

FIG.1

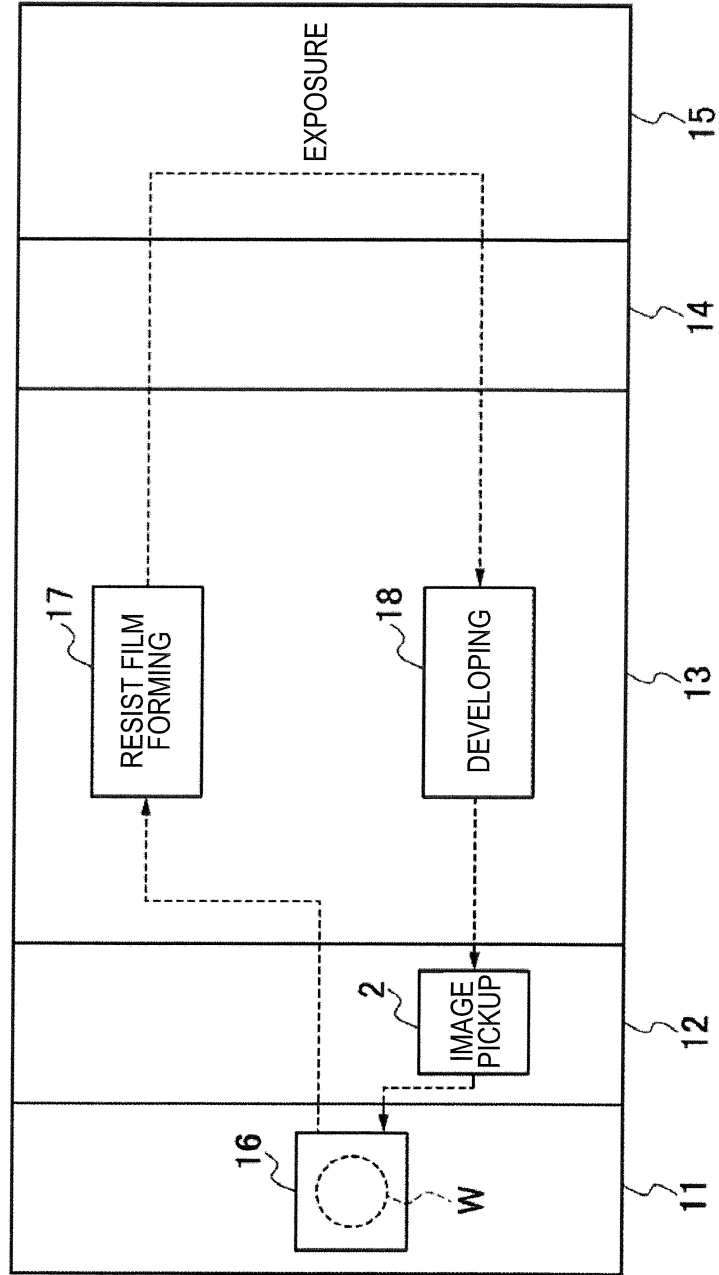


FIG.2

