

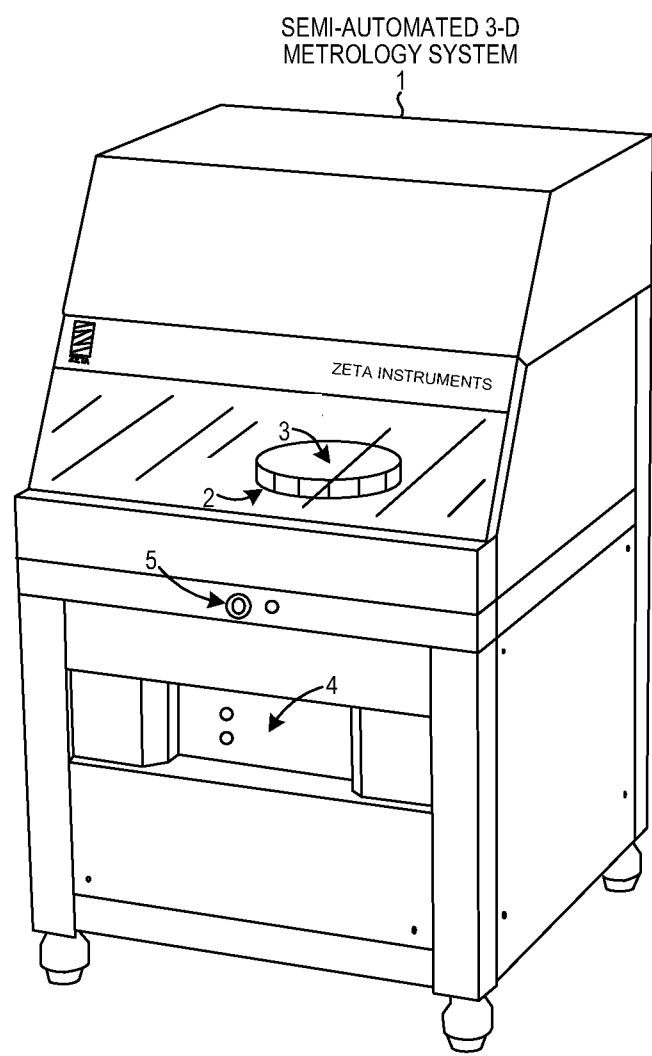


FIG. 1

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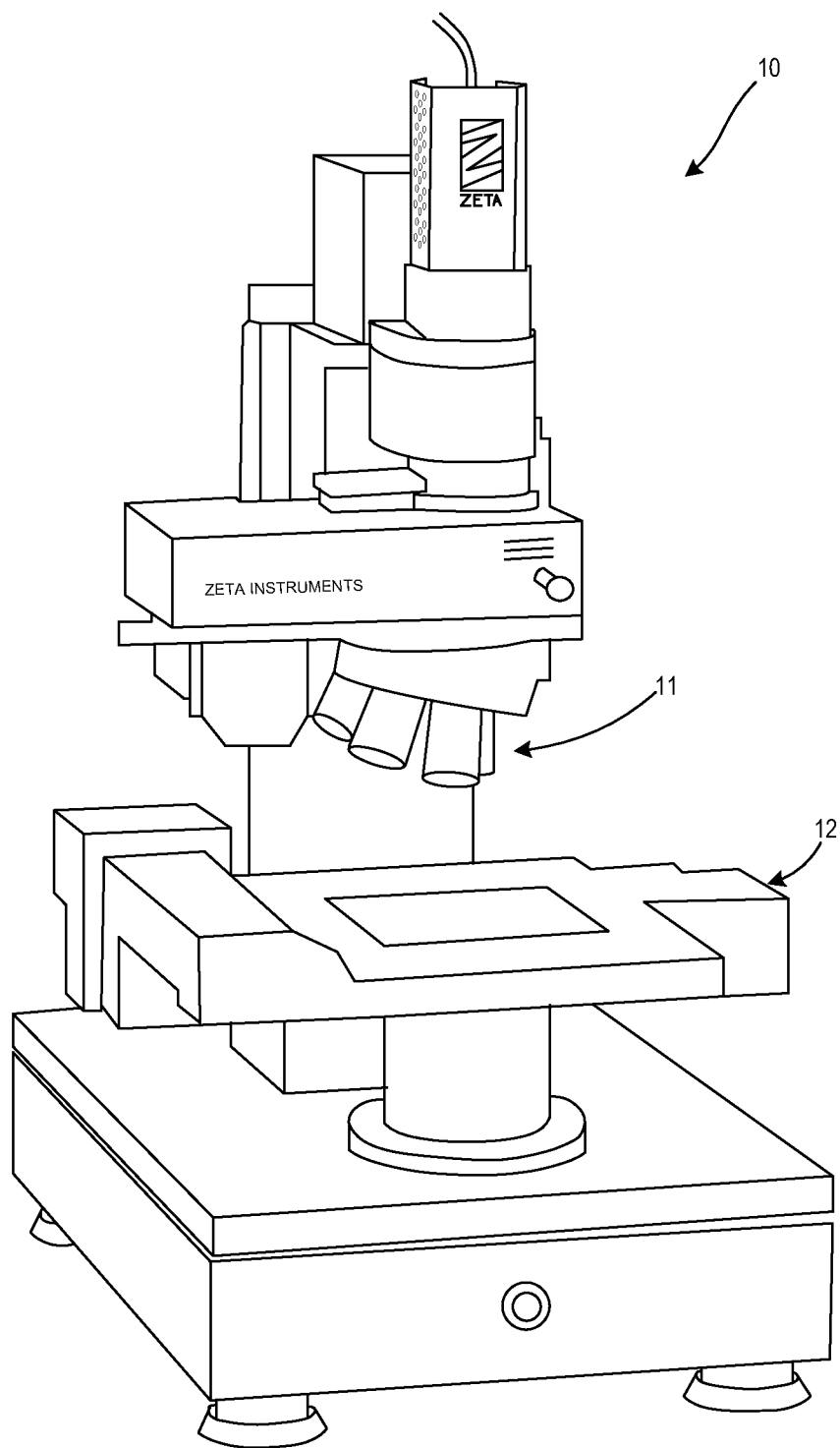


FIG. 2

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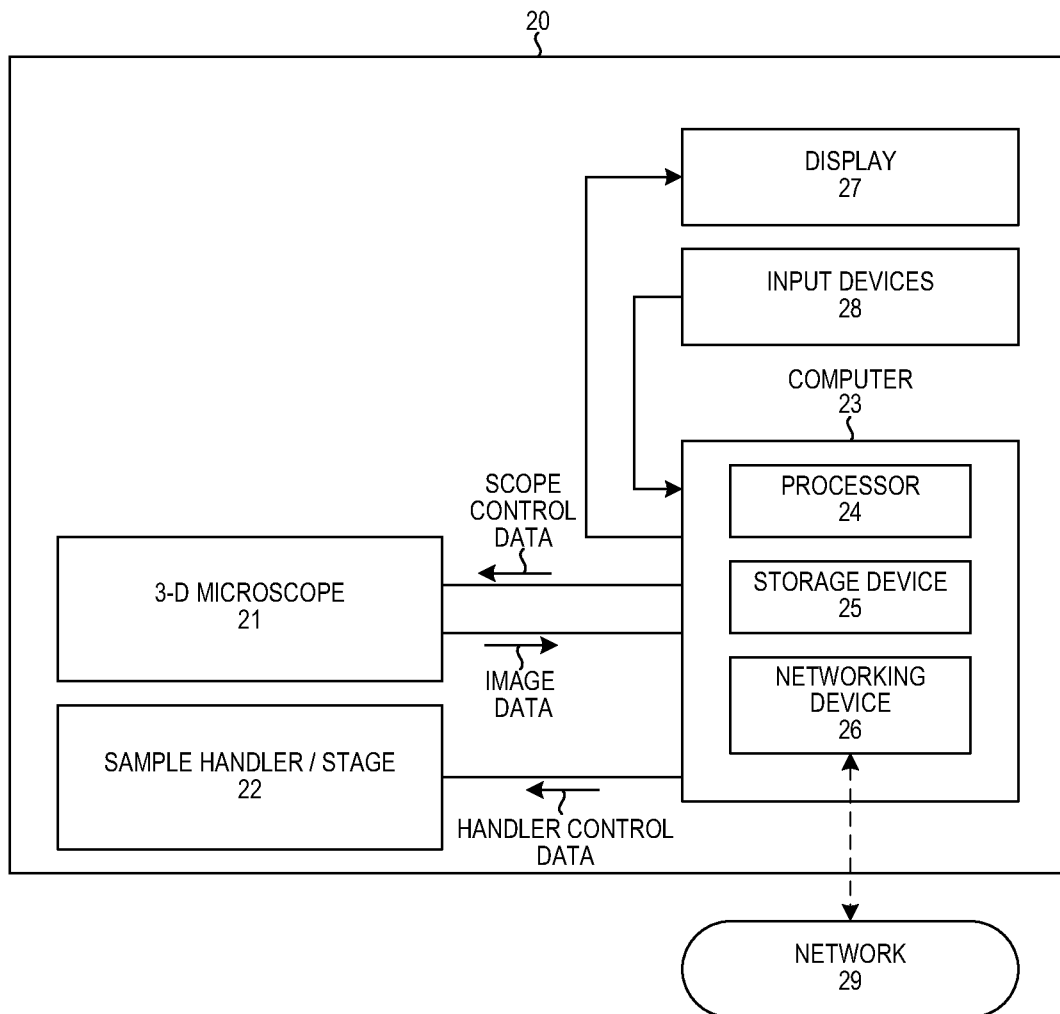


FIG. 3

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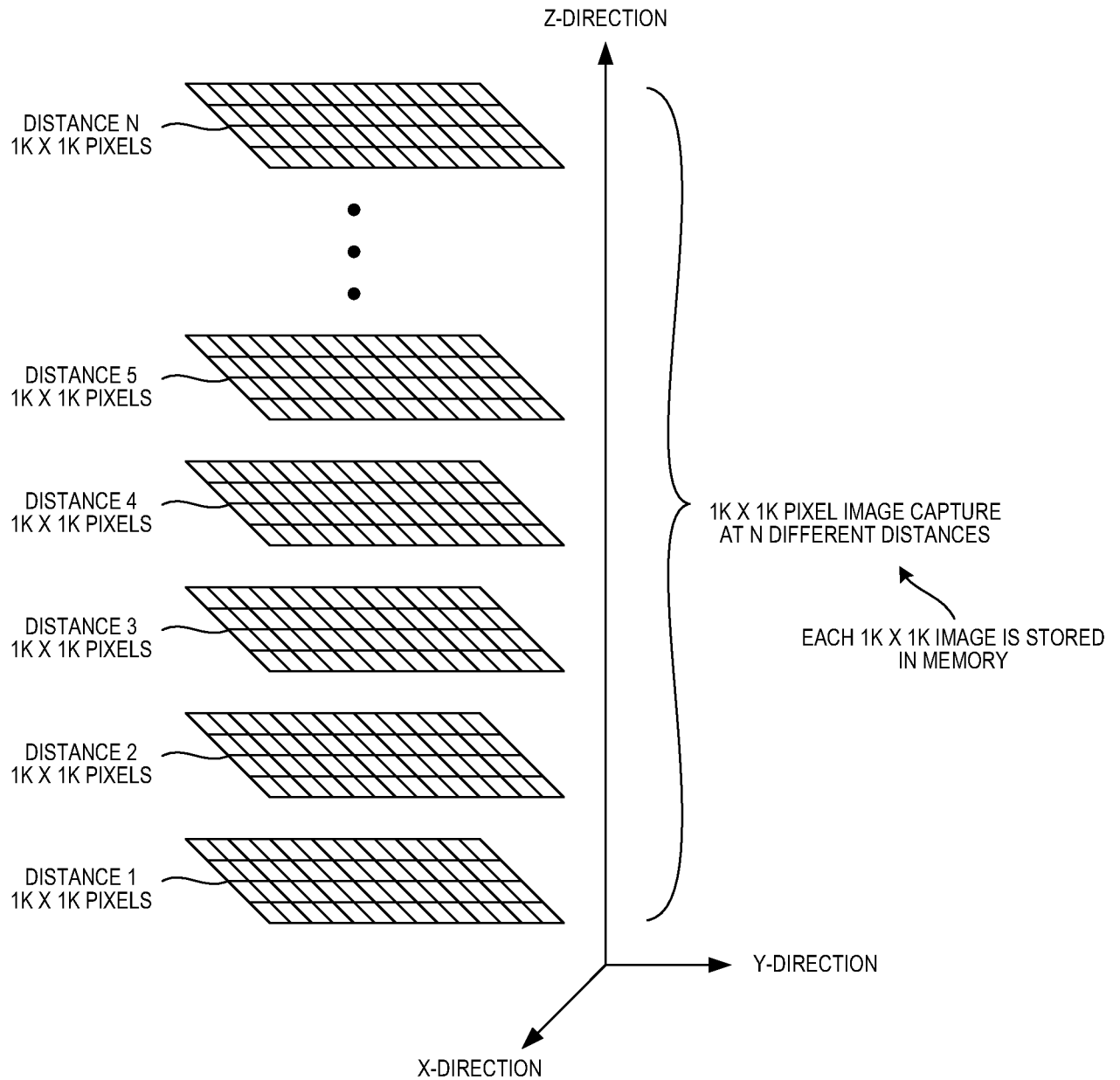


FIG. 4

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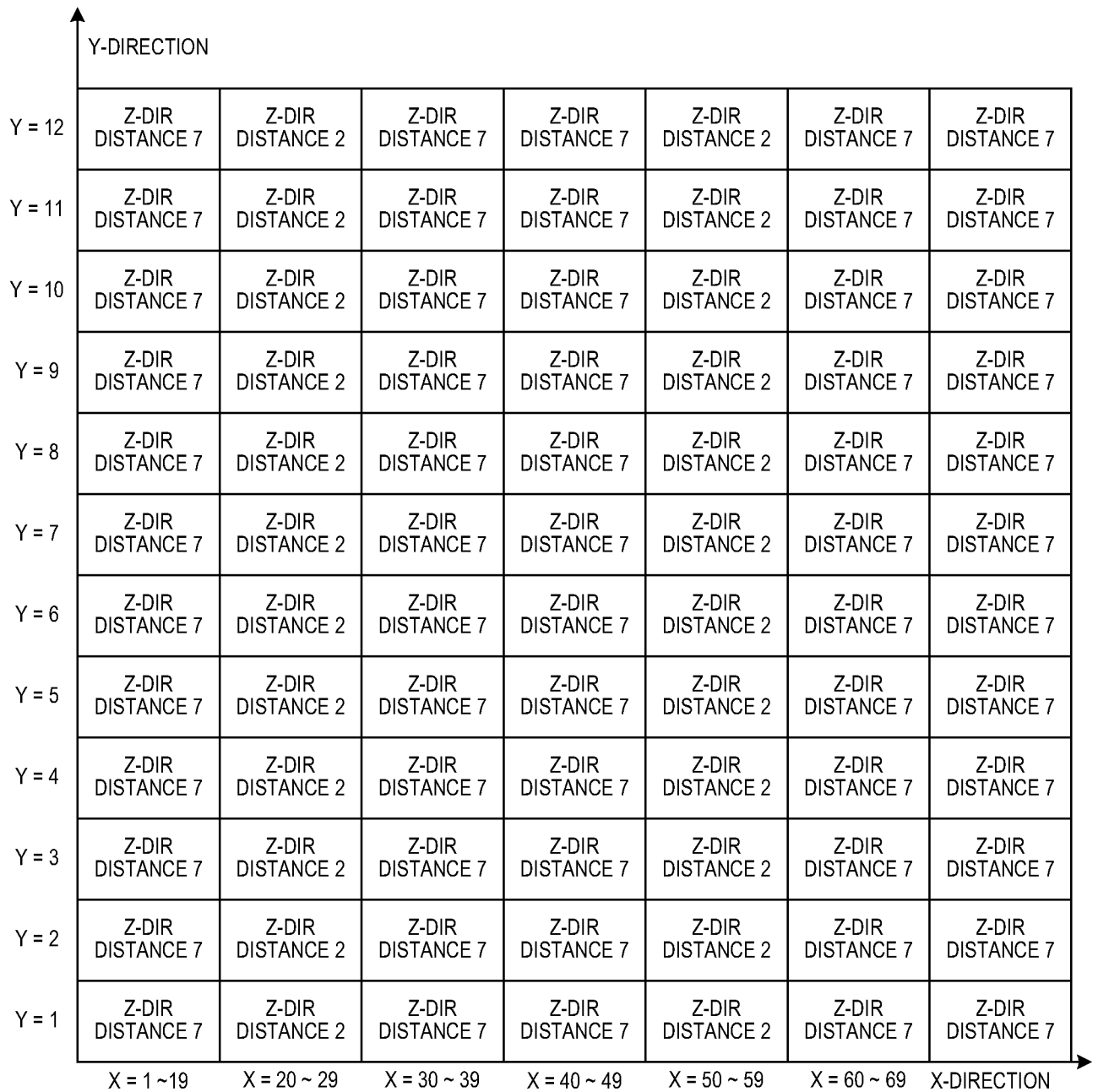


