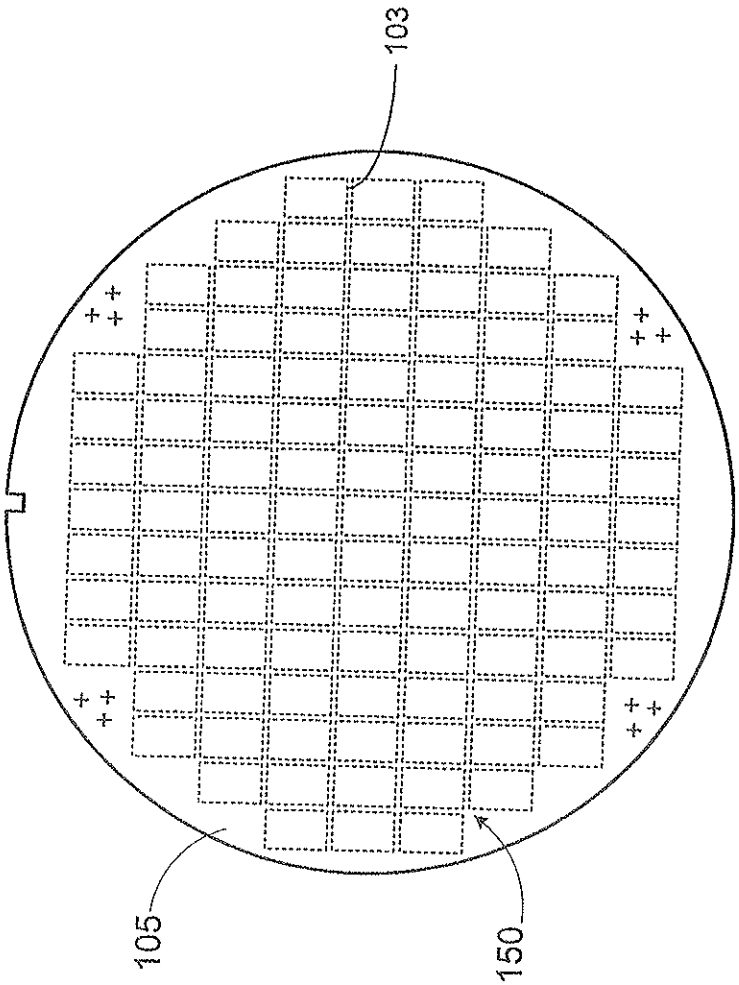


FIGURE 1 (Prior Art)