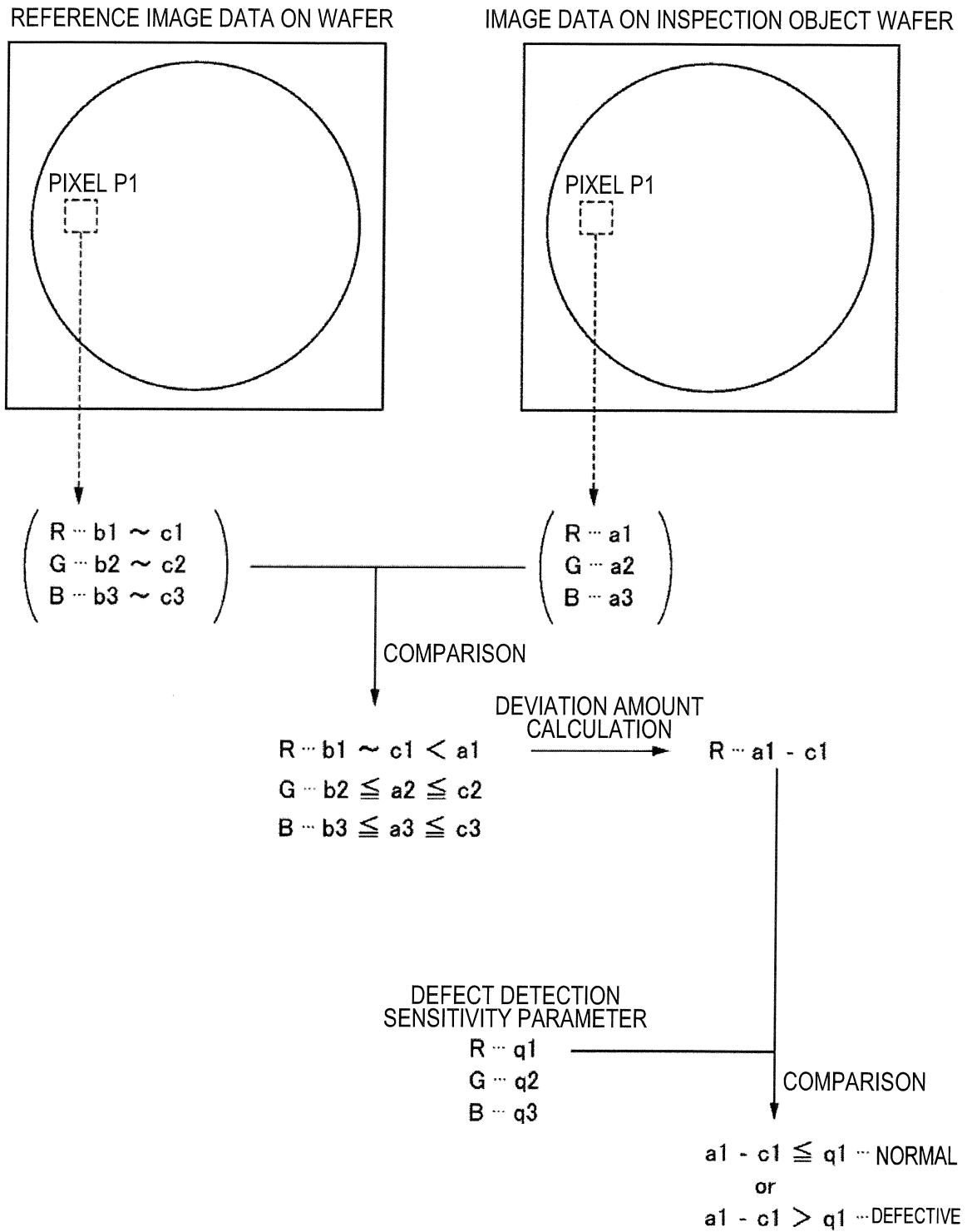


FIG.3