FIG. 5

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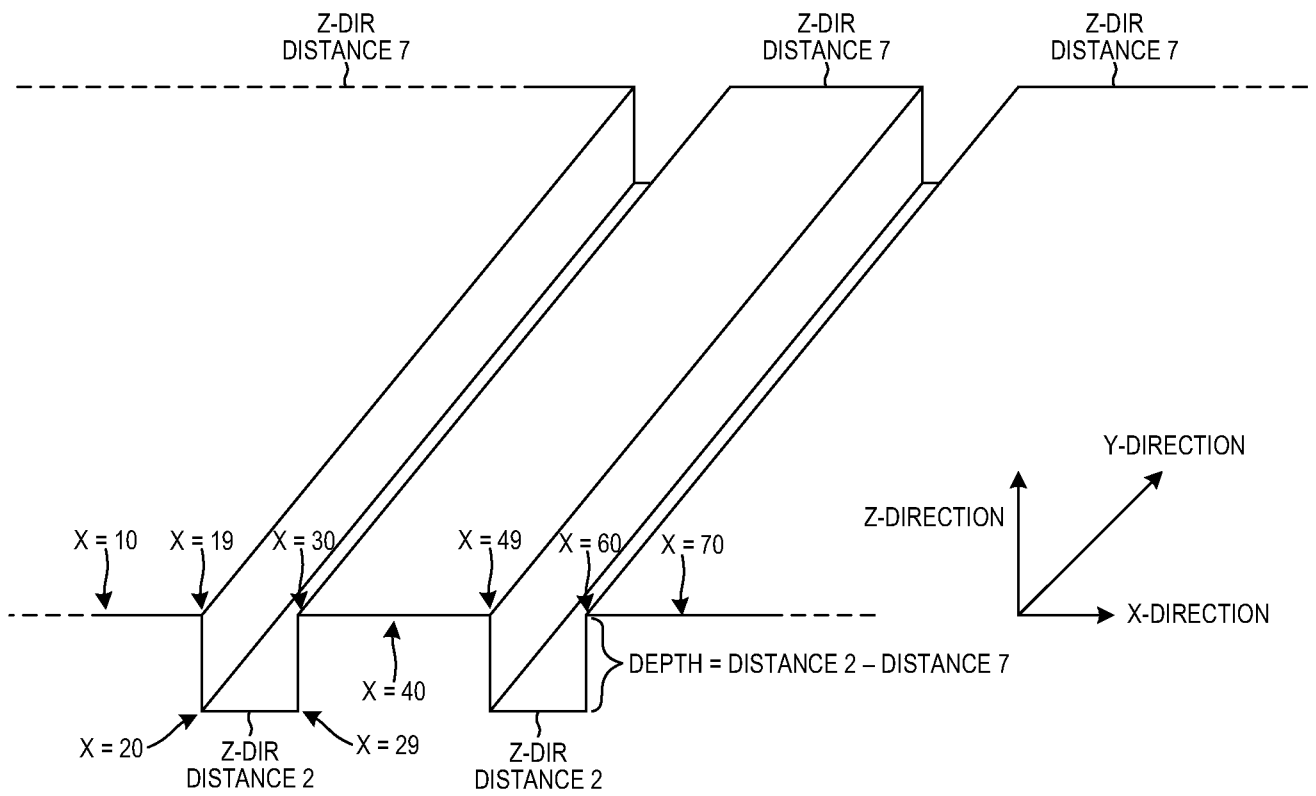


FIG. 6

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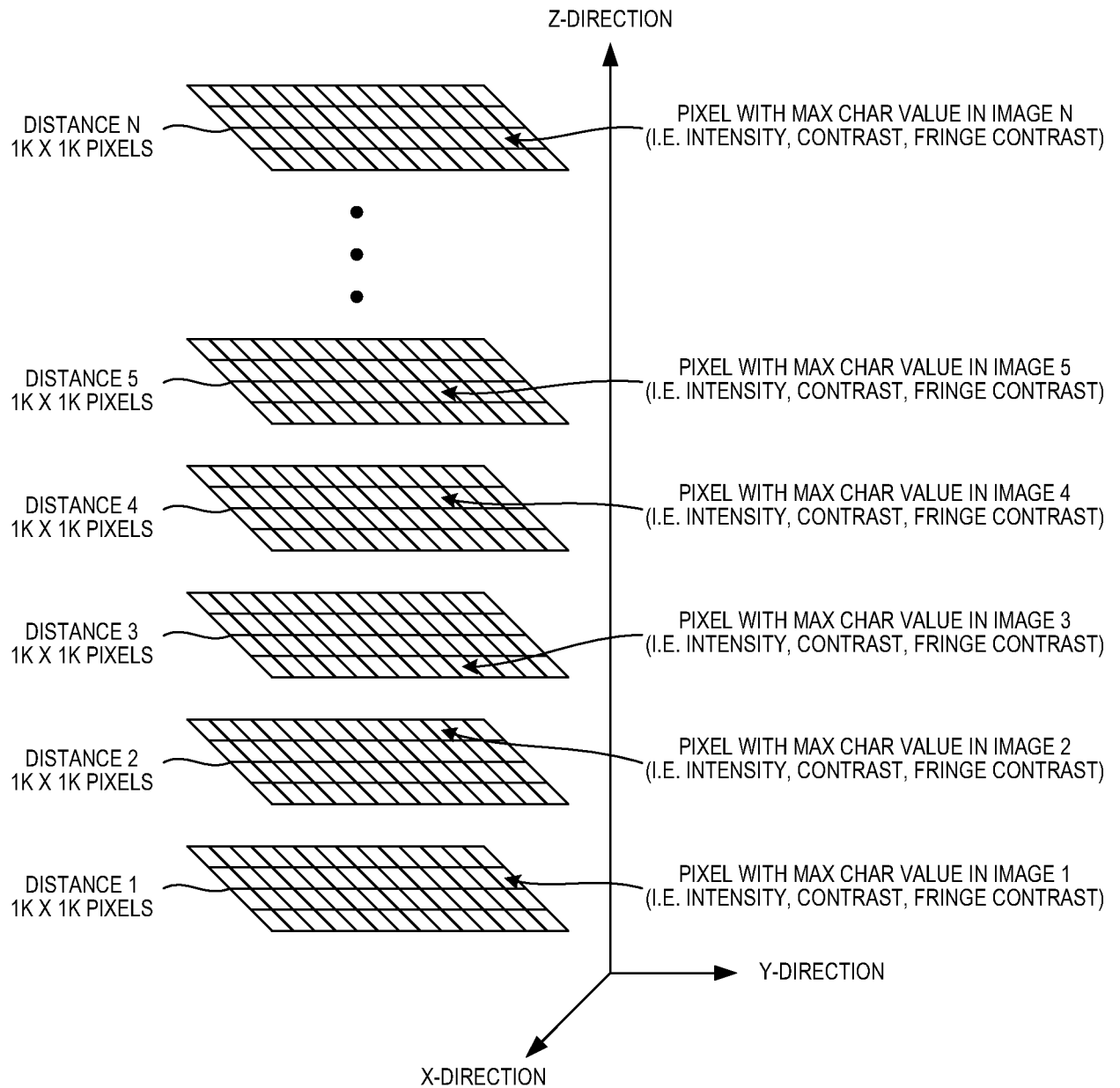


FIG. 7

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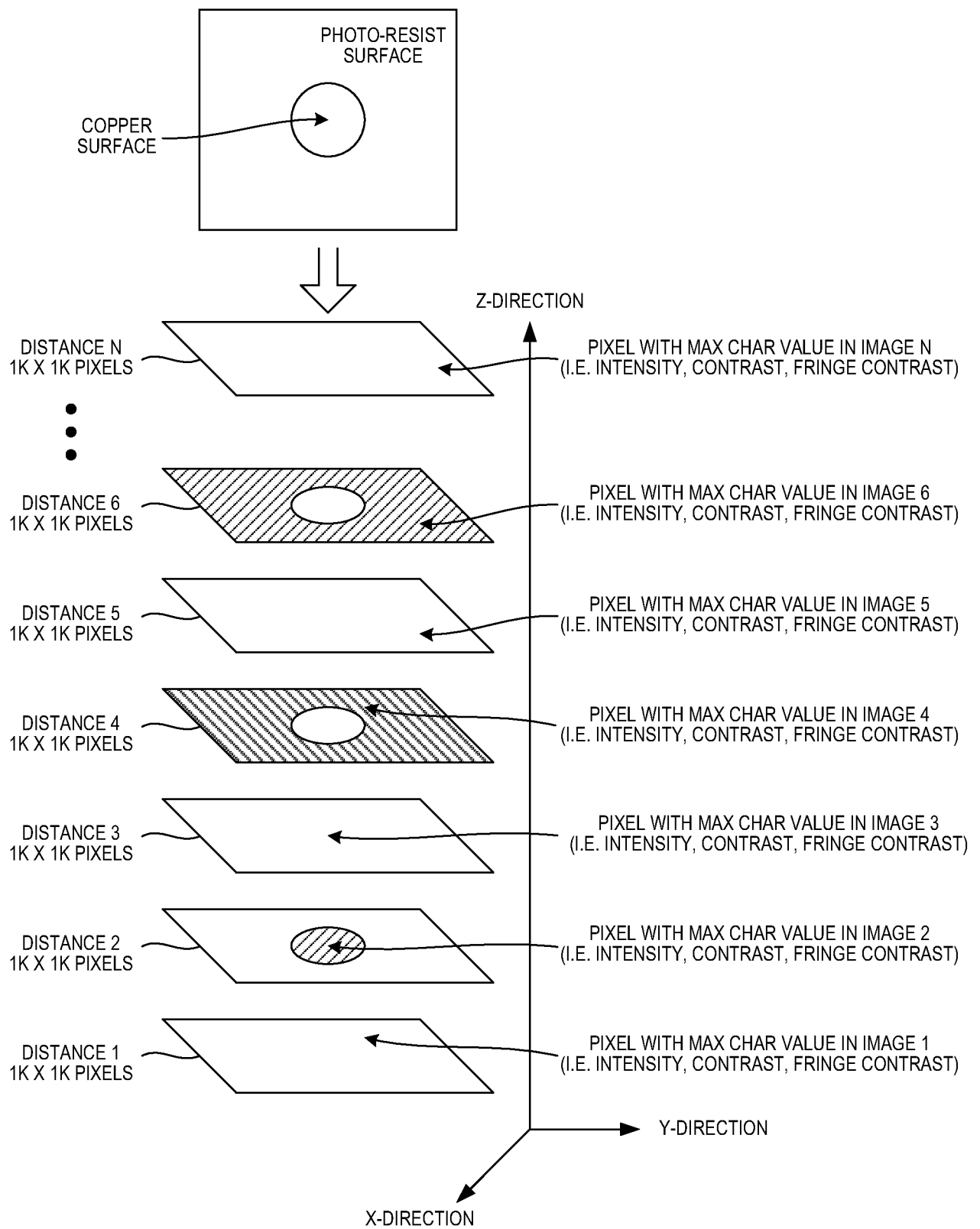


FIG. 8

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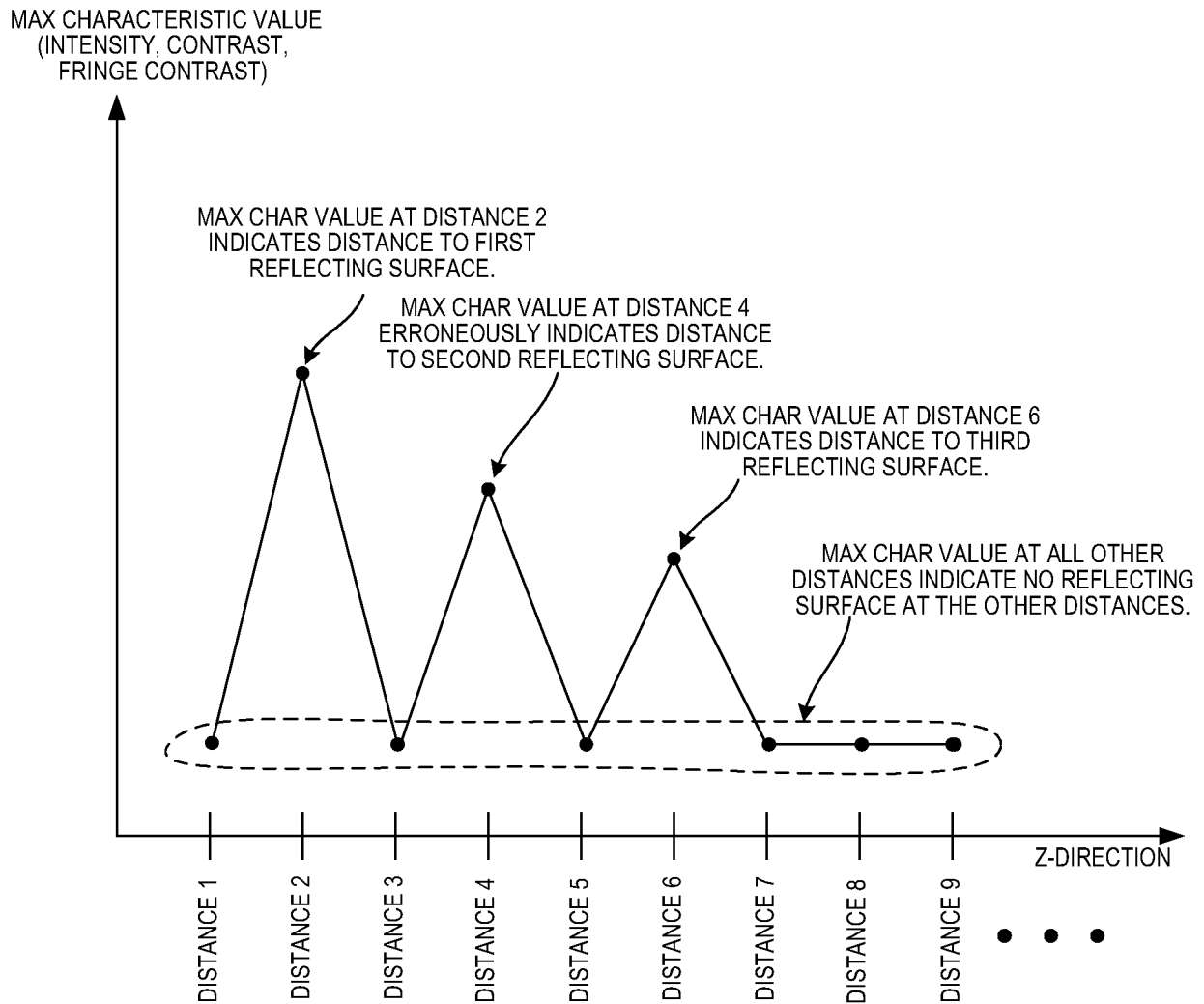


