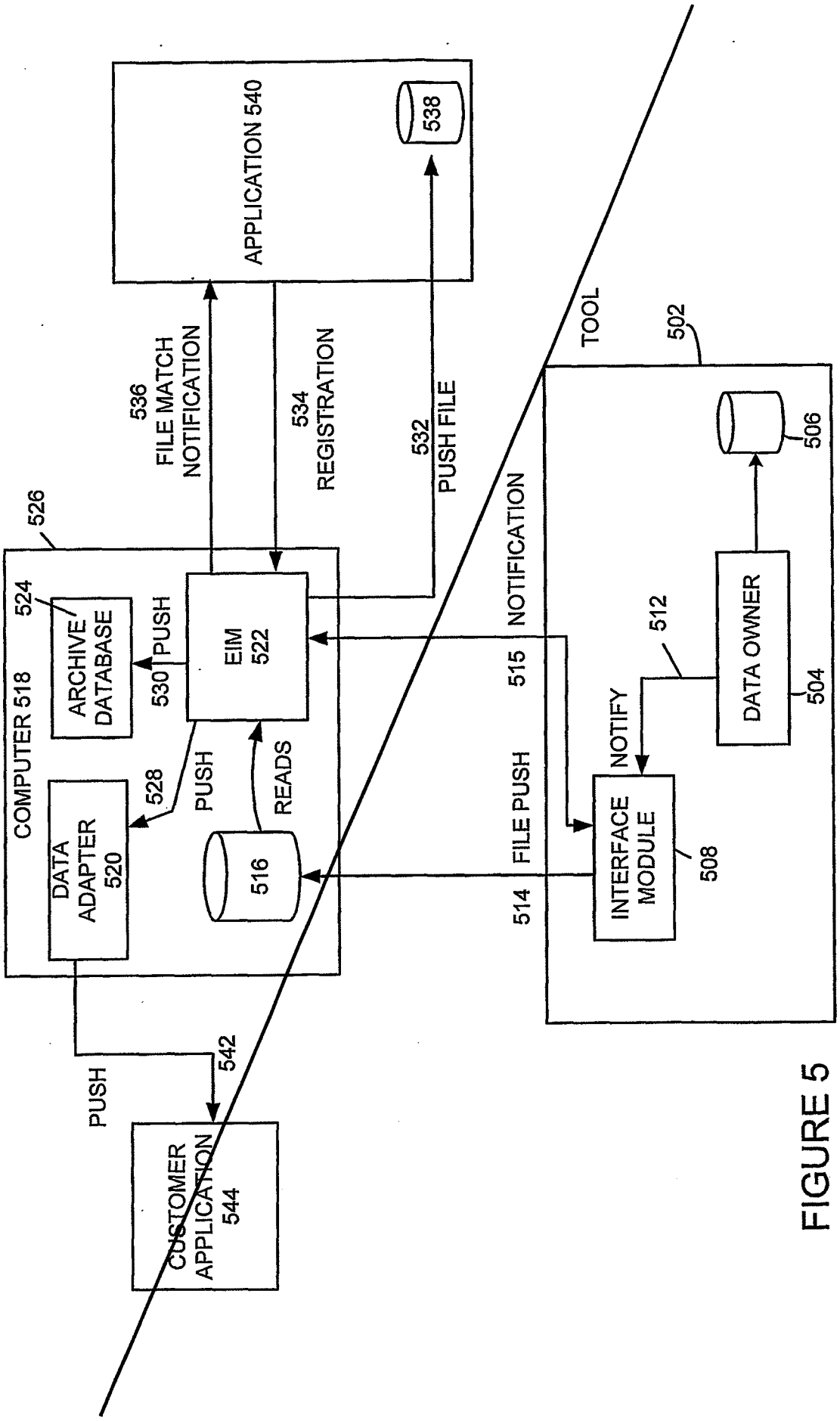

APPLICATION 540
538
536
FILE MATCH
NOTIFICATION
534
REGISTRATION
532
PUSH FILE
TOOL
502
506
526
COMPUTER 518
524
ARCHIVE
DATABASE
PUSH
530
EIM
522
NOTIFICATION
515
512
DATA OWNER
504
528
PUSH
READS
516
FILE PUSH
514
NOTIFY
INTERFACE
MODULE
508
DATA
ADAPTER
520
PUSH
542
CUSTOMER
APPLICATION
544