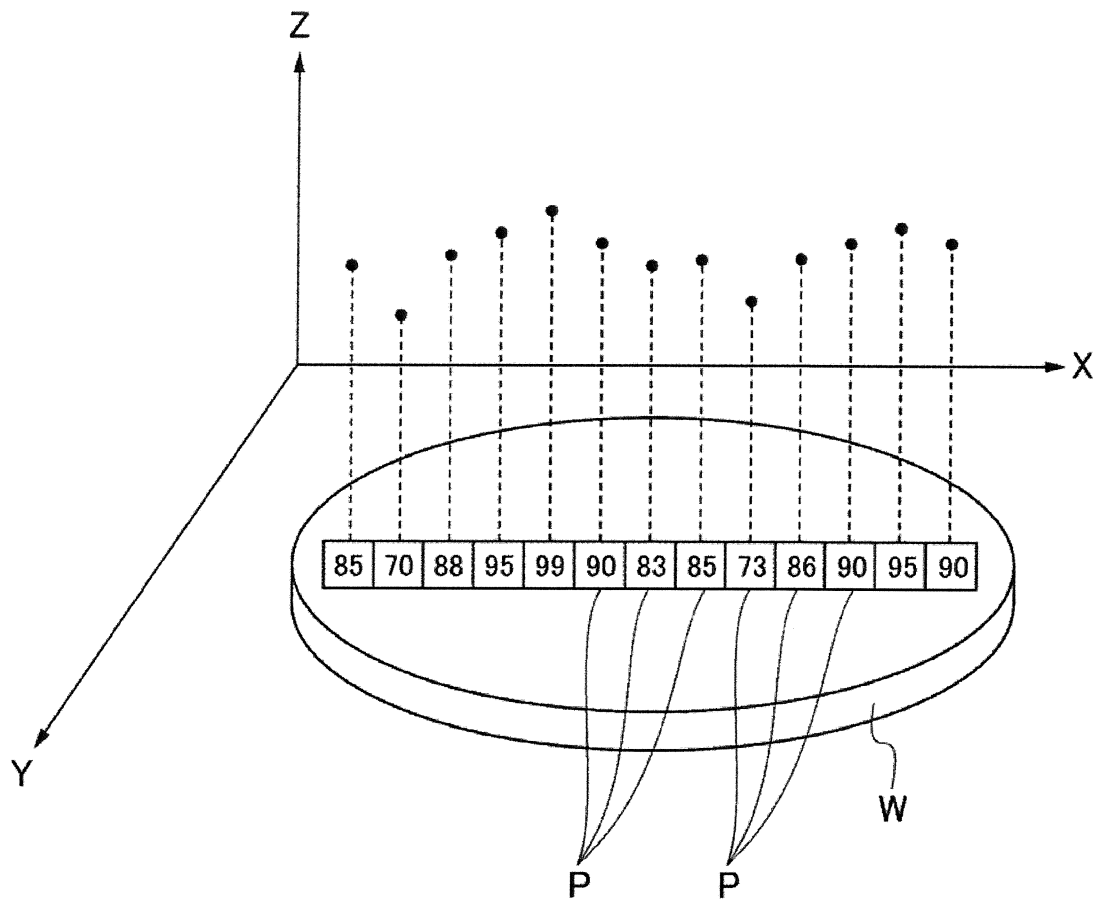


FIG.4

