EXHIBIT G

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(54) **ADJUSTING WEIGHTING OF A PARAMETER RELATING TO FAULT DETECTION BASED ON A DETECTED FAULT**

(75) Inventor: **Matthew A. Purdy**, Austin, TX (US)

(73) Assignee: **Advanced Micro Devices, Inc.**, Sunnyvale, CA (US)

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G06F 17/40   (2006.01)
G06F 19/00   (2011.01)
B23Q 17/00   (2006.01)

(52) **U.S. Cl.**
USPC **702/183**; 73/865.9; 438/5; 438/14; 700/96; 700/110; 700/121; 702/182; 702/185; 702/187; 702/189

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IPC B23B 49/00; B23Q 15/00,15/007, B23Q 15/12, 17/00, 17/904, 17/952, 17/10, B23Q 17/12, 17/20; G05B 13/00; G06F 11/00, G06F 11/30, 11/3058, 11/32, 17/00, 17/40, G06F 19/00
See application file for complete search history.

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(57)   **ABSTRACT**

A method, apparatus and a system, for provided for performing a dynamic weighting technique for performing fault detection. The method comprises processing a workpiece and performing a fault detection analysis relating to the processing of the workpiece. The method further comprises determining a relationship of a parameter relating to the fault detection analysis to a detected fault and adjusting a weighting associated with the parameter based upon the relationship of the parameter to the detected fault.