FIG. 9

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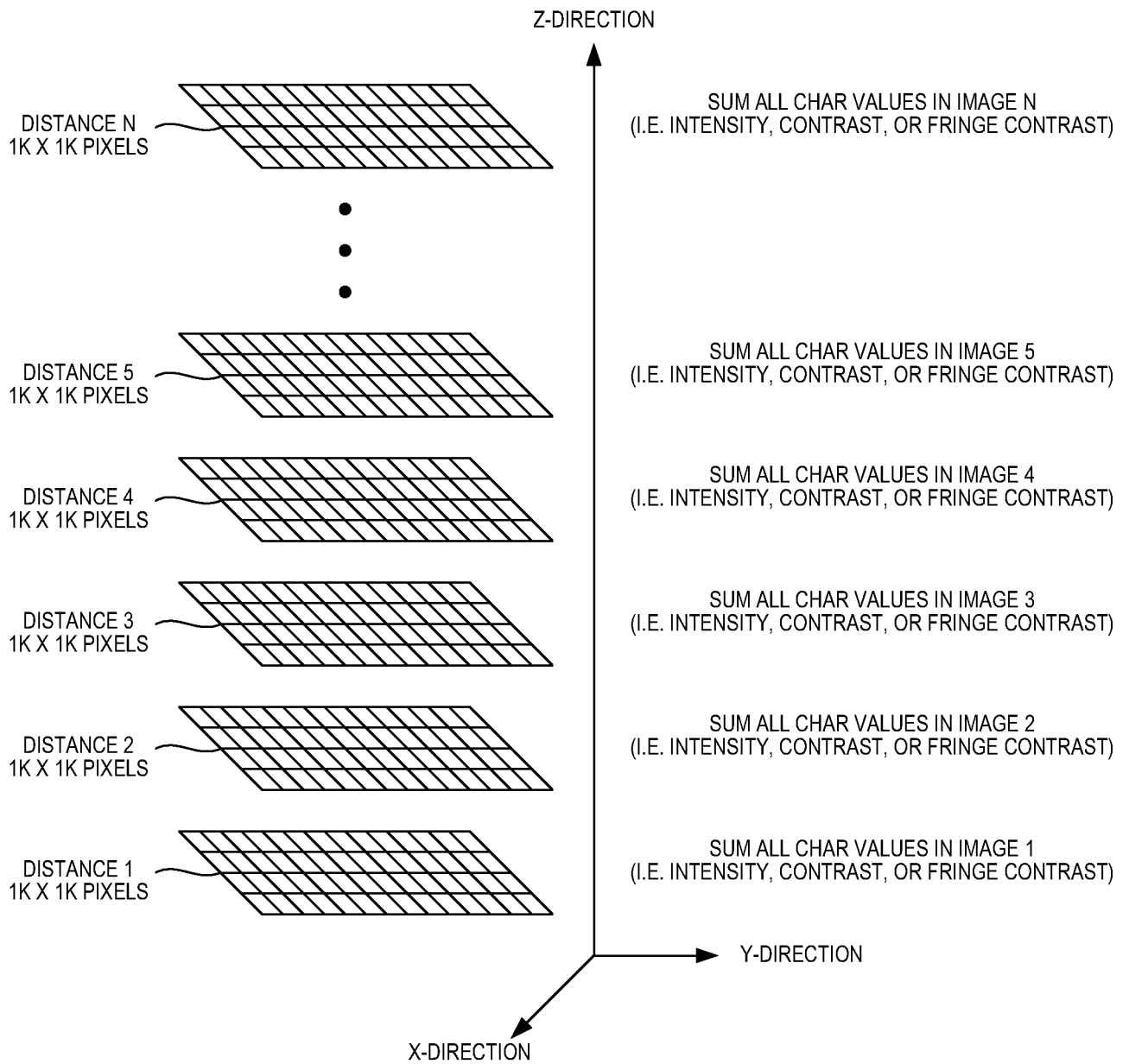


FIG. 10

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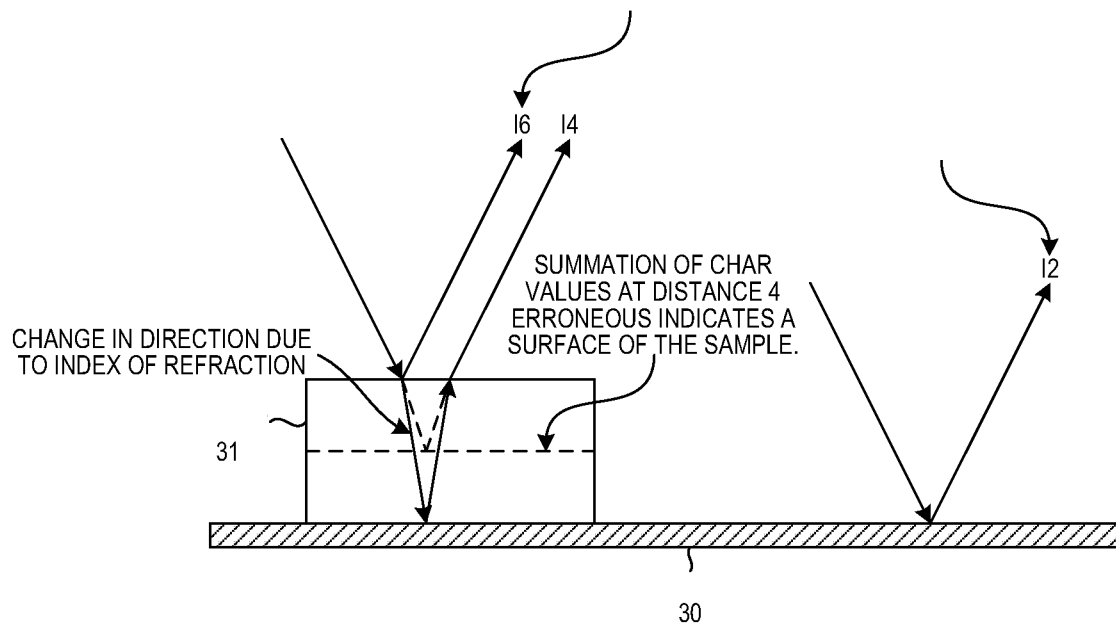


FIG. 11

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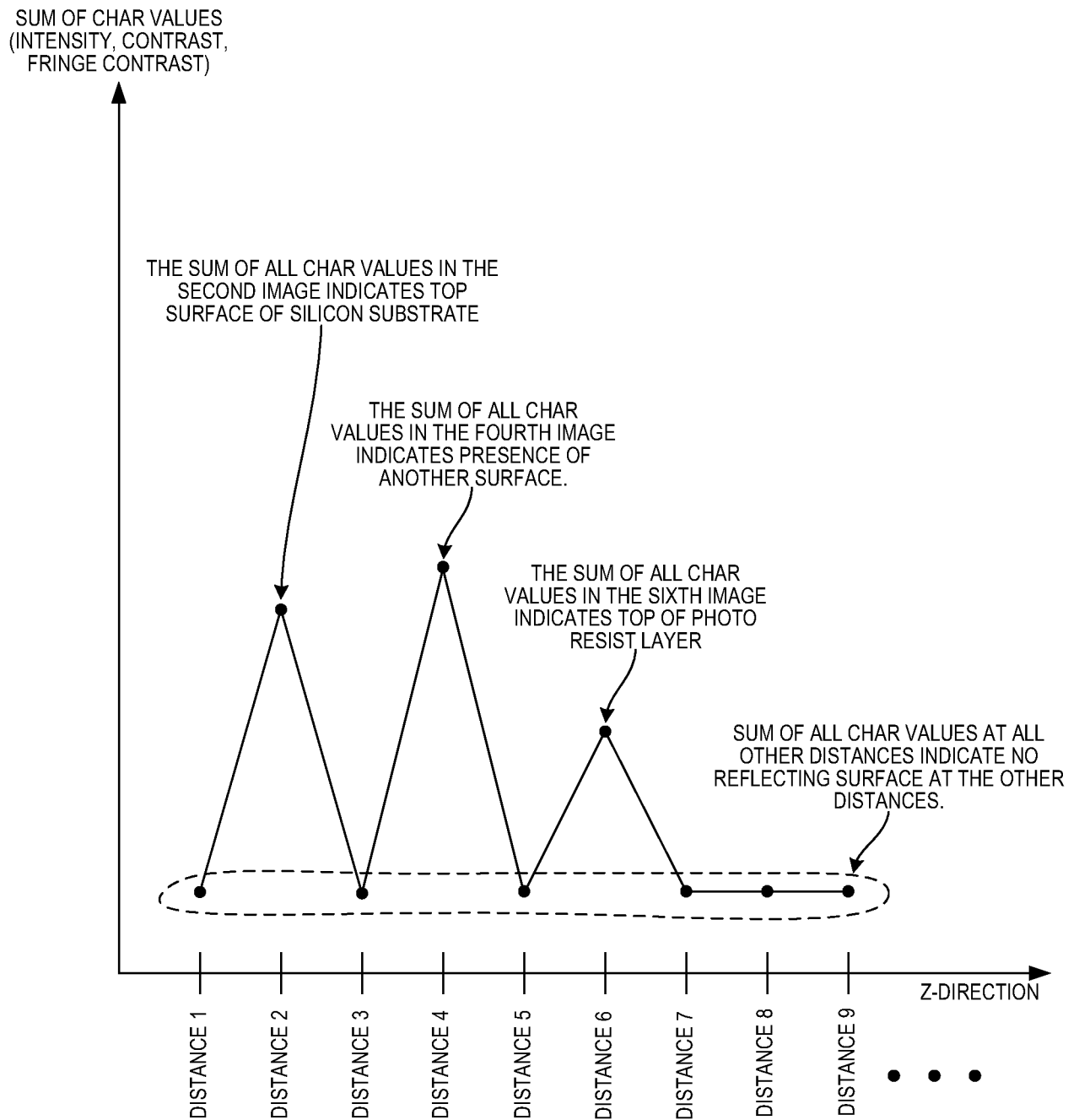


FIG. 12

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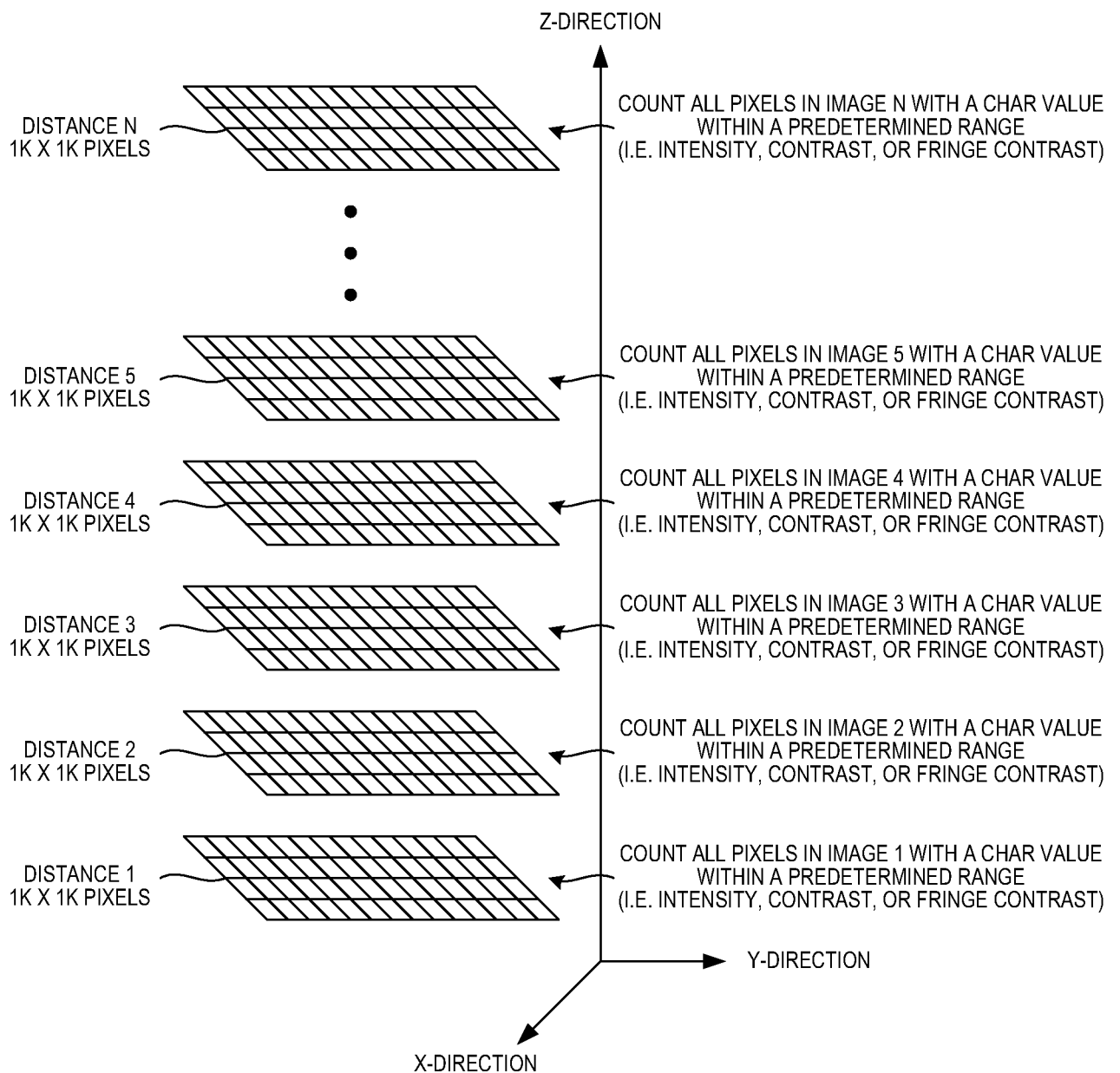
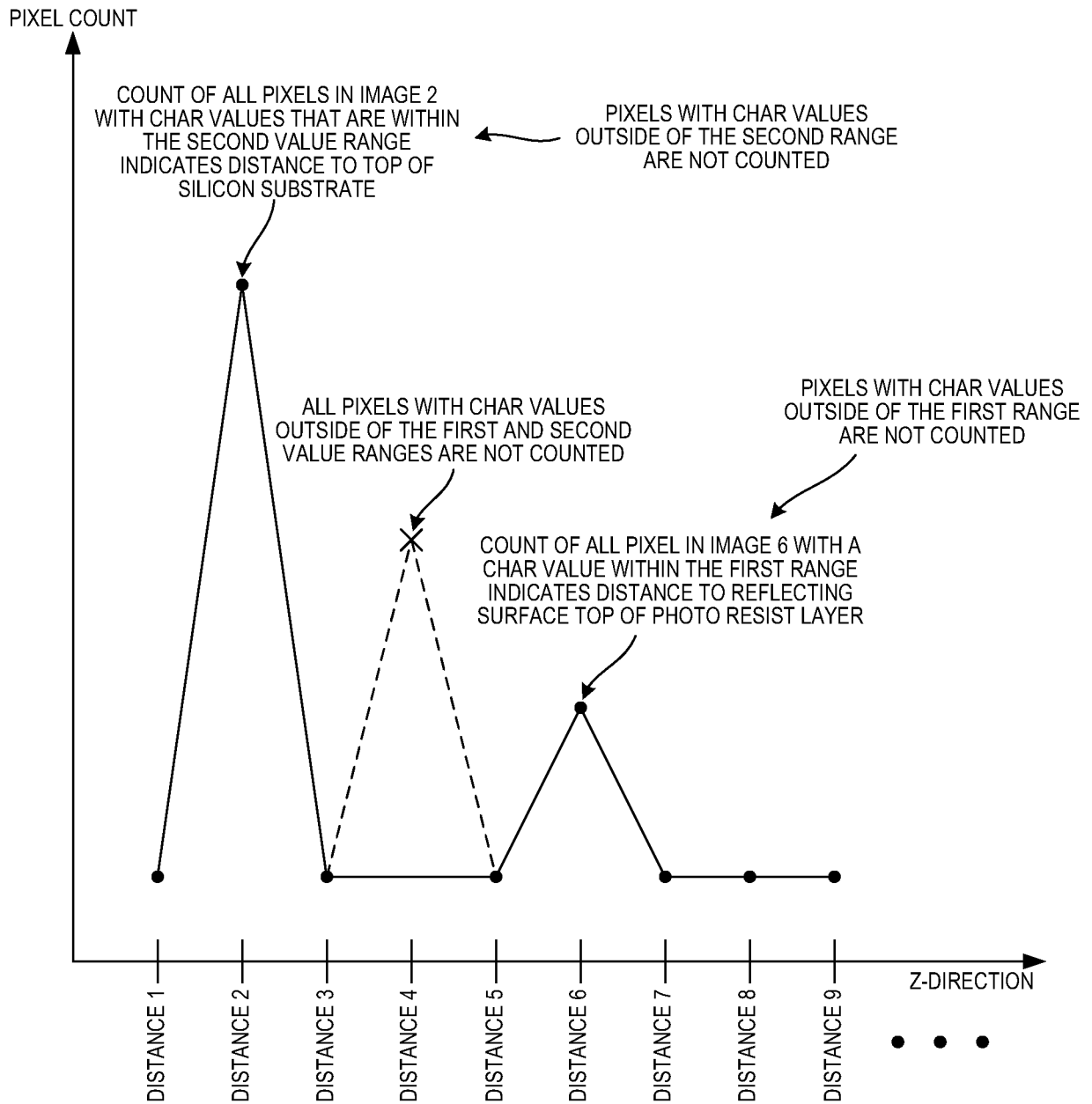