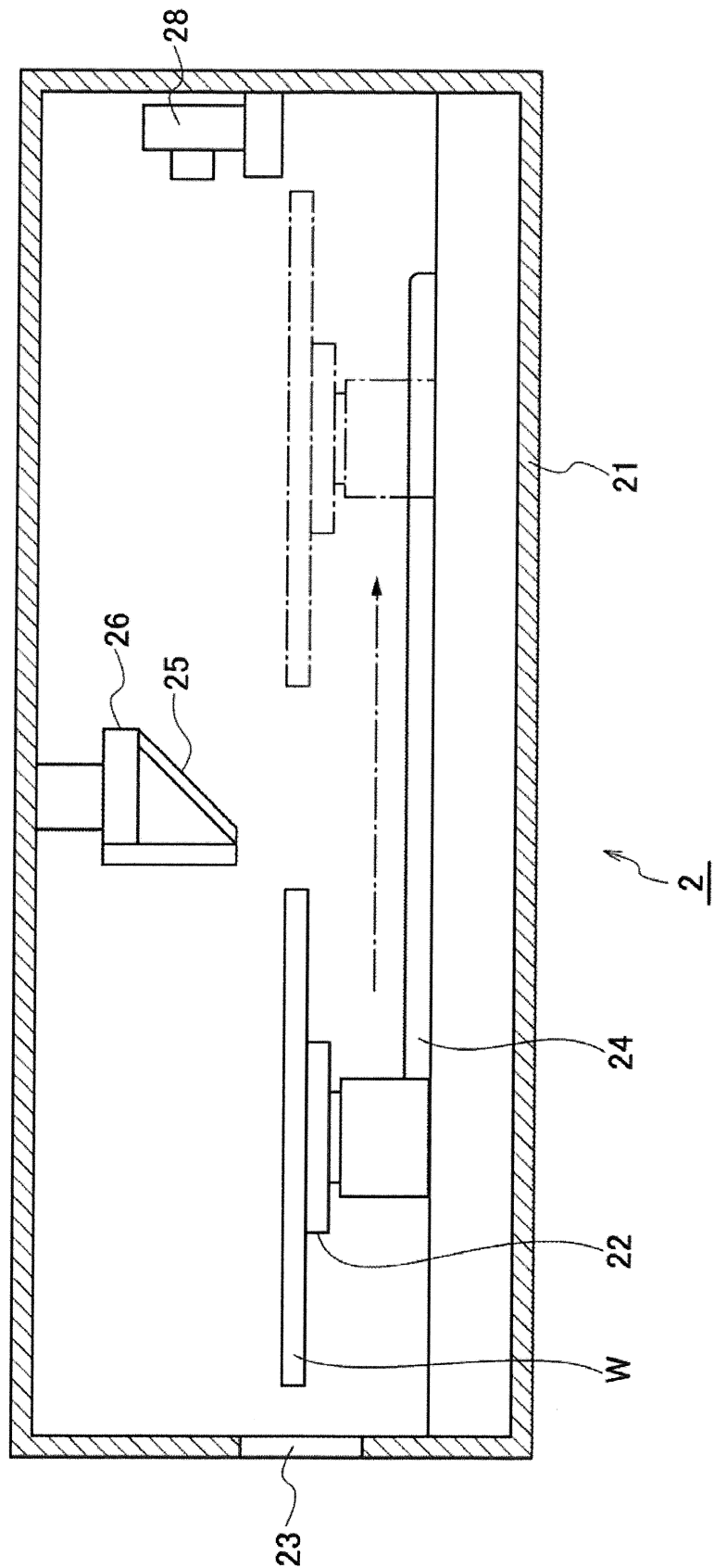


FIG.5

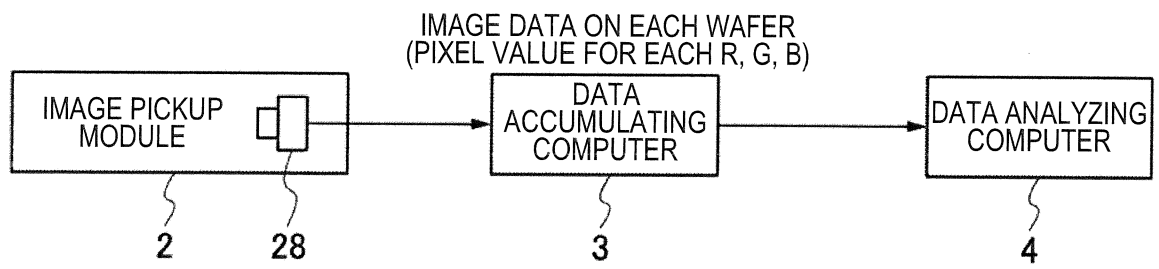