31 Claims, 8 Drawing Sheets
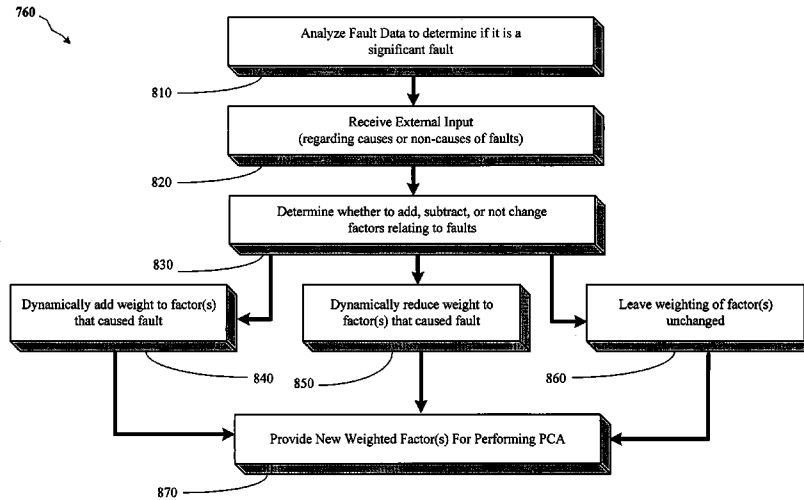
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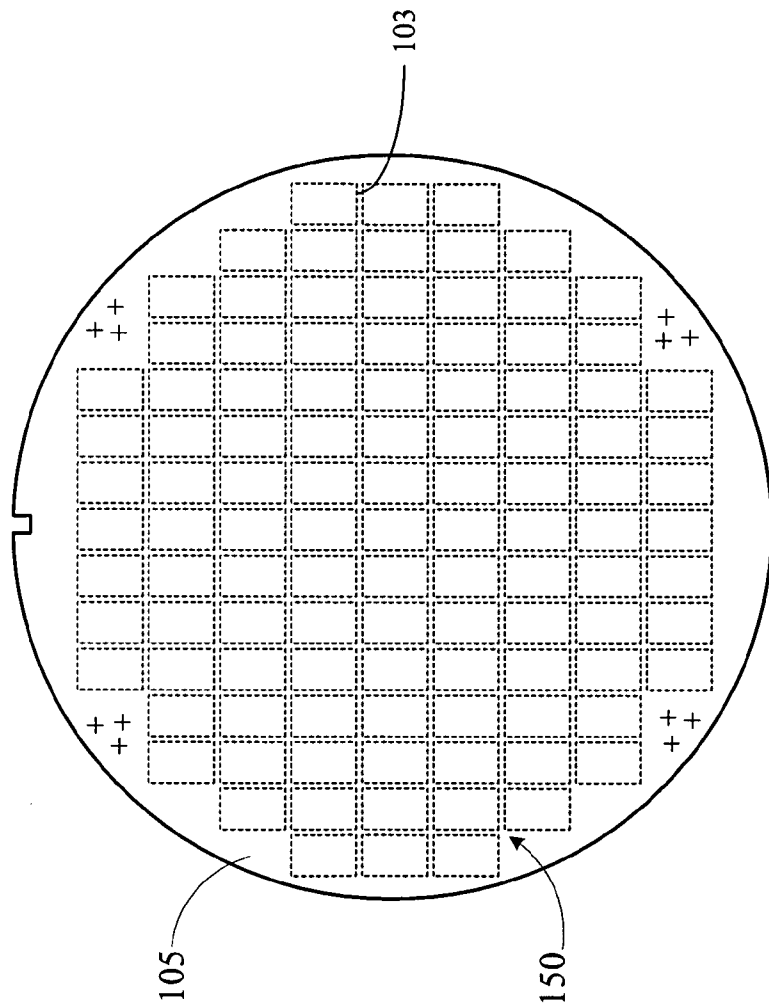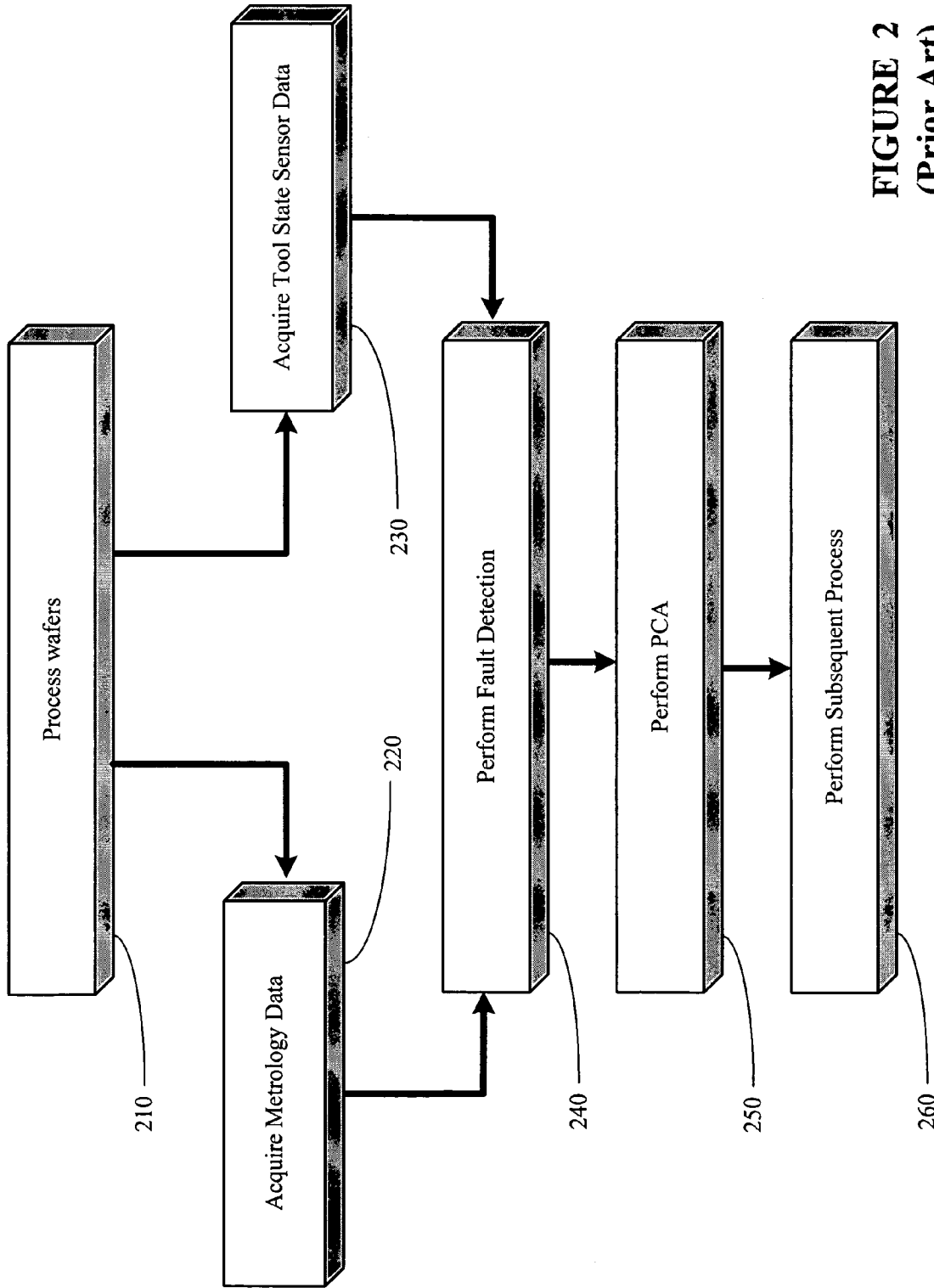
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FIGURE 1 (Prior Art)

FIGURE 2
(Prior Art)

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