FIGURE 5

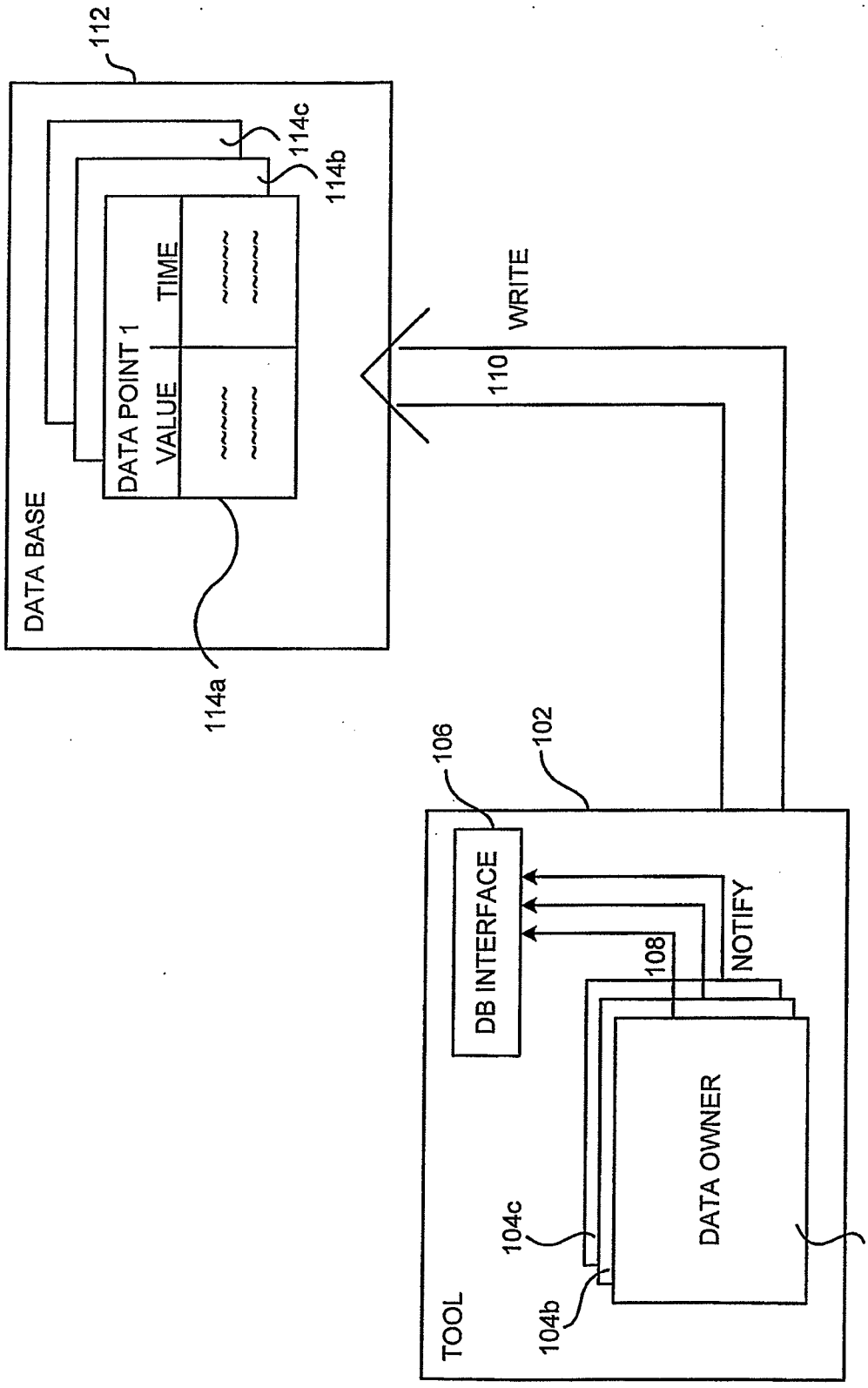



FIGURE 1 (Prior art)