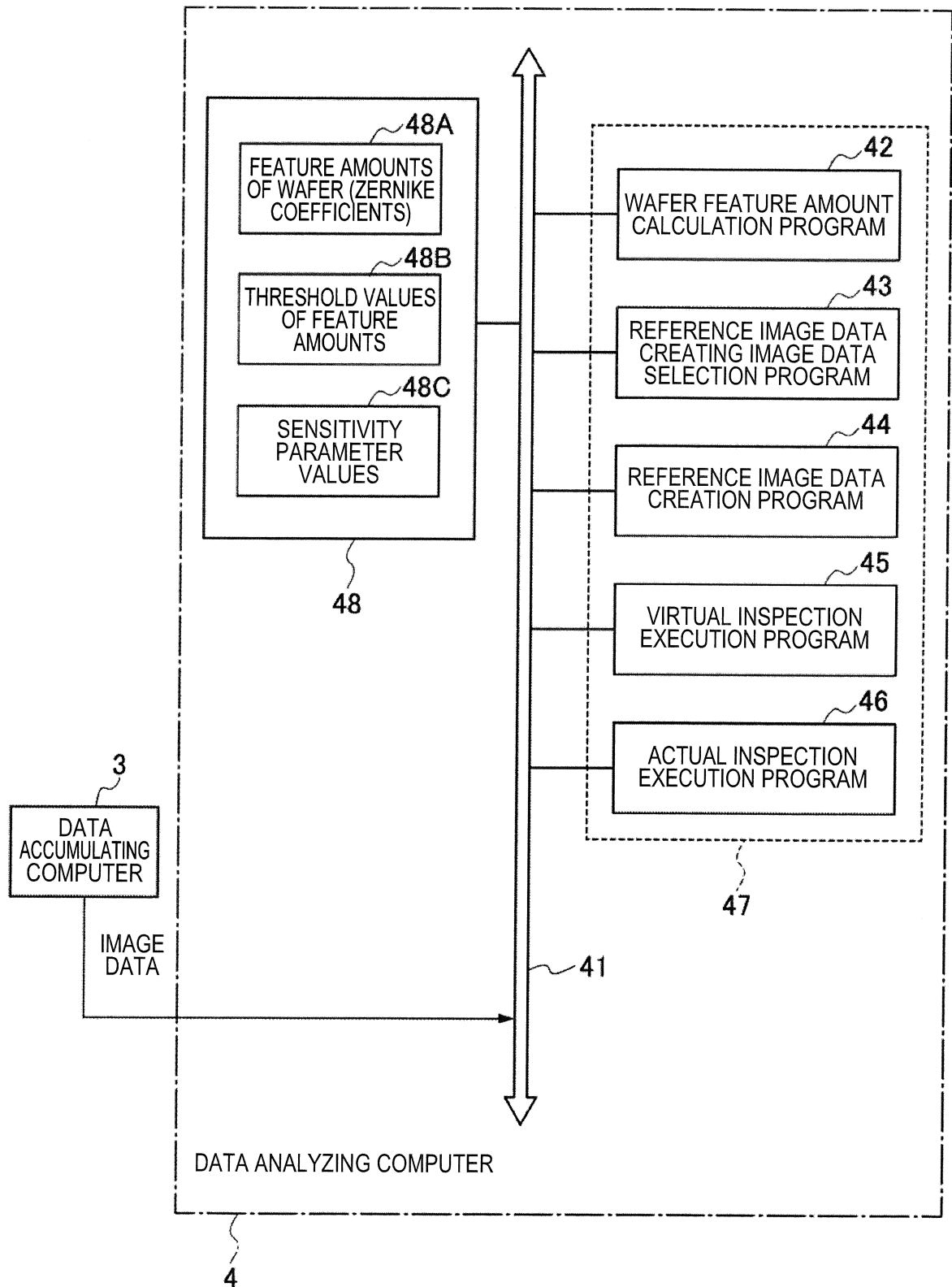