FIG. 13

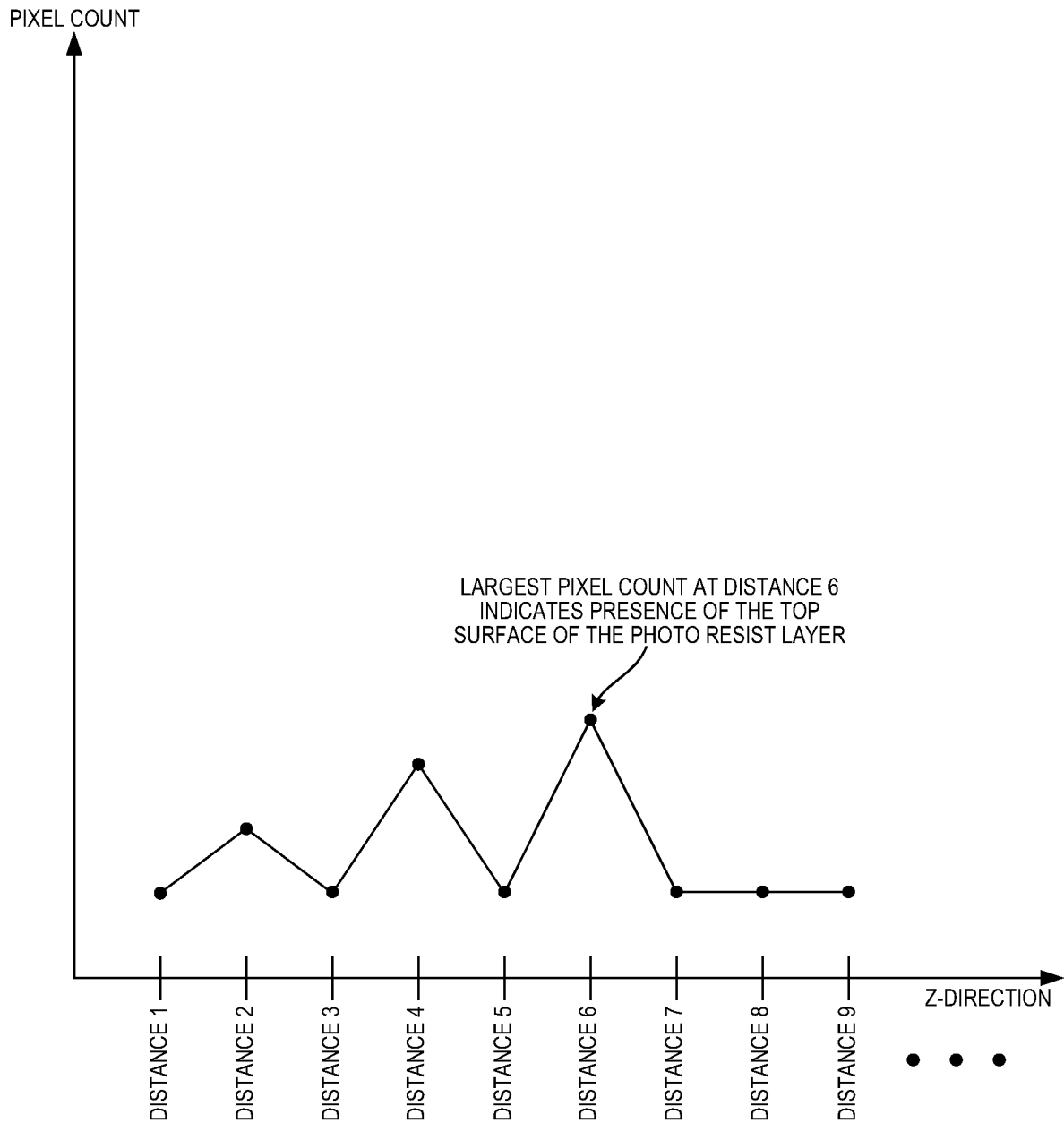
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ALL PIXELS WITH A VALUE OUTSIDE THE FIRST AND SECOND RANGES ARE FILTERED OUT, THEREBY REMOVING THE ERRONEOUS INDICATION OF A THIRD SURFACE THAT DOESN'T EXIST AT DISTANCE 4.

FIG. 14

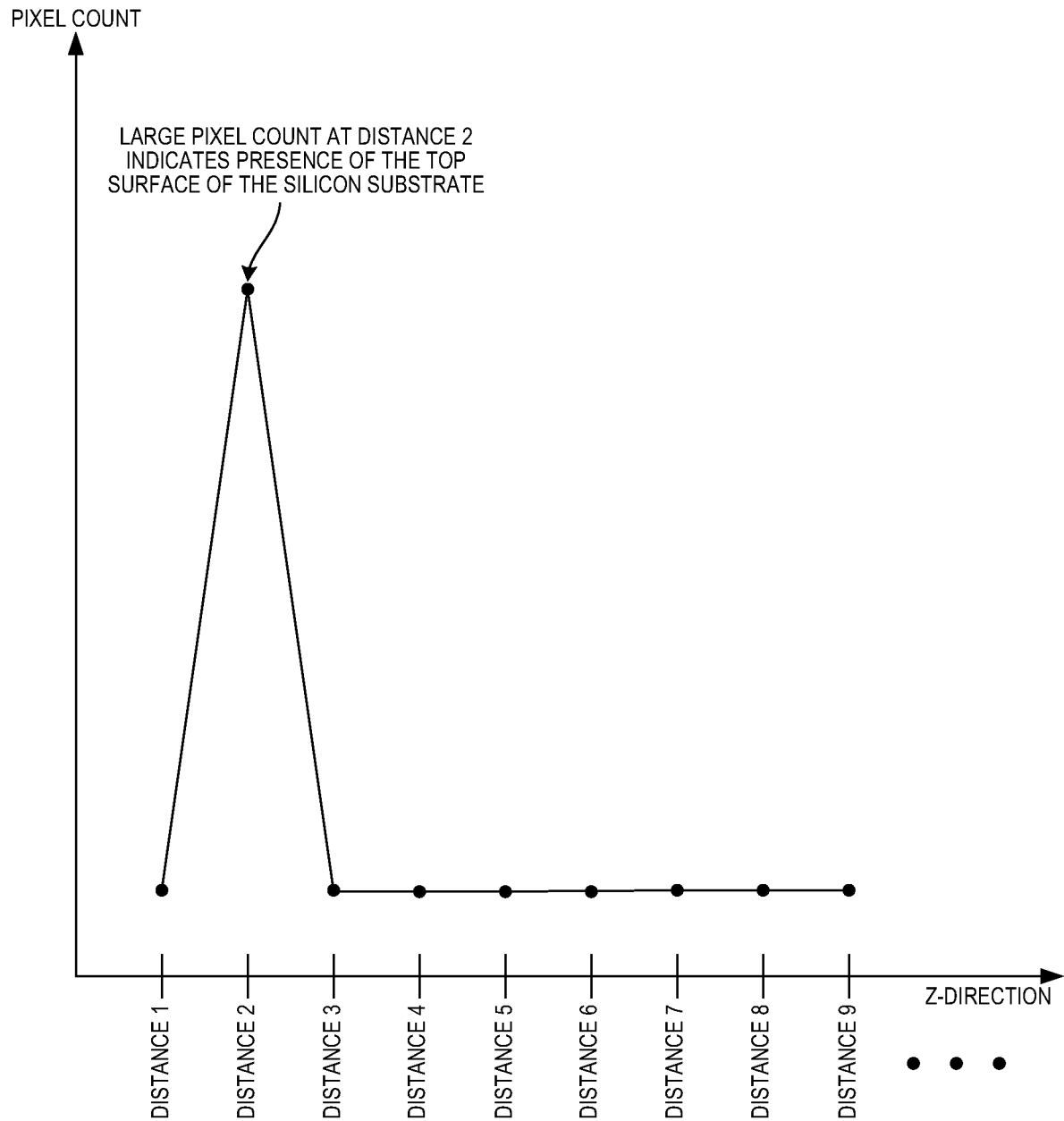
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ALL PIXELS WITH A VALUE OUTSIDE THE FIRST RANGE ARE FILTERED OUT, THEREBY ONLY INDICATING A COUNT OF PIXELS THAT INDICATE THE PRESENCE OF THE TOP SURFACE OF THE PHOTO-RESIST LAYER.

FIG. 15

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ALL PIXELS WITH A VALUE OUTSIDE THE SECOND RANGE ARE FILTERED OUT, THEREBY ONLY INDICATING A COUNT OF PIXELS THAT INDICATE THE PRESENCE OF THE TOP SURFACE OF THE SILICON LAYER.

FIG. 16

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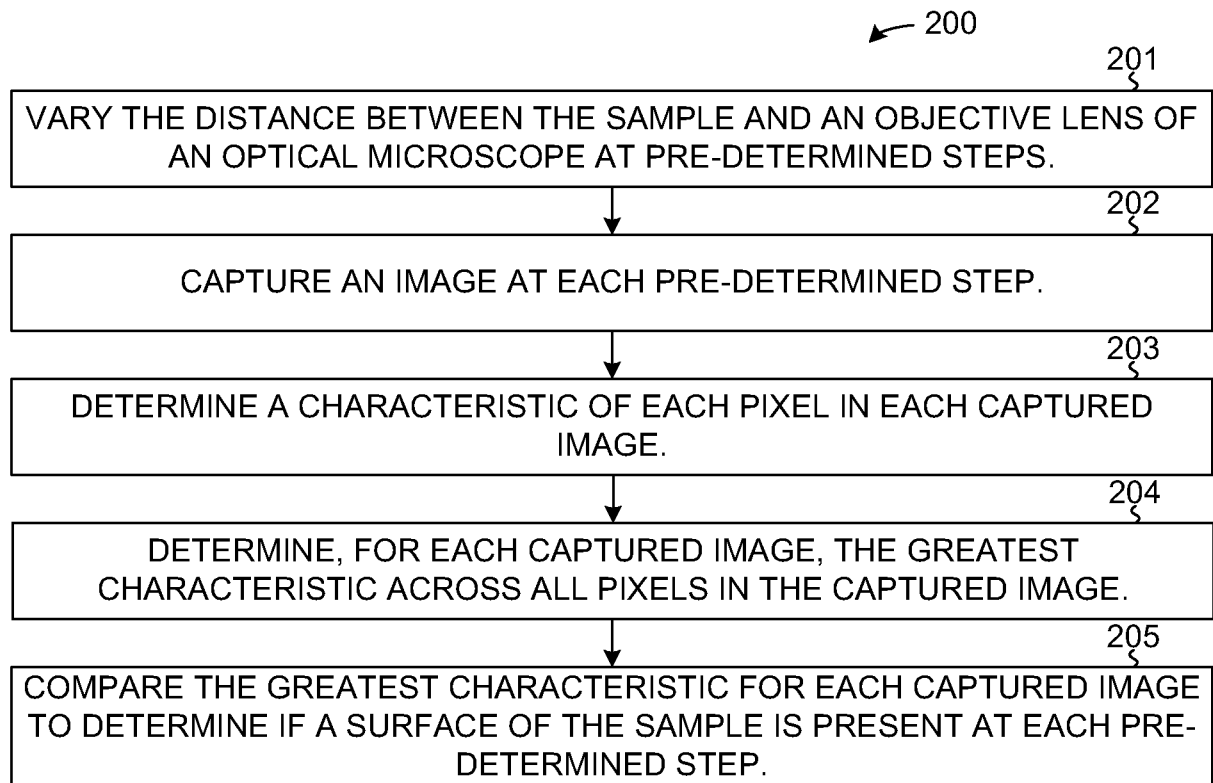