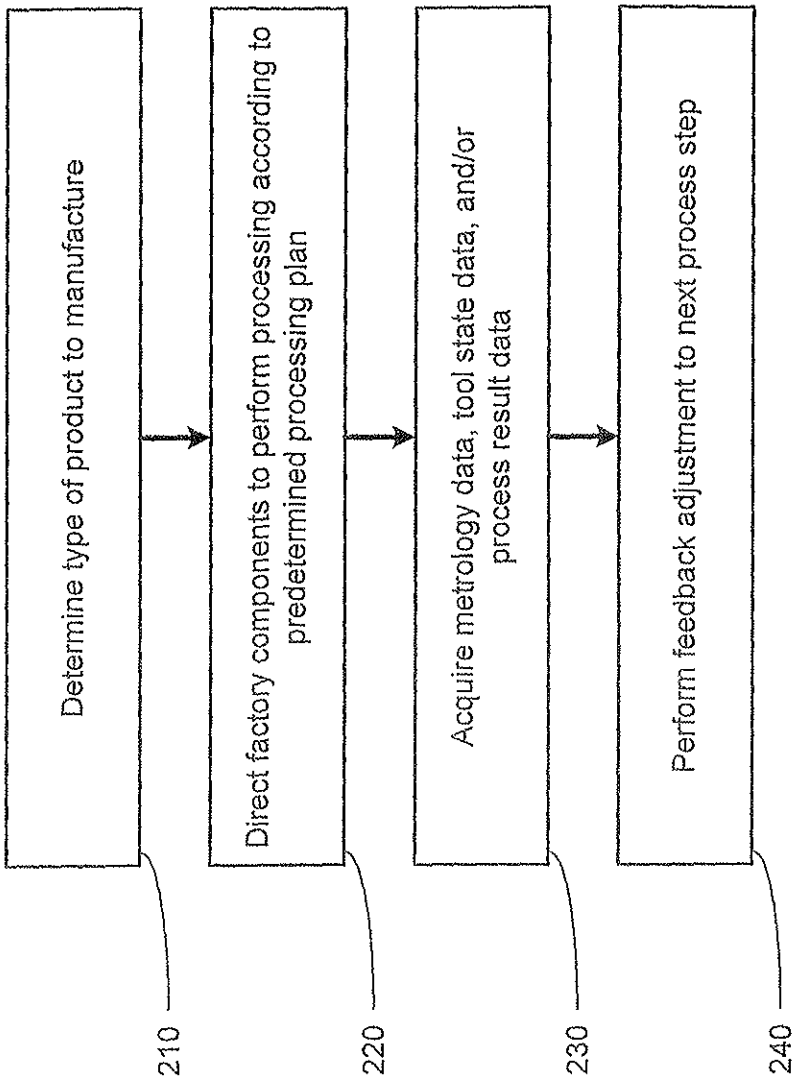


FIGURE 2 (Prior Art)