FIG. 6



**FIG.7**

| WAFER NUMBER | RGB | ZERNIKE COEFFICIENT (FEATURE AMOUNT) Z1 |
|--------------|-----|-----------------------------------------|
| 1            | R   | 199.072                                 |
|              | G   | 190.2805                                |
|              | B   | 128.7317                                |
| 2            | R   | 186.684                                 |
|              | G   | 172.689                                 |
|              | B   | 158.2237                                |
| 3            | R   | 198.696                                 |
|              | G   | 191.4602                                |
|              | B   | 135.4903                                |
| .            | .   | .                                       |
| .            | .   | .                                       |
| .            | .   | .                                       |
| 100          | R   | 189.1831                                |
|              | G   | 189.9453                                |
|              | B   | 125.9754                                |

FIG.8

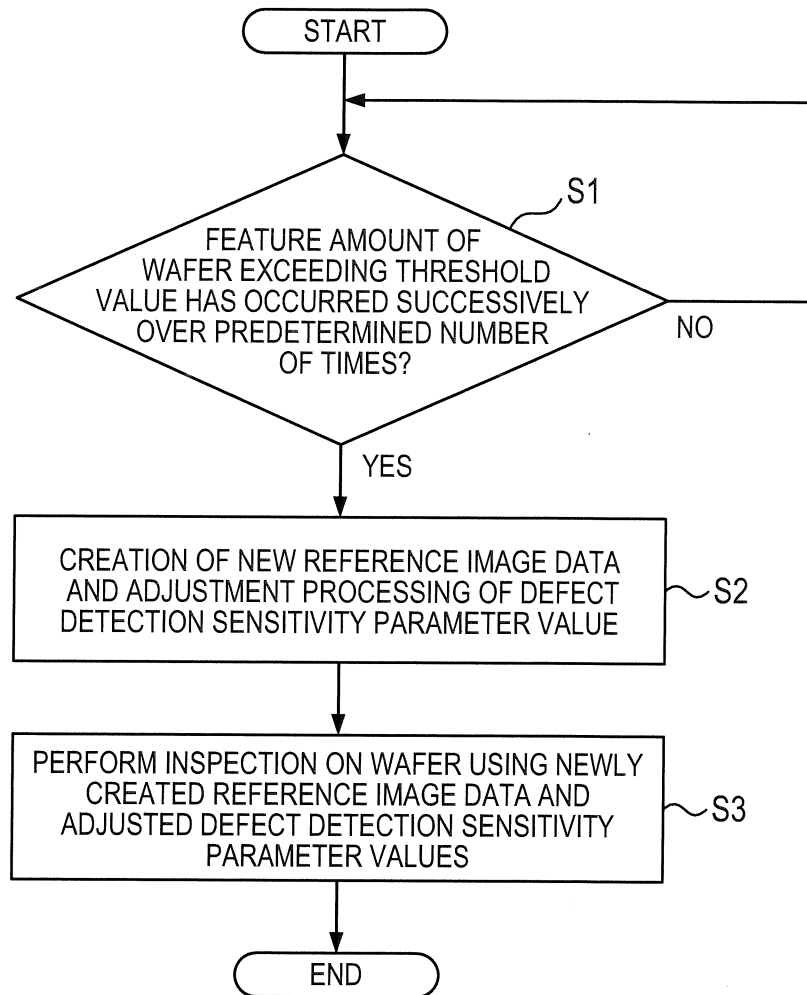


FIG.9

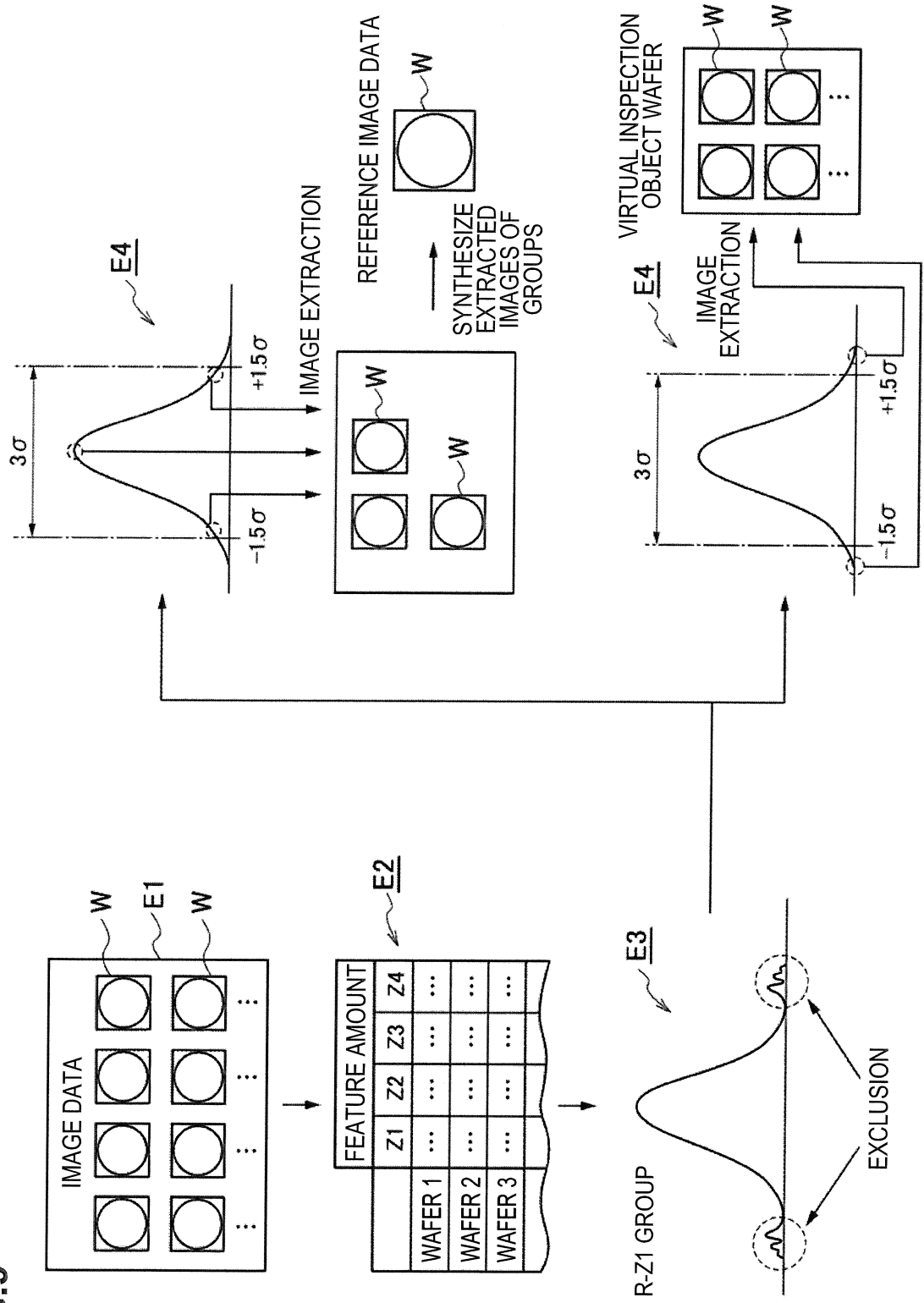


FIG.10

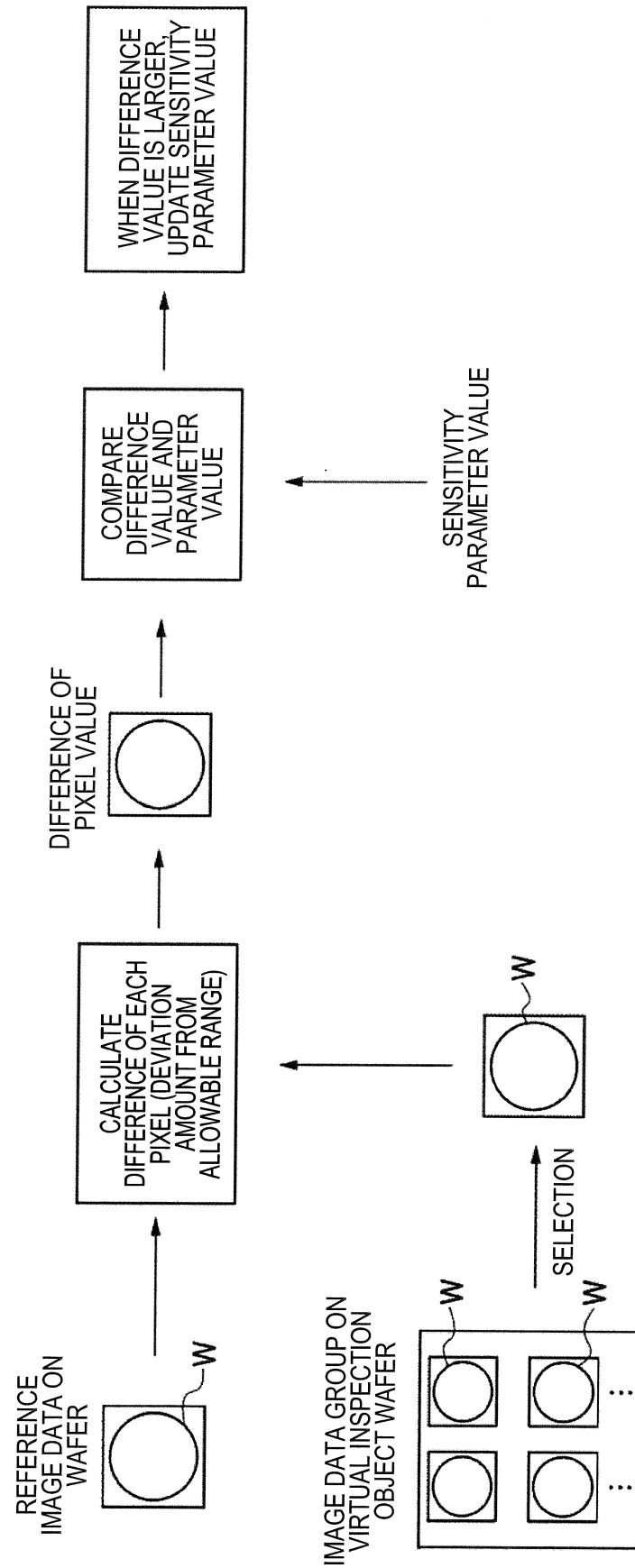


FIG.11

| ZERNIKE COEFFICIENT<br>(FEATURE AMOUNT) |     | WAFER NUMBER |          |          |          |