FIG. 17

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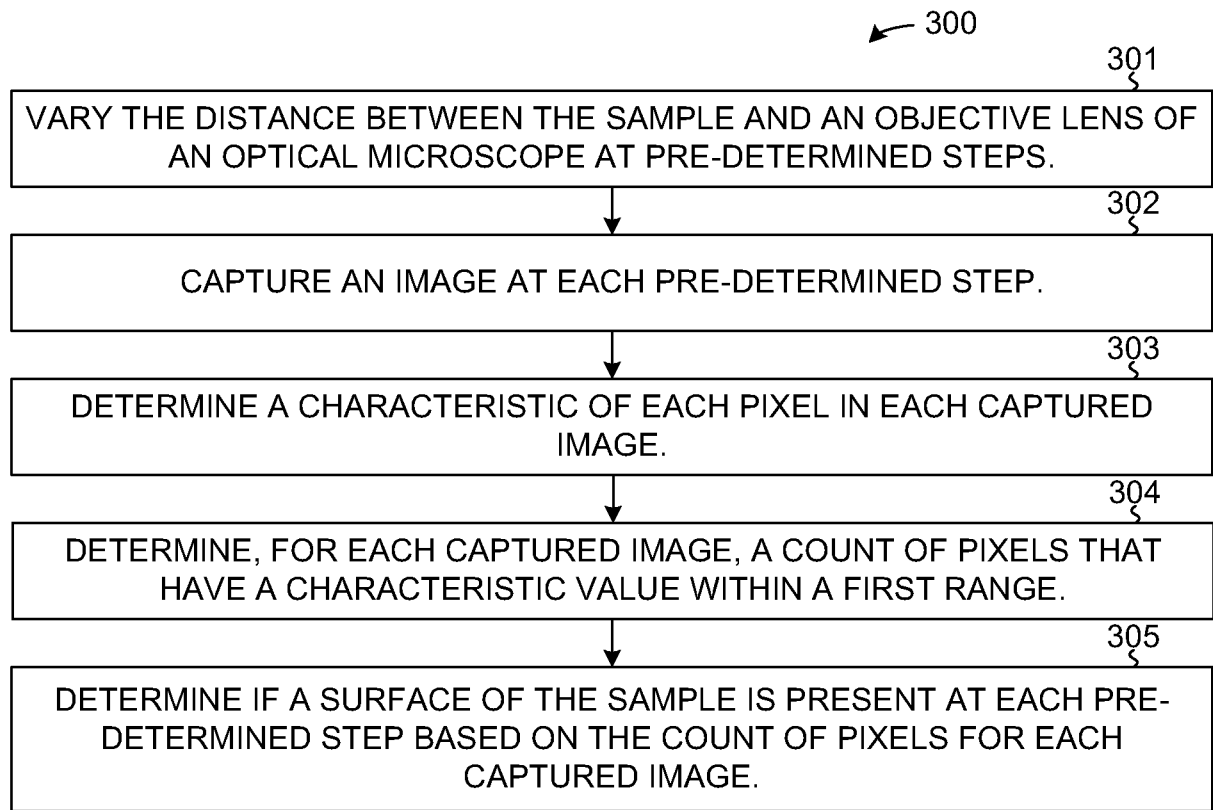


FIG. 18

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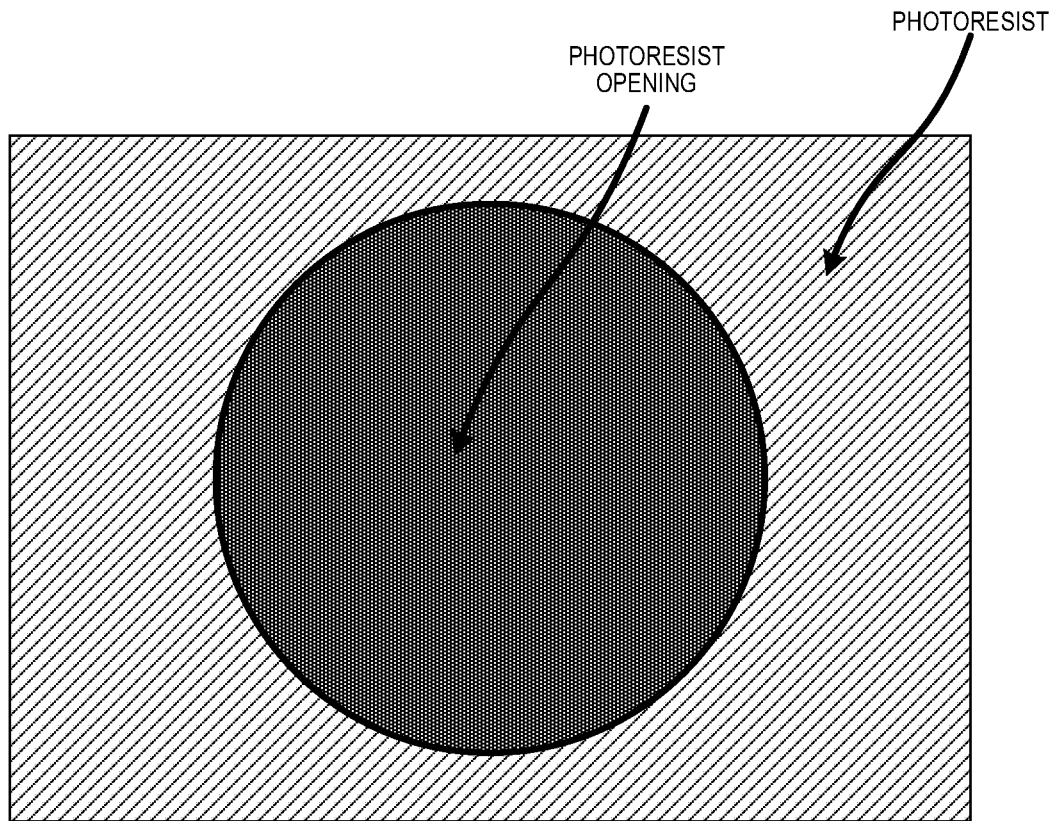


FIG. 19

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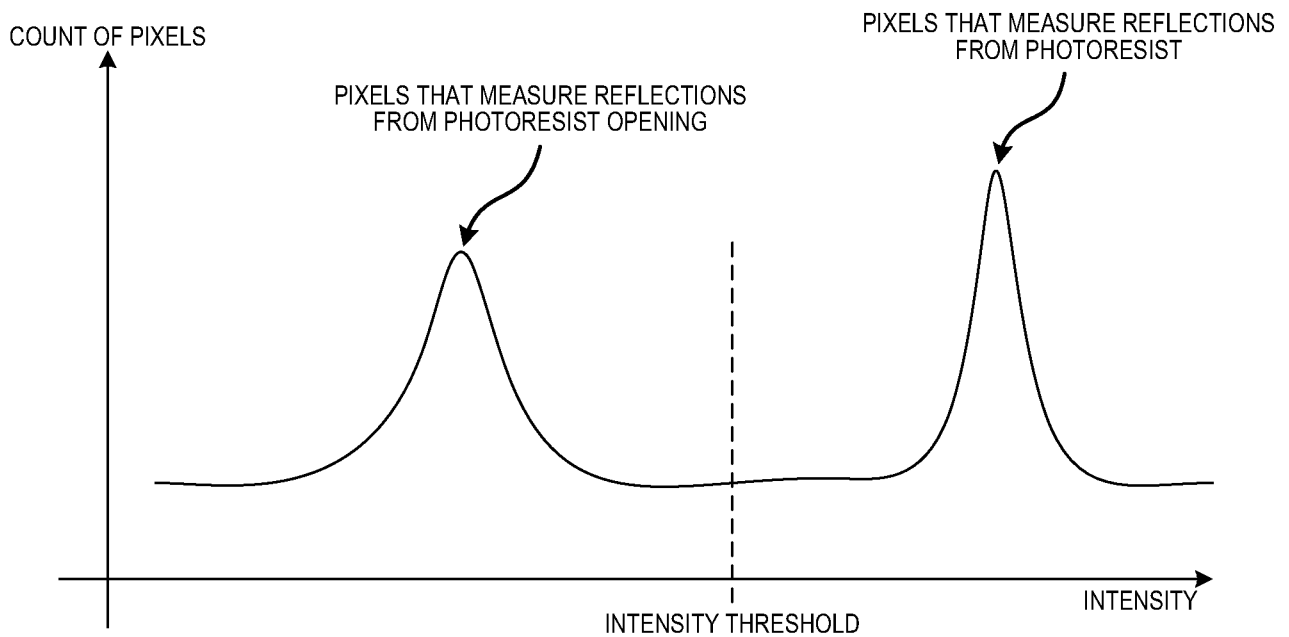


FIG. 20

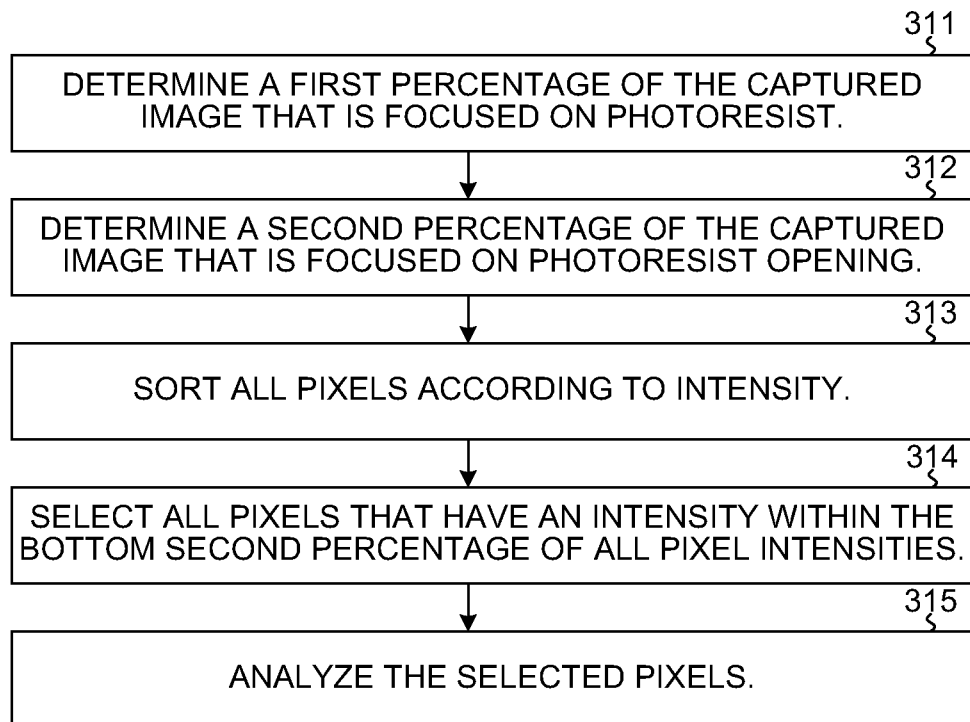


FIG. 21

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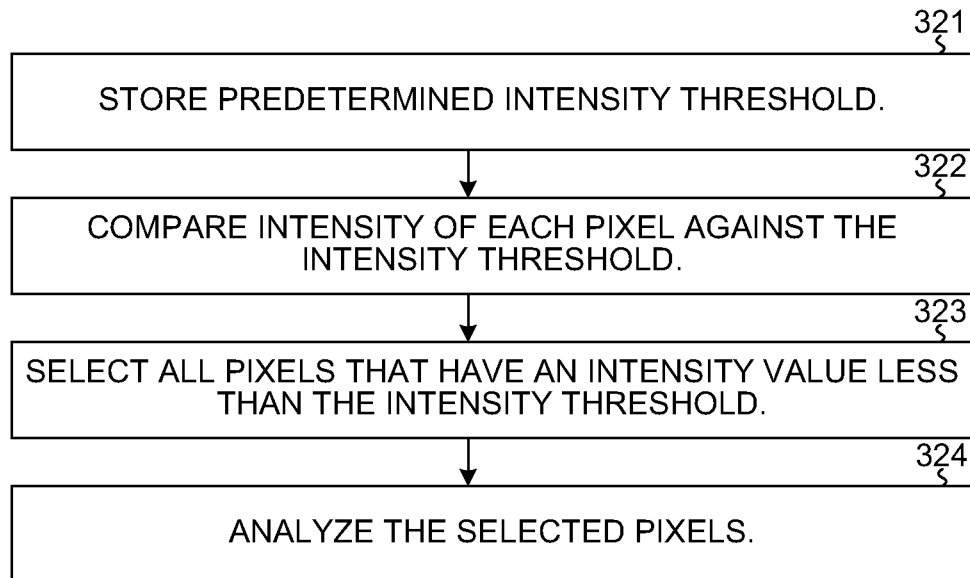


FIG. 22

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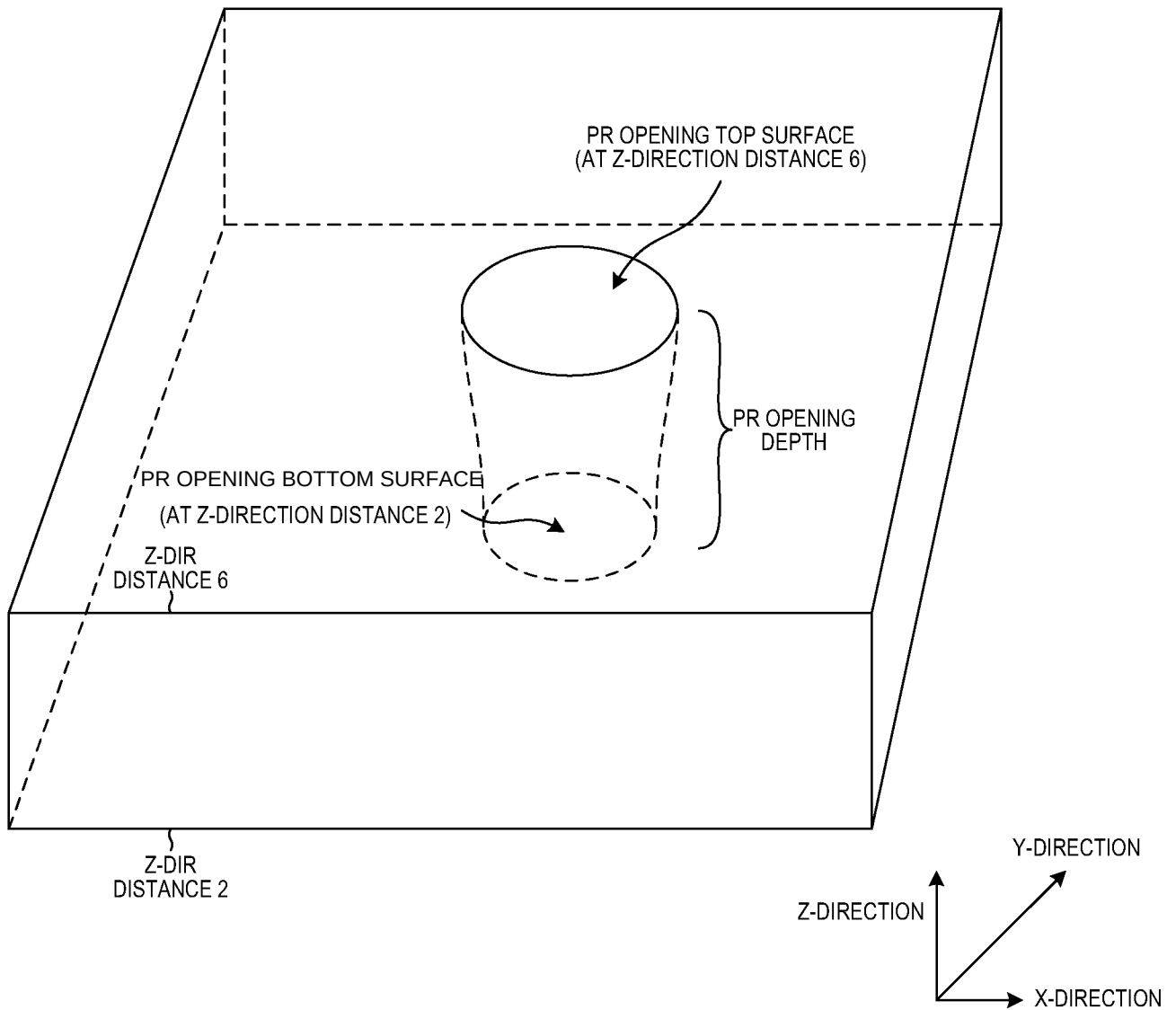