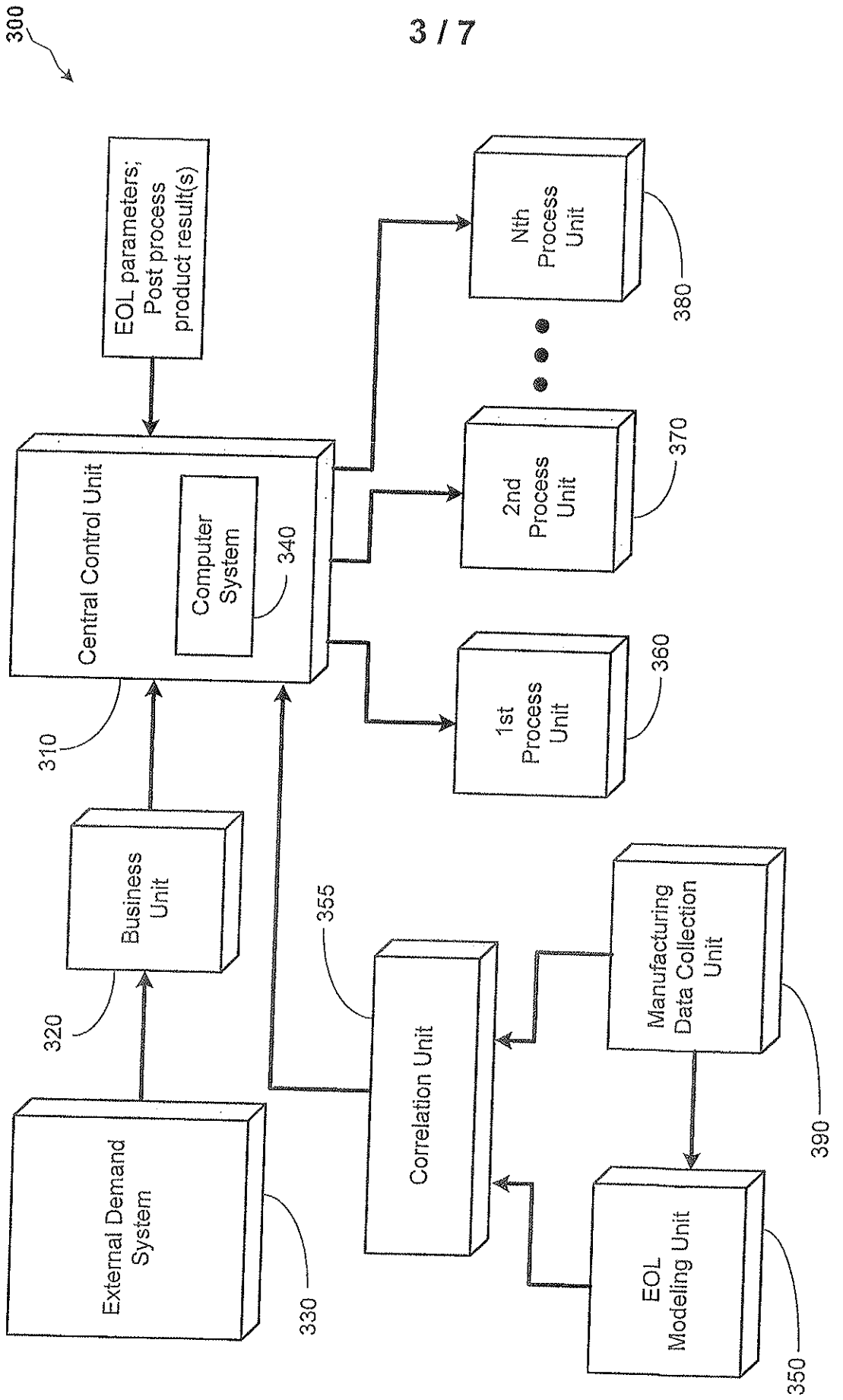

300
EOL parameters; Post process product result(s)
Central Control Unit
Computer System
340
310
Nth Process Unit
380
2nd Process Unit
370
1st Process Unit
360
Business Unit
320
External Demand System
330
355
Correlation Unit
Manufacturing Data Collection Unit
390
EOL Modeling Unit
350