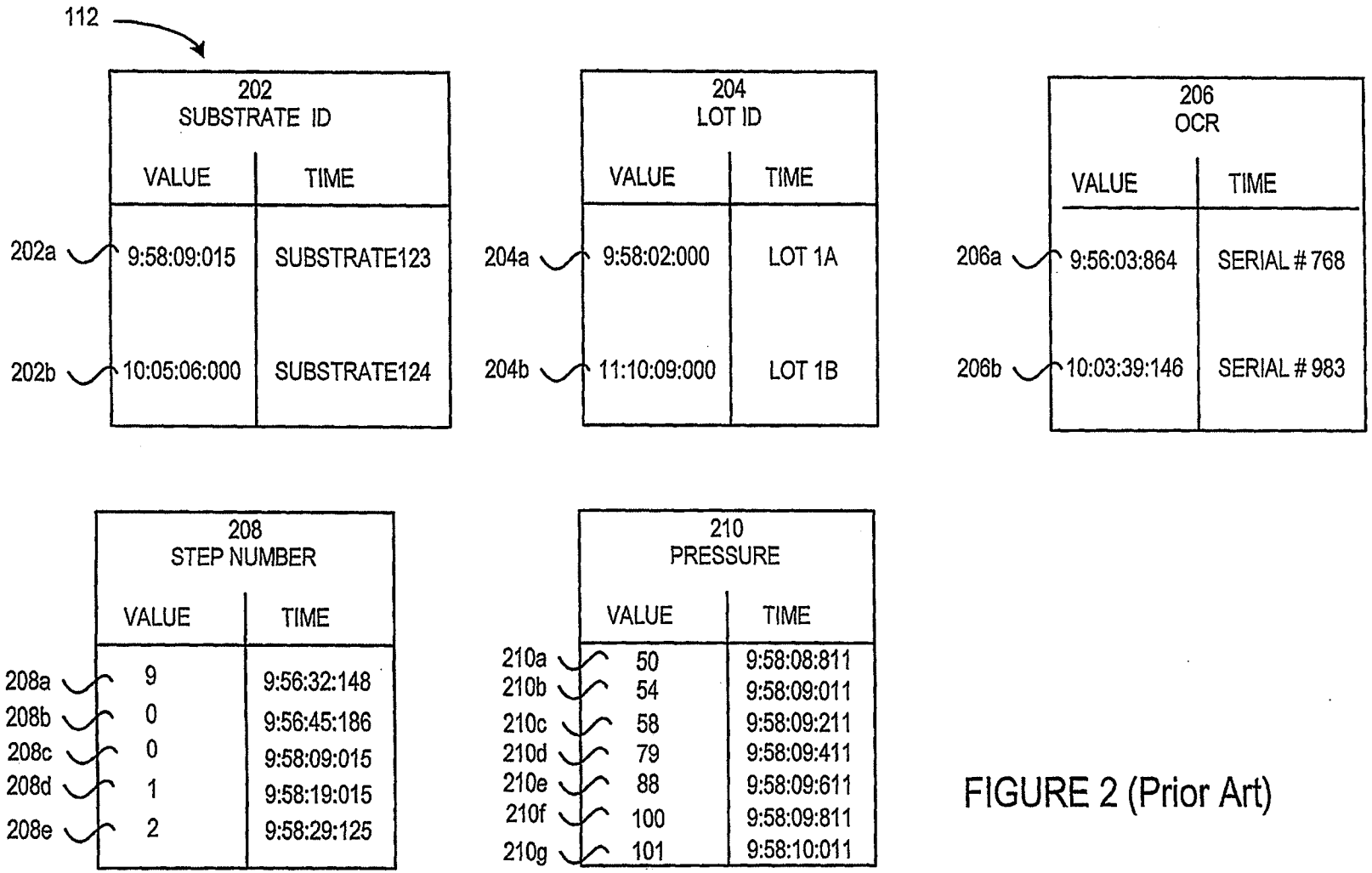



FIGURE 2 (Prior Art)