FIG. 23

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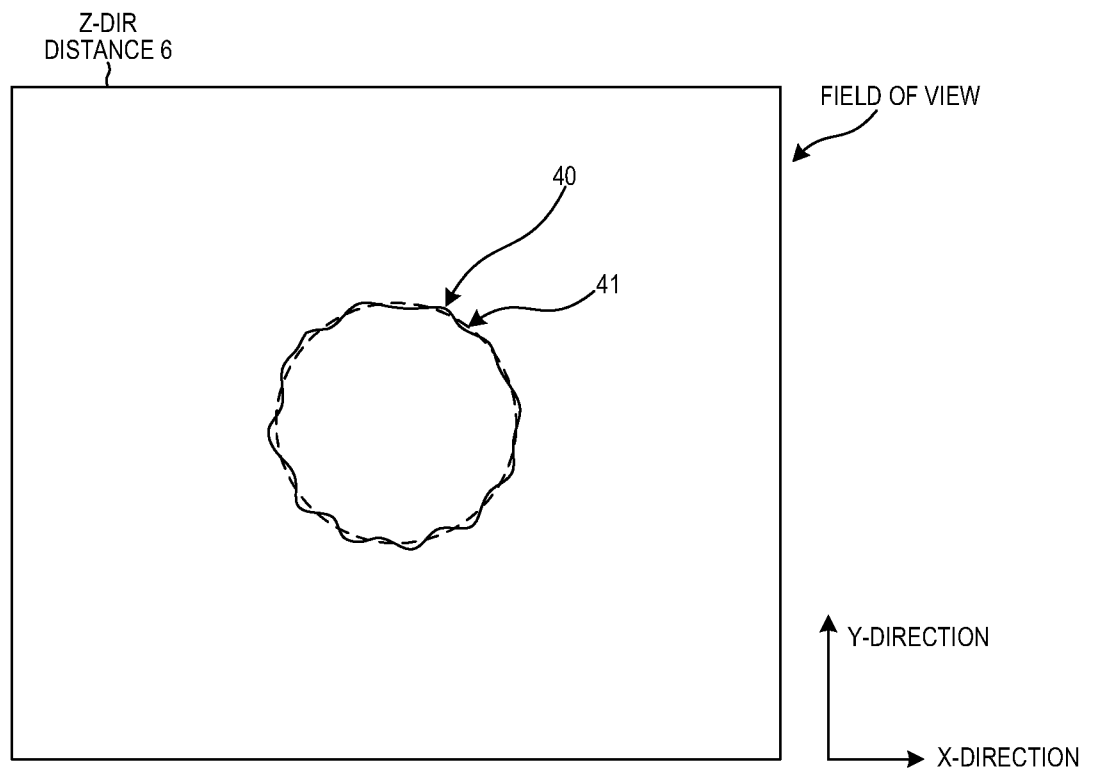


FIG. 24

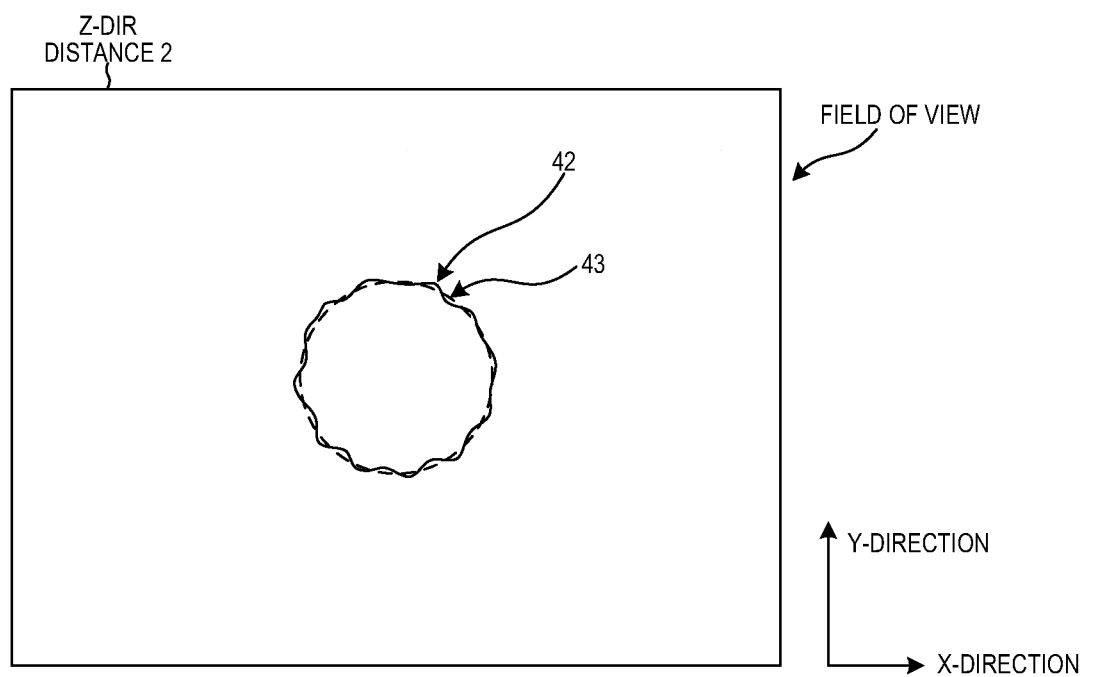


FIG. 25

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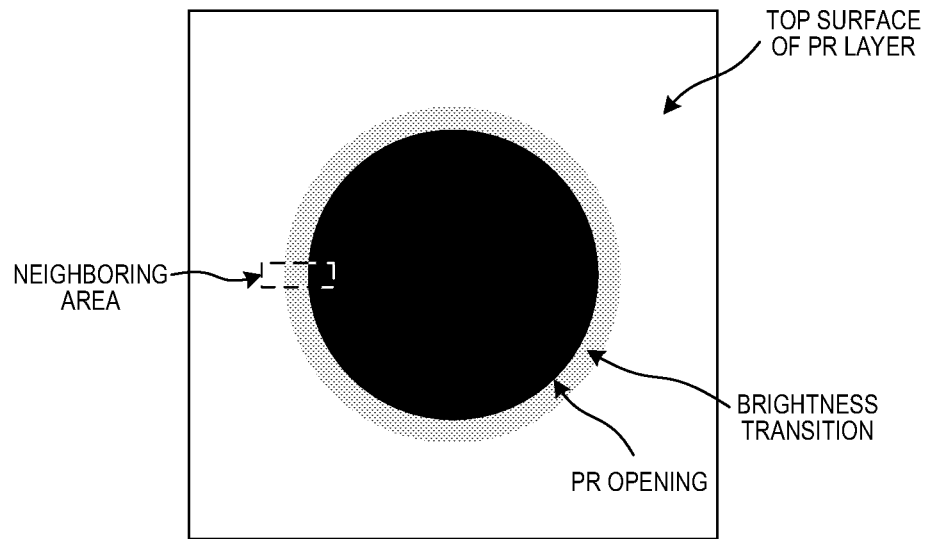


FIG. 26

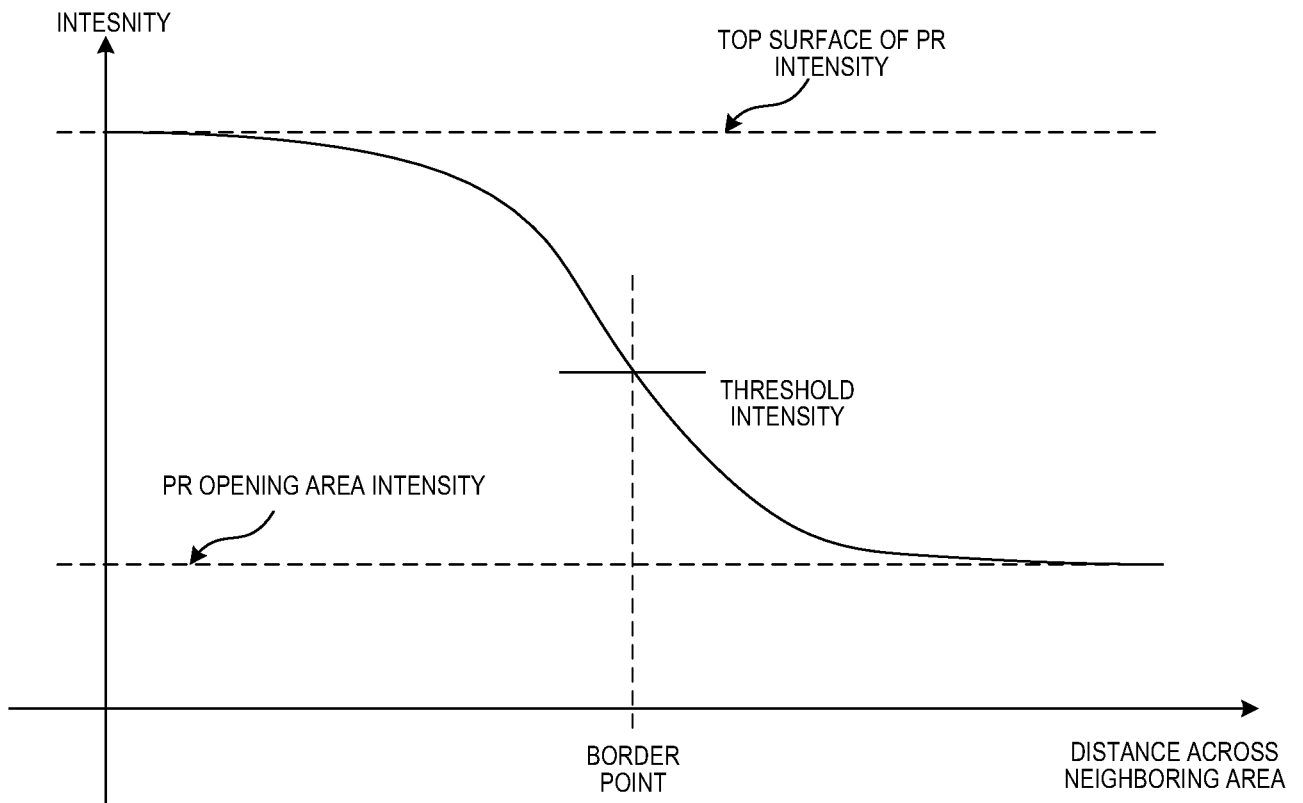


FIG. 27

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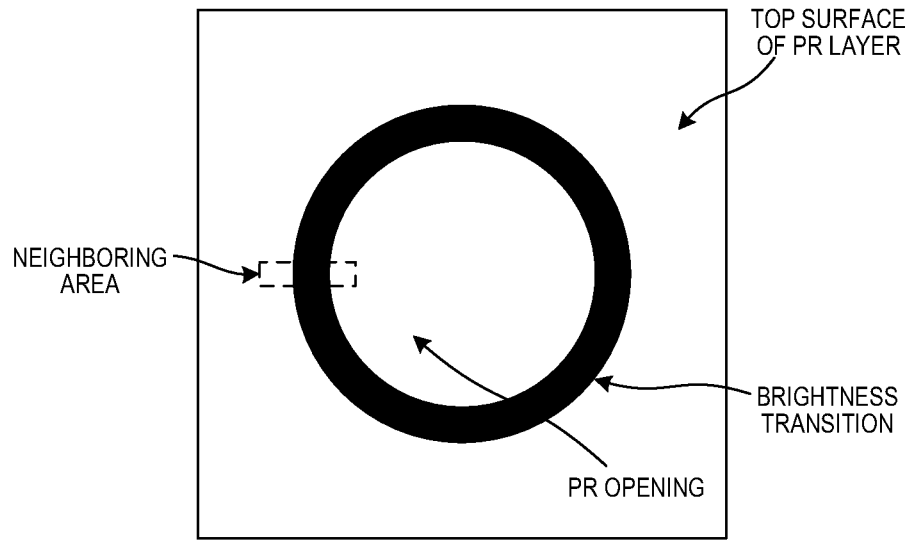