FIGURE 3

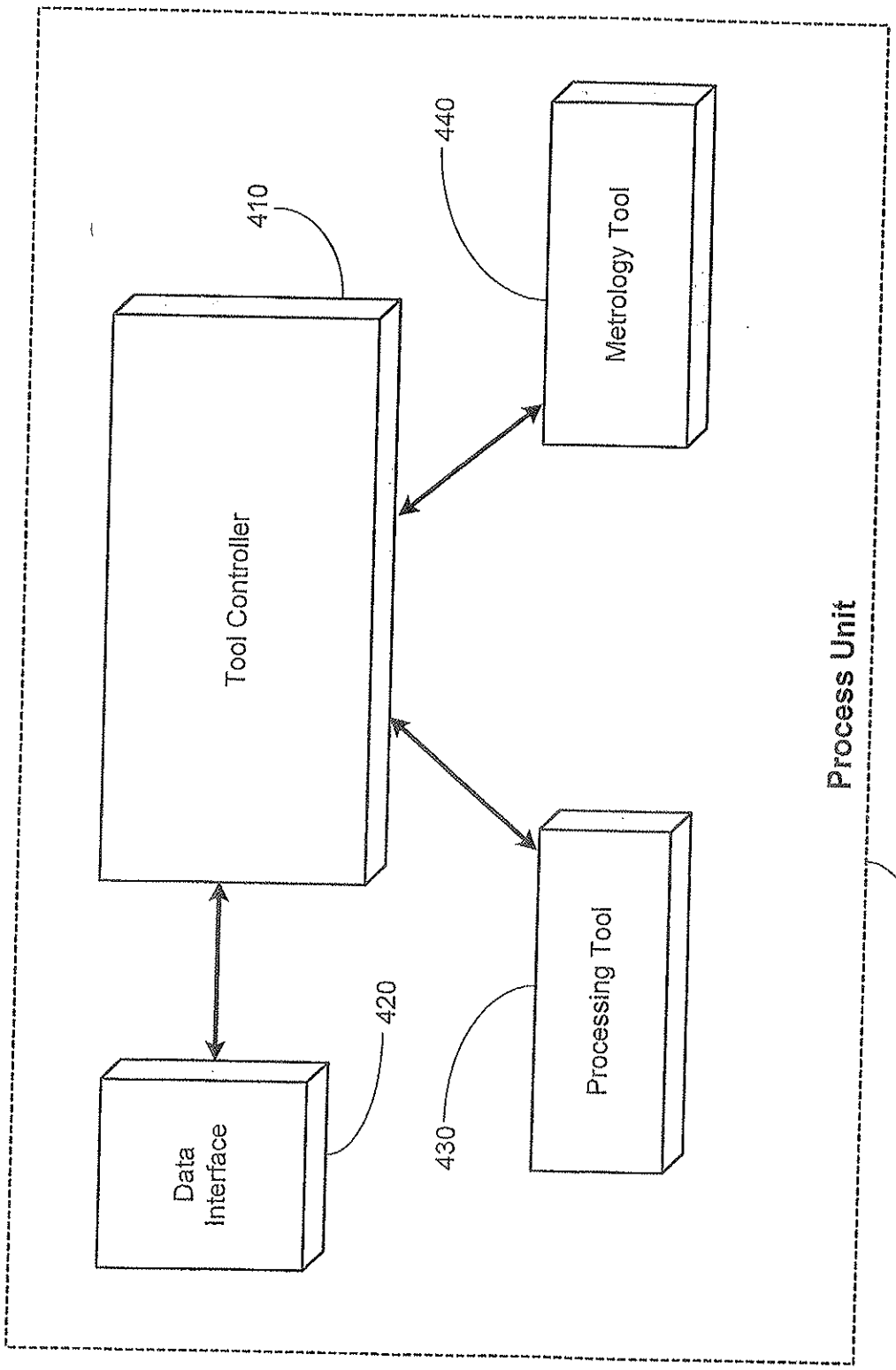

Process Unit
360-380
Tool Controller
410
Metrology Tool
440
Processing Tool
430
Data Interface
420