300

302 — SUBSTRATE ID: SUBSTRATE123
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306 — OCR ID: SERIAL NUMBER 78909
308 — NOTCH ANGLE: 25

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| 314 STEP NUMBER | | 316 PRESSURE | | 318 GAS FLOW 1 | |
|---|---|---|---|---|---|
| TIME | VALUE | TIME | VALUE | TIME | VALUE |
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| 10000 | 1 | 200 | 68 | 20 | 92 |
| 20110 | 2 | 400 | 79 | 40 | 98 |
| 45678 | 3 | 600 | 88 | 60 | 104 |
| 78142 | 4 | 800 | 100 | 80 | 110 |
| | | 1000 | 101 | 100 | 110 |

FIGURE 3

404

| SUBSTRATE ID | FILE ID |
|---|---|
| WAFER123 | 6 |
| WAFER124 | 7 |
| WAFER124 | 8 |
| WAFER124 | 63 |

| OCR ID | FILE ID |
|---|---|
| SERIALNUMBER768 | 6 |
| SERIALNUMBER983 | 7 |
| SERIALNUMBER983 | 8 |
| SERIALNUMBER983 | 63 |

410

416

| FILE ID | START TIME | END TIME | FILEPATH |
|---|---|---|---|
| 6 | 9:58:08:811 | 10:58:08:811 | ARCHIVE/TOOL1/MODULE1/FILETYPEA/1-11-05/FILE2 |
| 7 | 2:48:08:789 | 3:08:00:811 | ARCHIVE/TOOL1/MODULE1/FILETYPEA/1-12-05/FILE1 |
| 8 | 3:08:08:811 | 4:00:08:811 | ARCHIVE/TOOL1/MODULE2/FILETYPEA/1-12-05/FILE2 |
| 63 | 4:01:08:811 | 4:01:08:900 | ARCHIVE/TOOL1/MODULE2/FILETYPEA/1-12-05/FILE3 |

FIGURE 4A

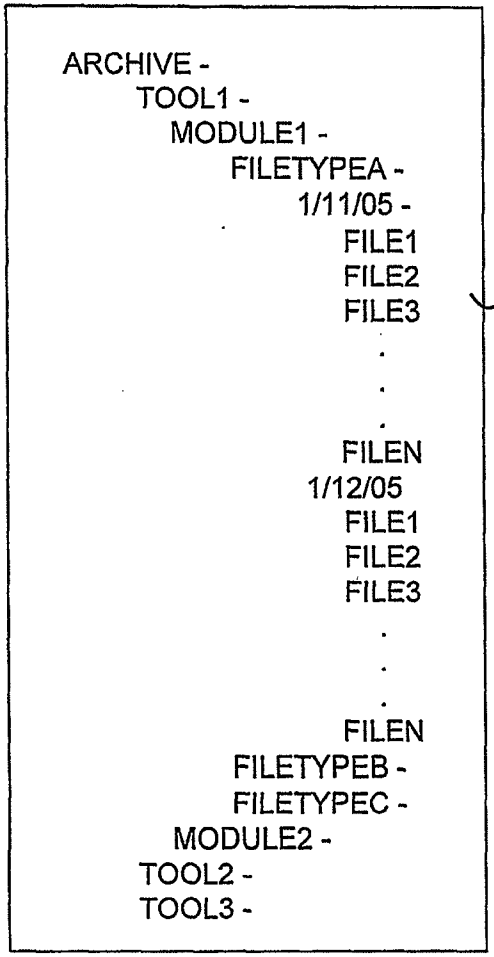

ARCHIVE -
TOOL1 -
MODULE1 -
FILETYPEA -
1/11/05 -
FILE1
FILE2
FILE3
FILEN
1/12/05
FILE1
FILE2
FILE3
FILEN
FILETYPEB -
FILETYPEC -
MODULE2 -
TOOL2 -
TOOL3 -
420