FIG. 28

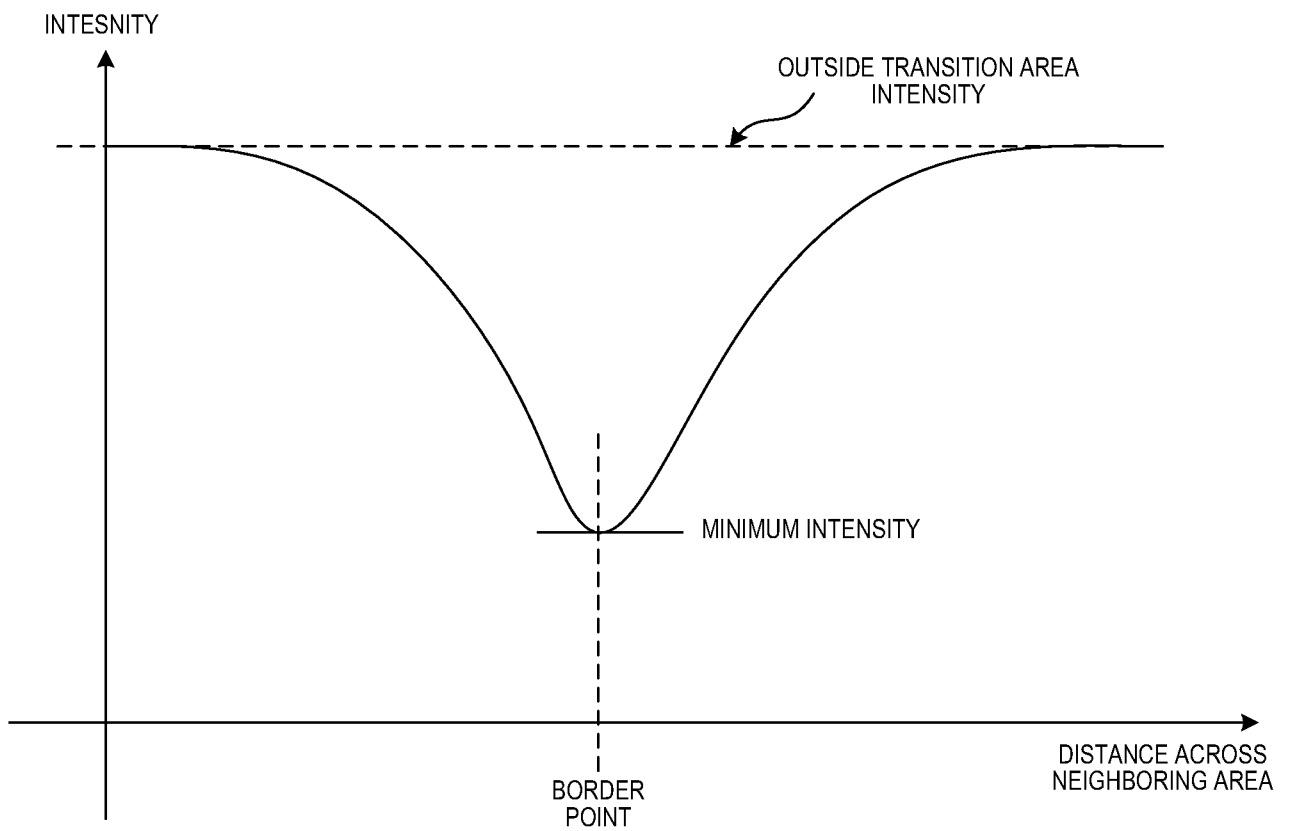


FIG. 29

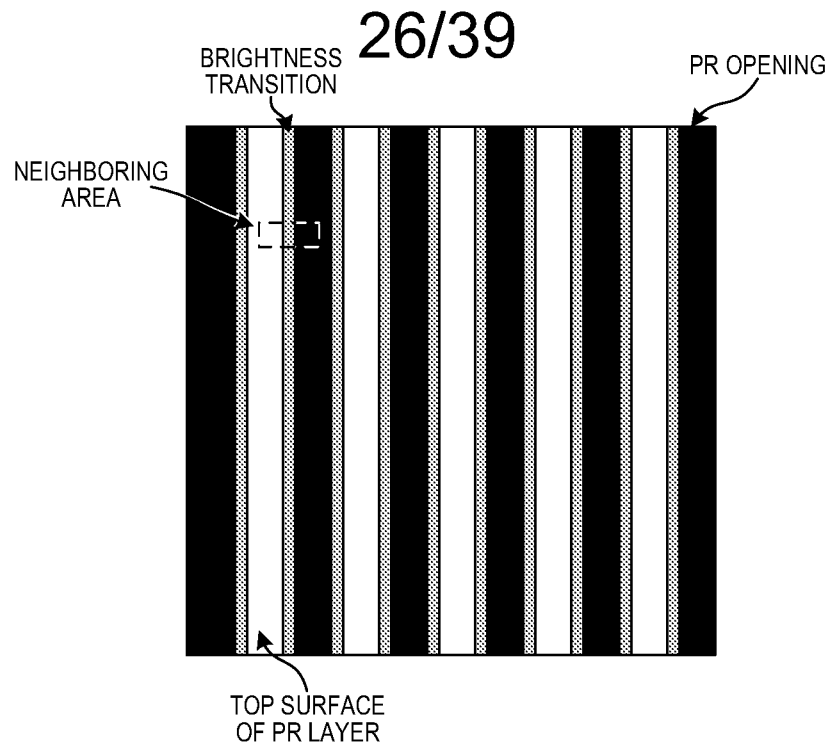


FIG. 30

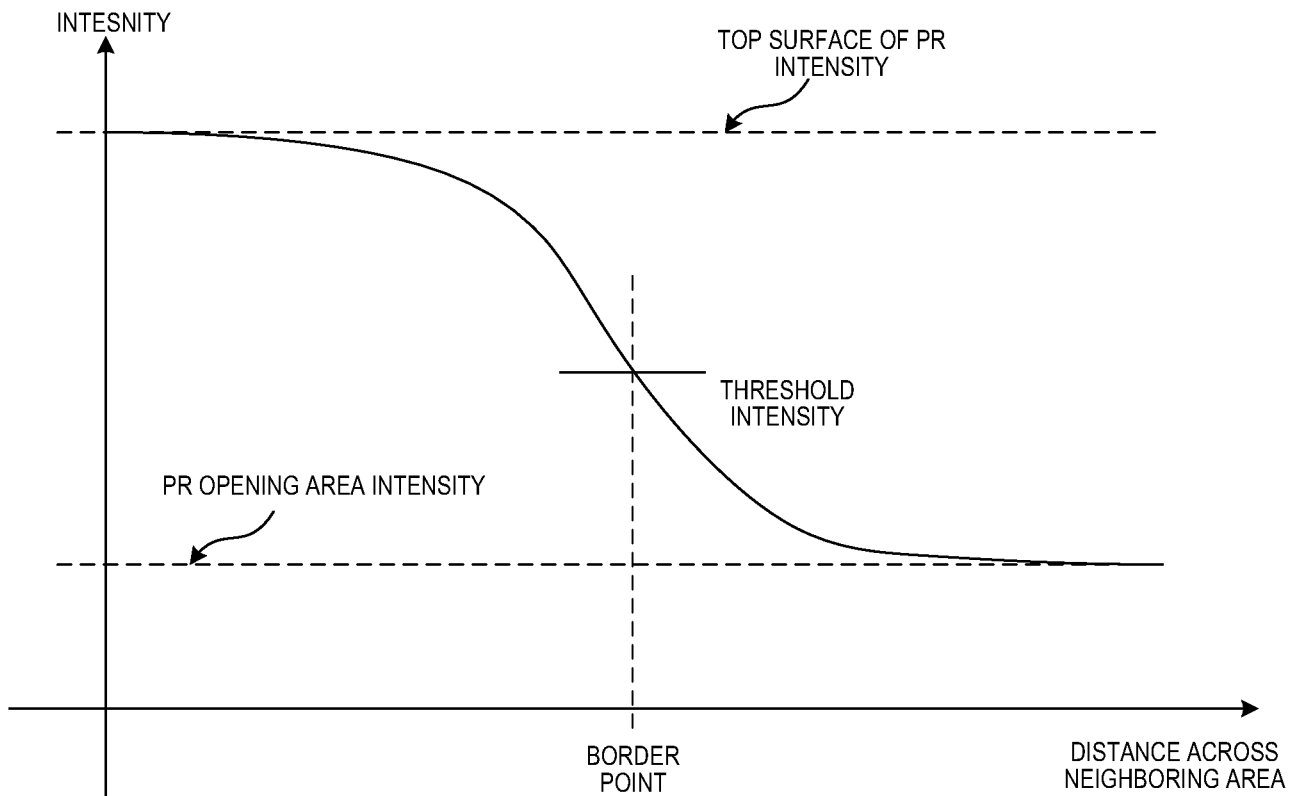


FIG. 31

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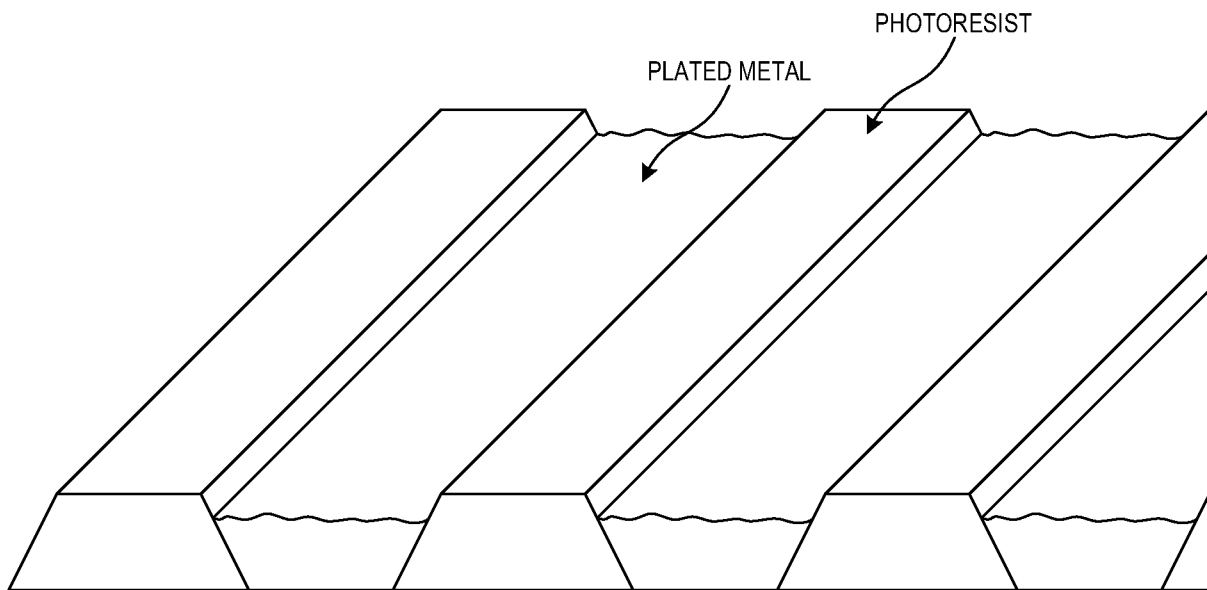
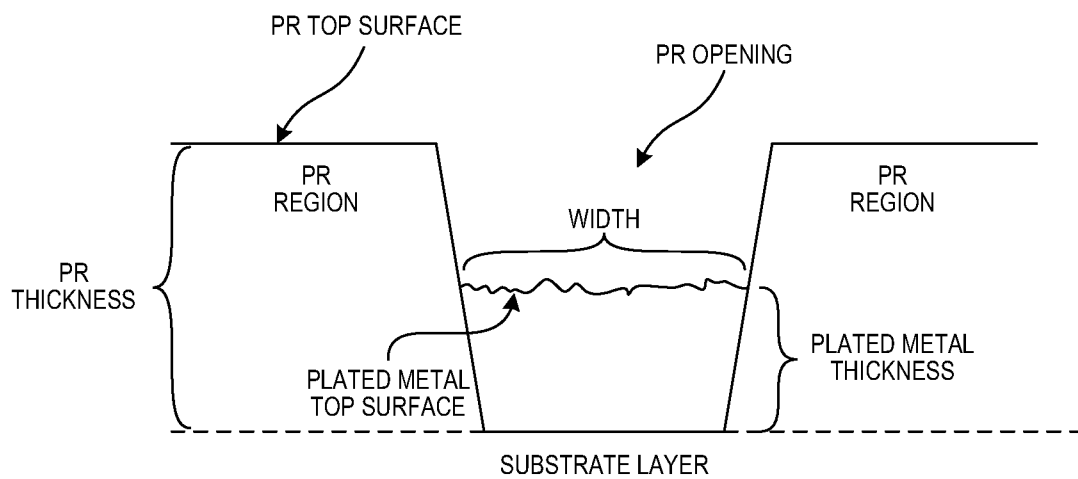


FIG. 32



*PLATED METAL THICKNESS = PR REGION THICKNESS - (PR TOP SURFACE - PLATED METAL TOP SURFACE)

FIG. 33

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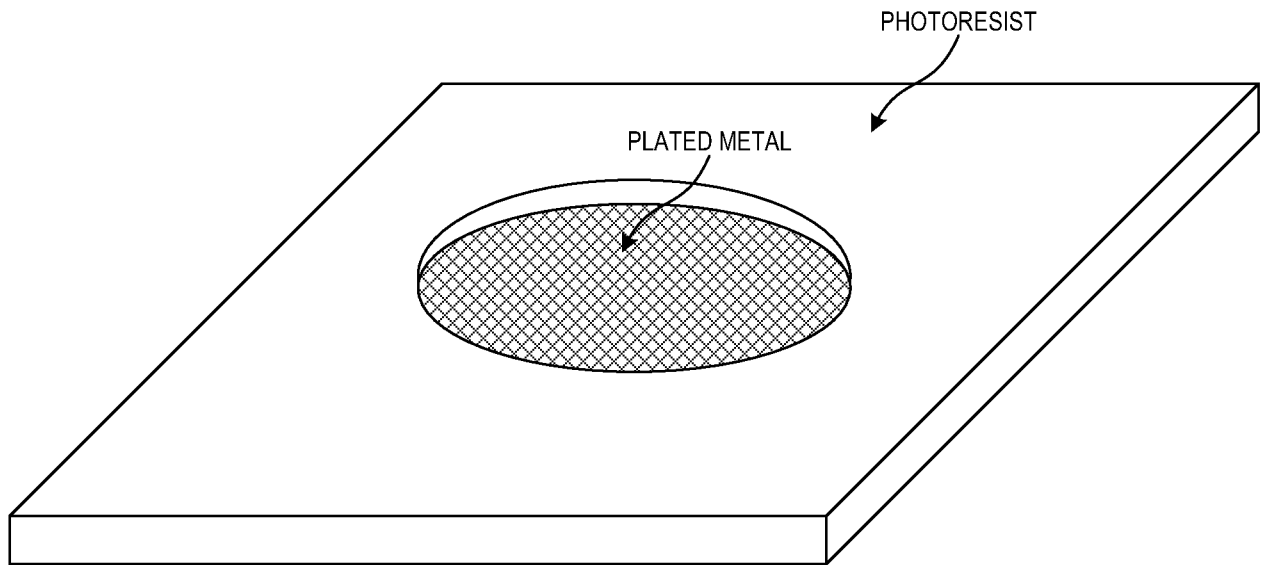
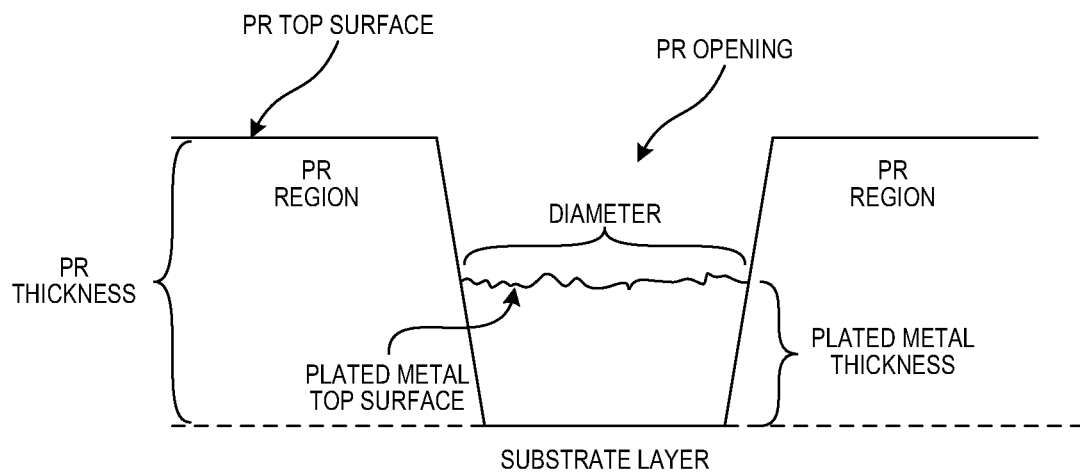


FIG. 34



*PLATED METAL THICKNESS = PR REGION THICKNESS - (PR TOP SURFACE - PLATED METAL TOP SURFACE)

FIG. 35

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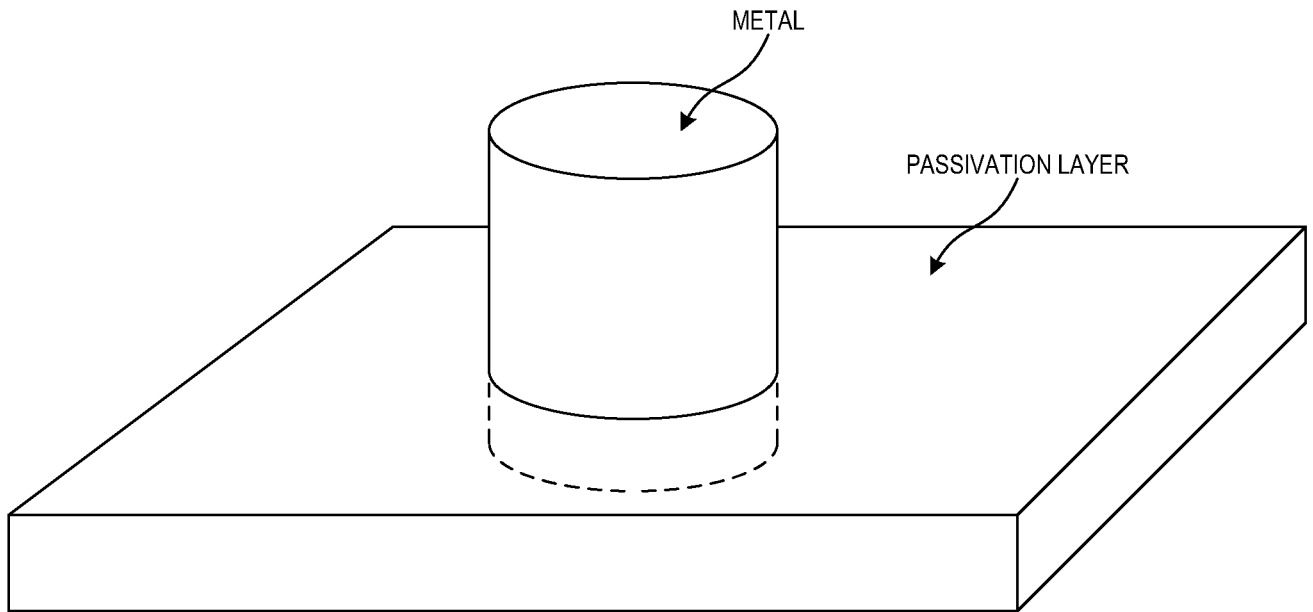
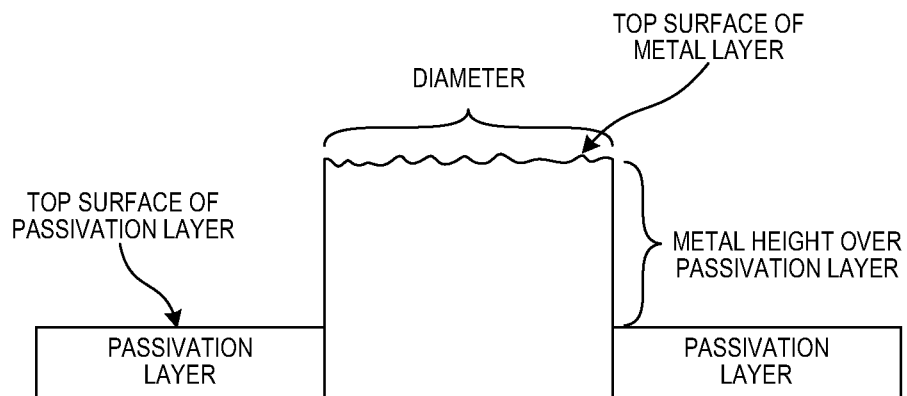