|-----------------------------------------|-----|--------------|----------|----------|----------|
|                                         |     | 1            | 2        | 3        | 1000     |
| Z1                                      | RGB |              |          |          |          |
|                                         | R   | 199.072      | 186.684  | 198.696  | 189.1831 |
|                                         | G   | 190.2805     | 172.689  | 191.4602 | 189.9453 |
|                                         | B   | 128.7317     | 158.2237 | 135.4903 | 125.9754 |

→

R-Z1 GROUP

FIG.12

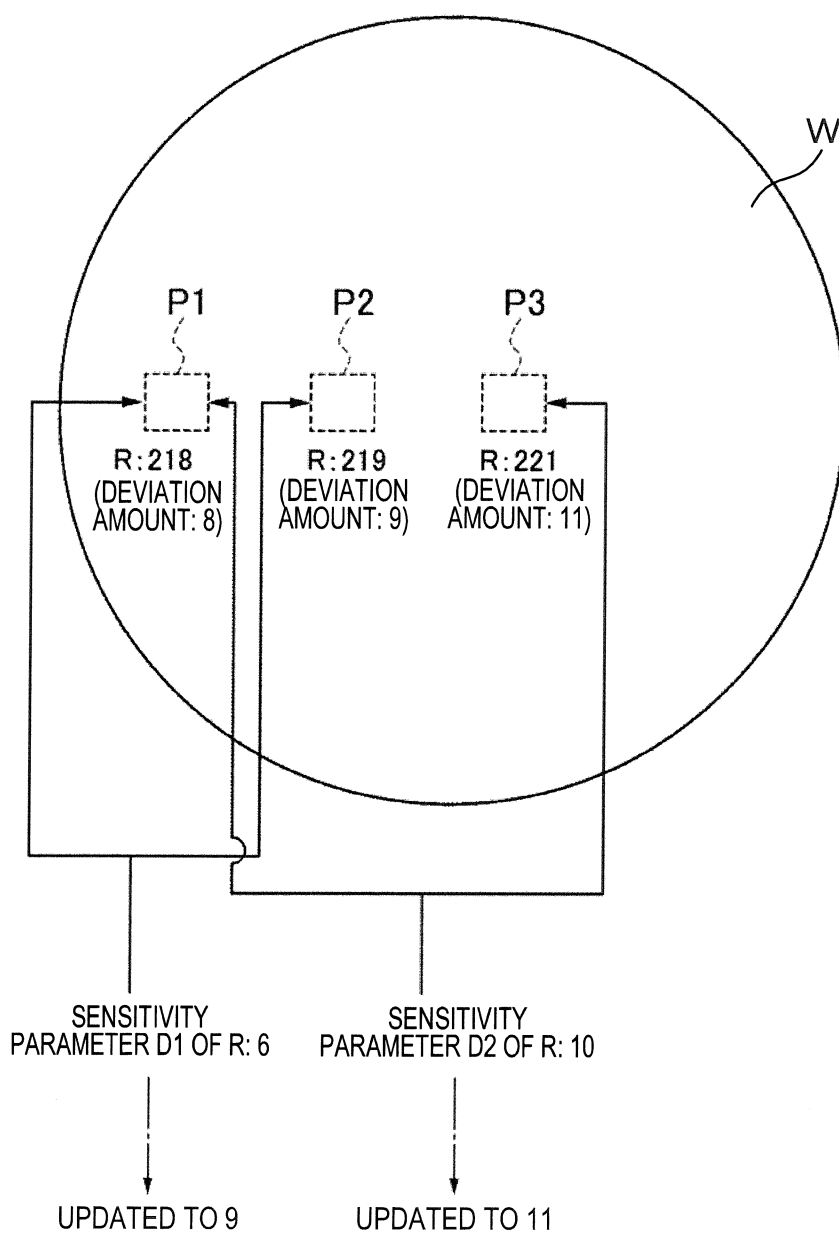


FIG.13