FIGURE 4B

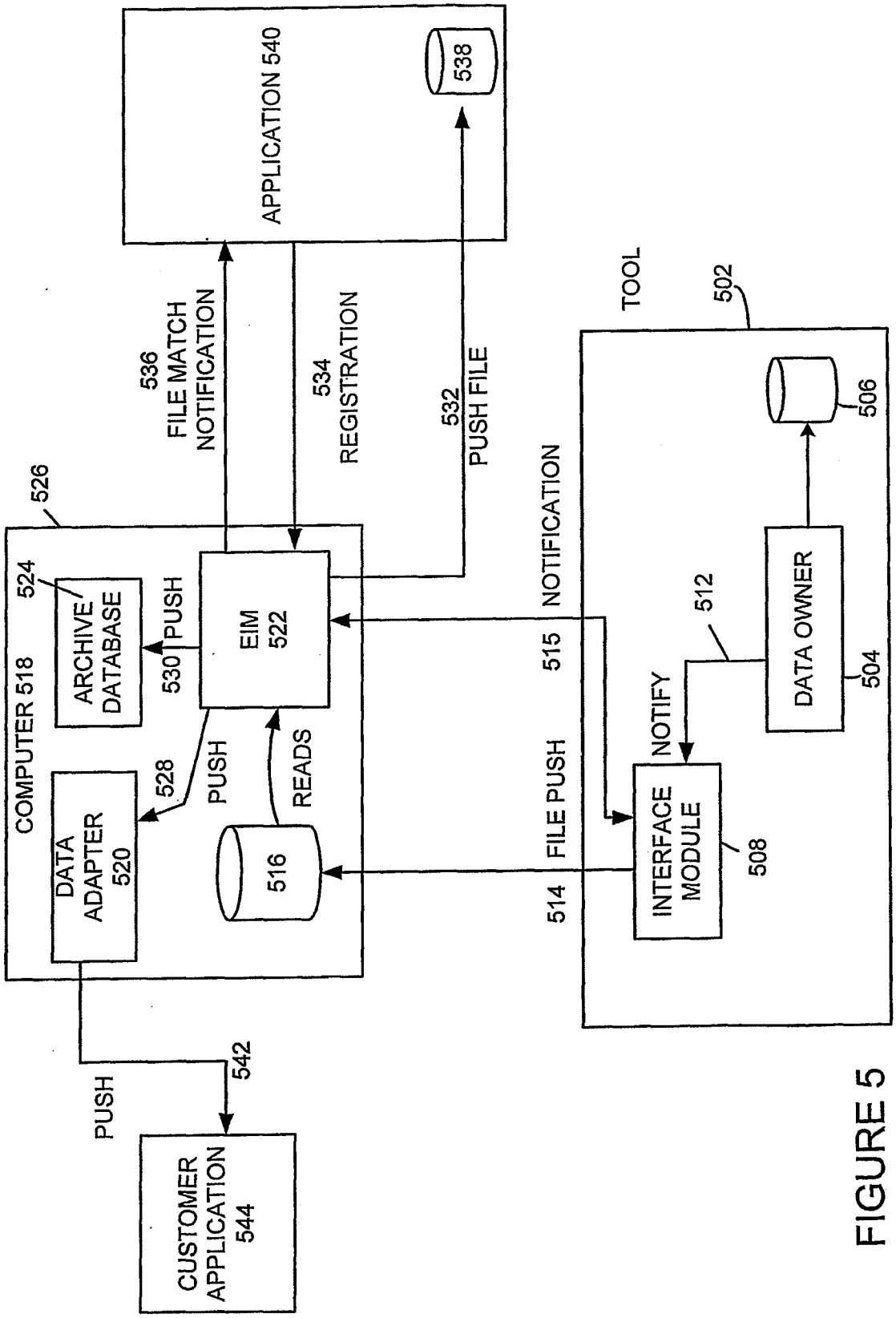

APPLICATION 540
538
536
FILE MATCH
NOTIFICATION
534
REGISTRATION
532
PUSH FILE
526
COMPUTER 518
524
ARCHIVE
DATABASE
PUSH
530
EIM
522
528
PUSH
READS
DATA
ADAPTER
520
516
TOOL
502
506
NOTIFICATION
515
512
DATA OWNER
504
NOTIFY
FILE PUSH
514
INTERFACE
MODULE
508
PUSH
542
CUSTOMER
APPLICATION
544

FIGURE 5