FIGURE 4

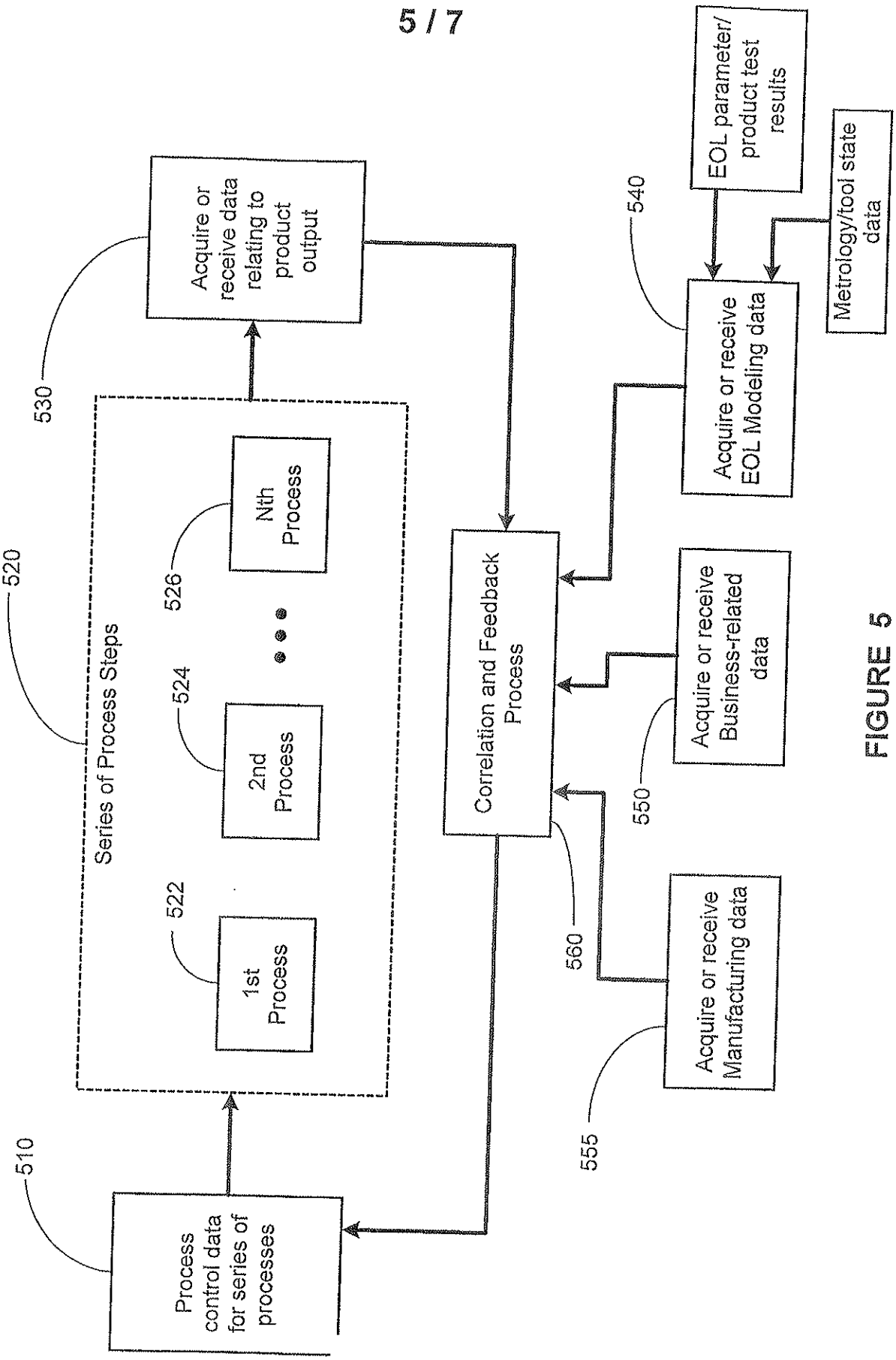

Process control data for series of processes
510
Series of Process Steps
520
1st Process
522
2nd Process
524
Nth Process
526
Acquire or receive data relating to product output
530
Correlation and Feedback Process
Acquire or receive Manufacturing data
555
Acquire or receive Business-related data
550
Acquire or receive EOL Modeling data
540
EOL parameter/ product test results
Metrology/tool state data
560

FIGURE 5

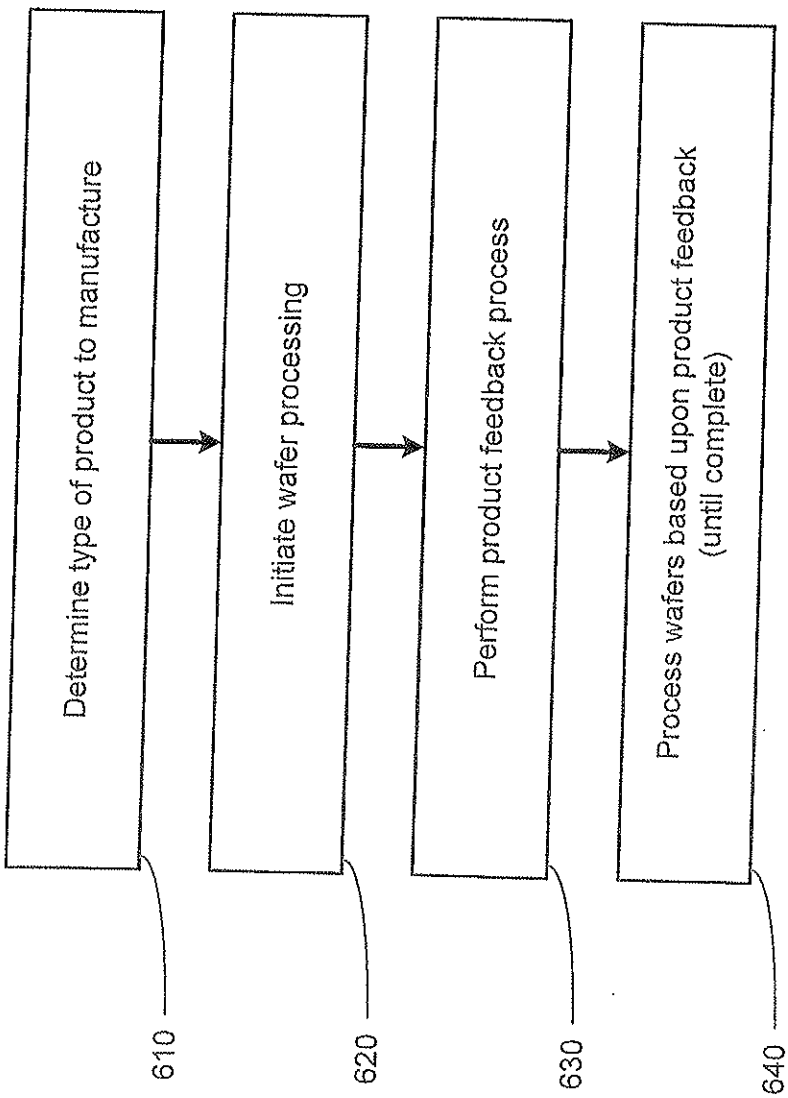

Determine type of product to manufacture
Initiate wafer processing
Perform product feedback process
Process wafers based upon product feedback (until complete)
610
620
630
640

FIGURE 6

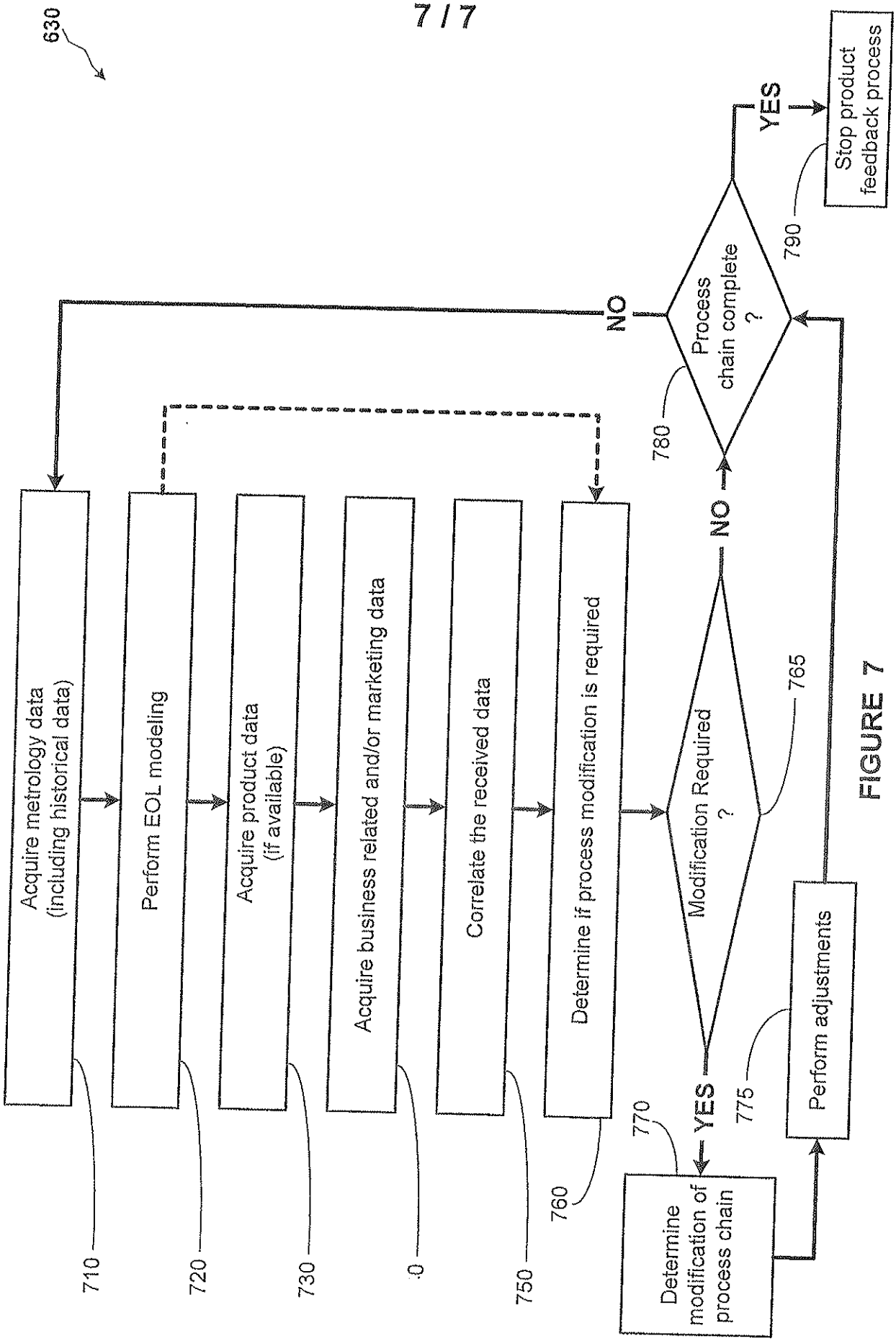

630
Acquire metrology data (including historical data)
Perform EOL modeling
Acquire product data (if available)
Acquire business related and/or marketing data
Correlate the received data
Determine if process modification is required
Modification Required ?
Process chain complete ?
Stop product feedback process
Determine modification of process chain
Perform adjustments
NO
YES
NO
YES
710
720
730
0
750
760
765
770
775
780
790

FIGURE 7