FIG. 36



METAL HEIGHT OVER PASSIVATION = TOP SURFACE OF METAL LAYER – TOP SURFACE OF PASSIVATION LAYER

FIG. 37

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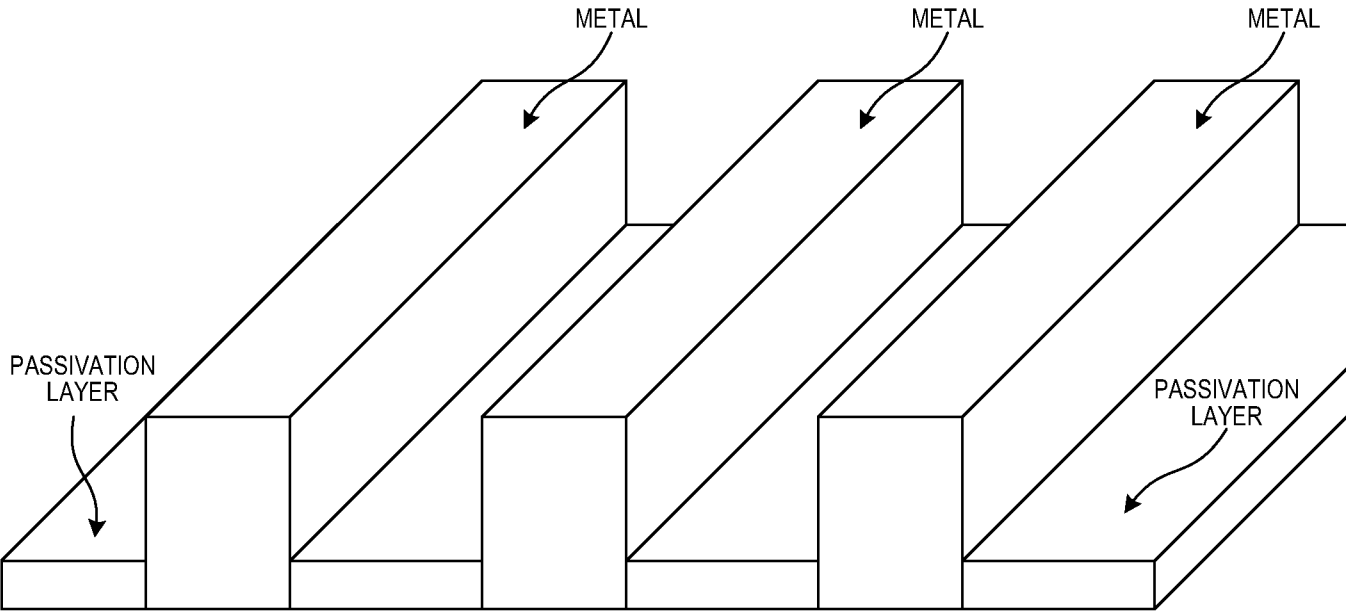
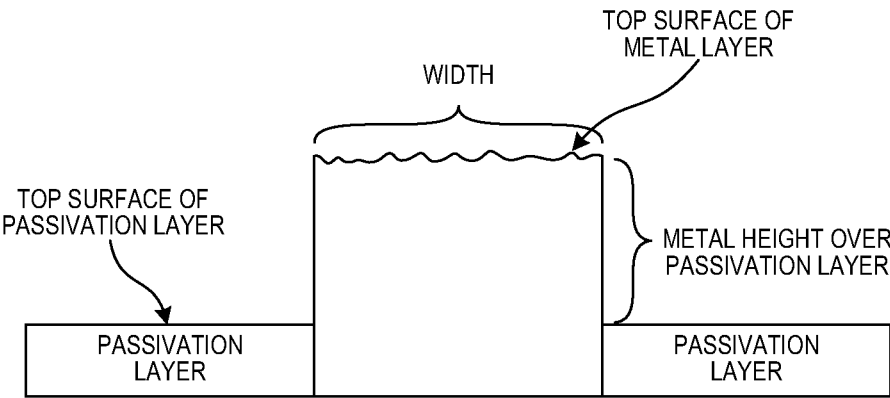


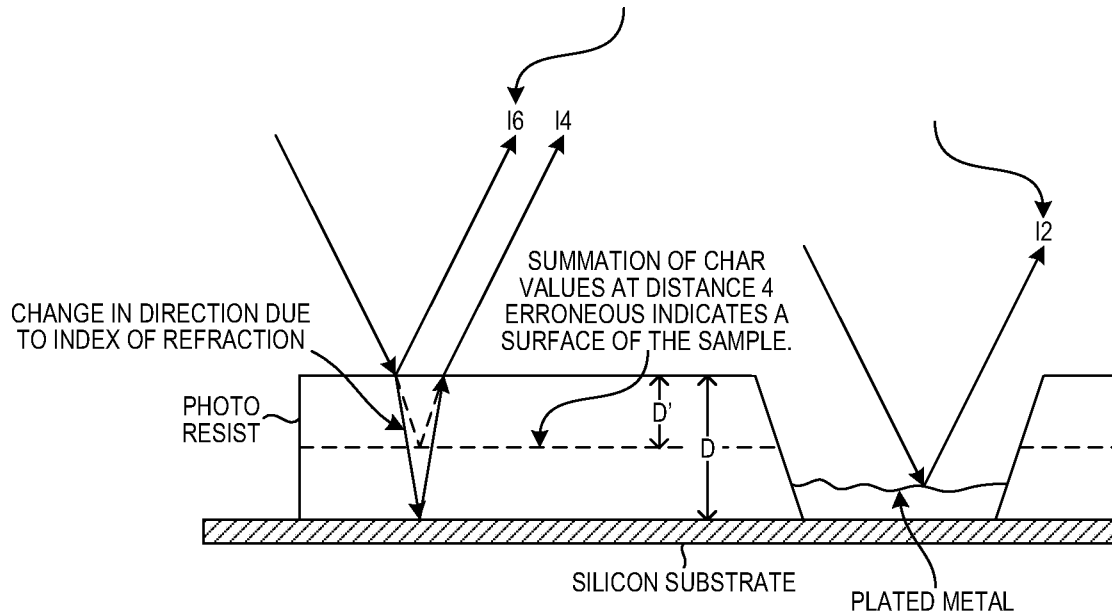
FIG. 38



METAL HEIGHT OVER PASSIVATION = TOP SURFACE OF METAL LAYER – TOP SURFACE OF PASSIVATION LAYER

FIG. 39

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PHOTORESIST THICKNESS (D) = MEASURED THICKNESS (D') X INDEX OF REFRACTION OF PHOTORESIST

PHOTORESIST THICKNESS (D) = MEASURED THICKNESS (D') X INDEX OF REFRACTION OF PHOTORESIST + OFFSET

FIG. 40

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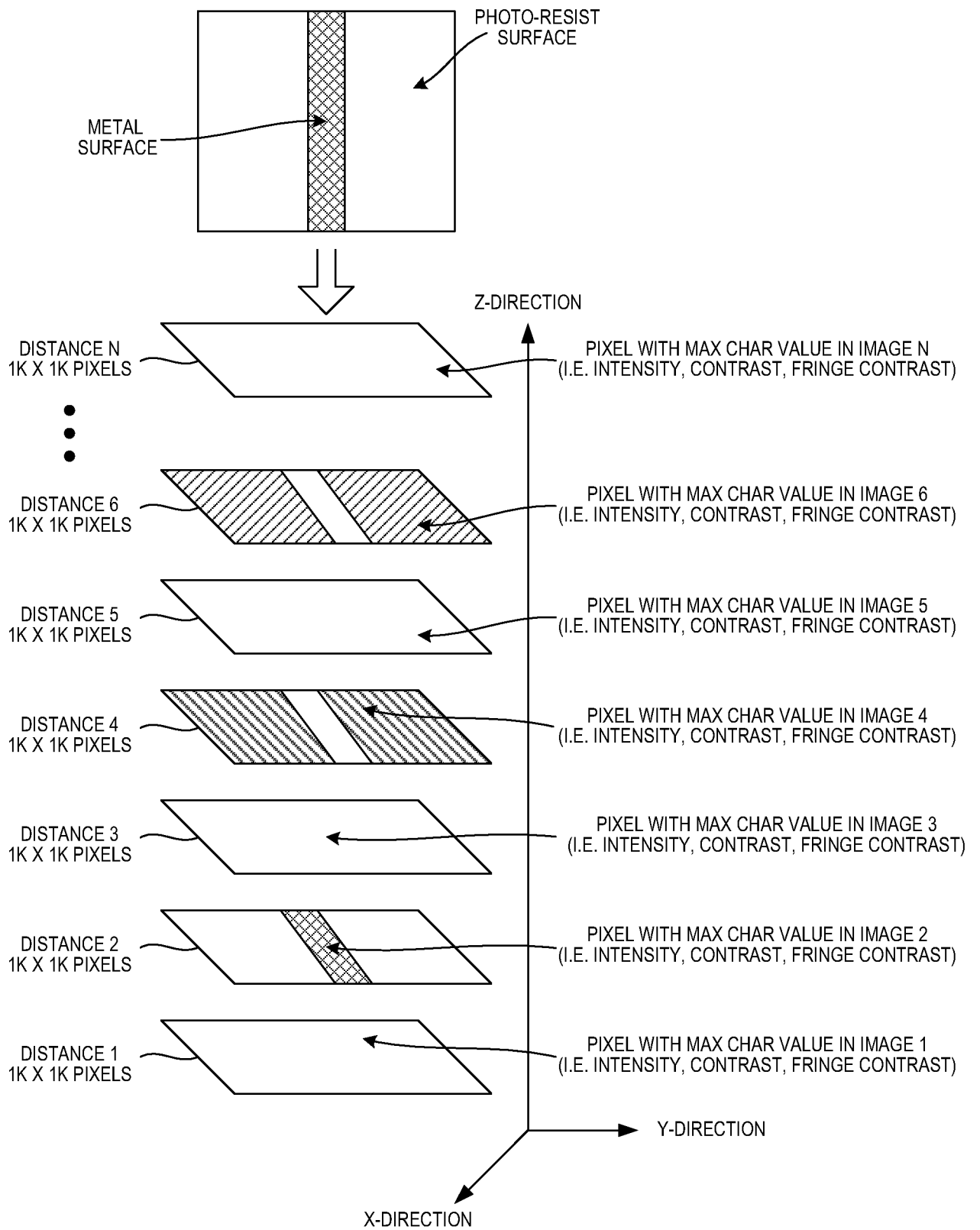


FIG. 41

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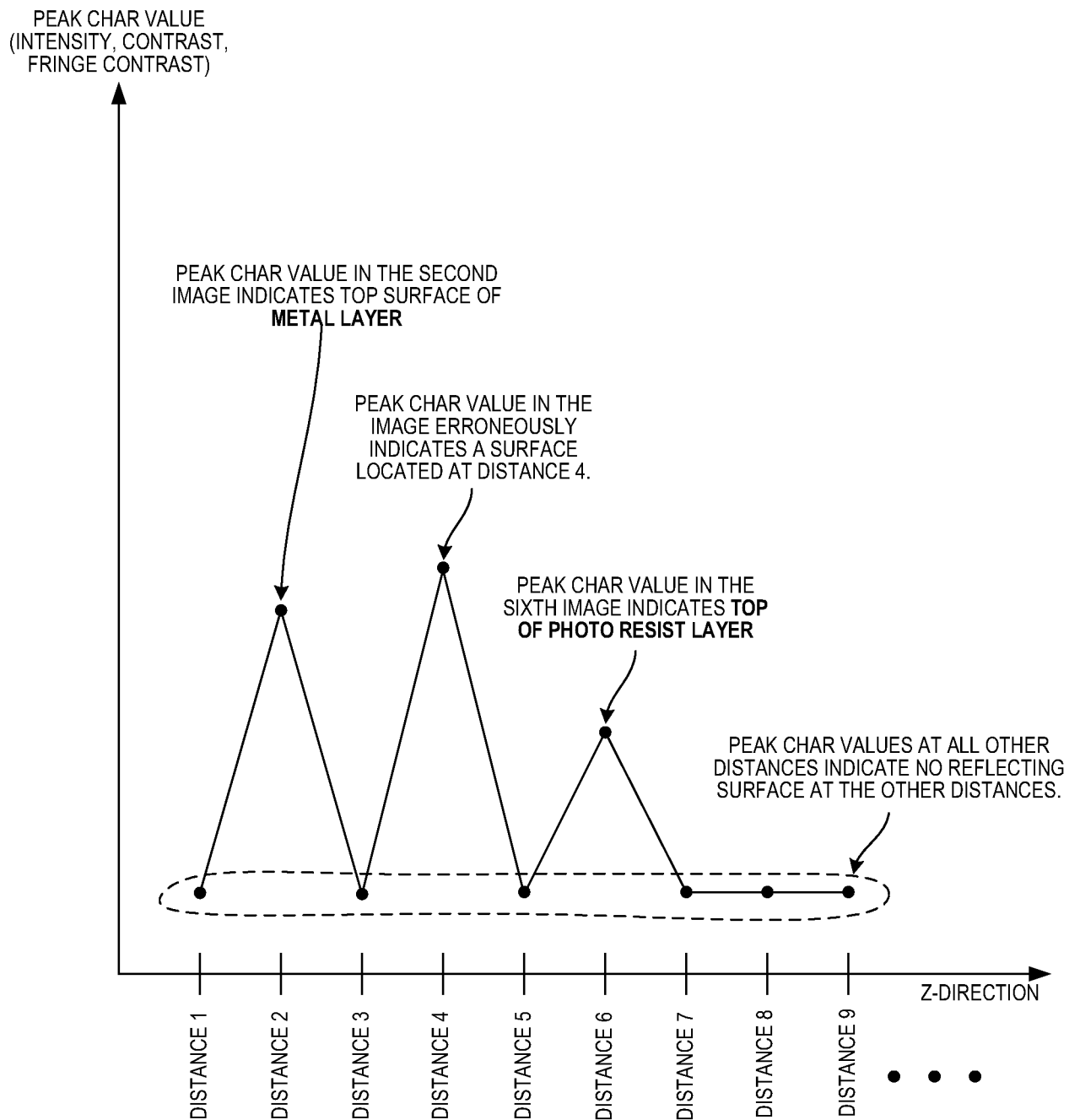


FIG. 42

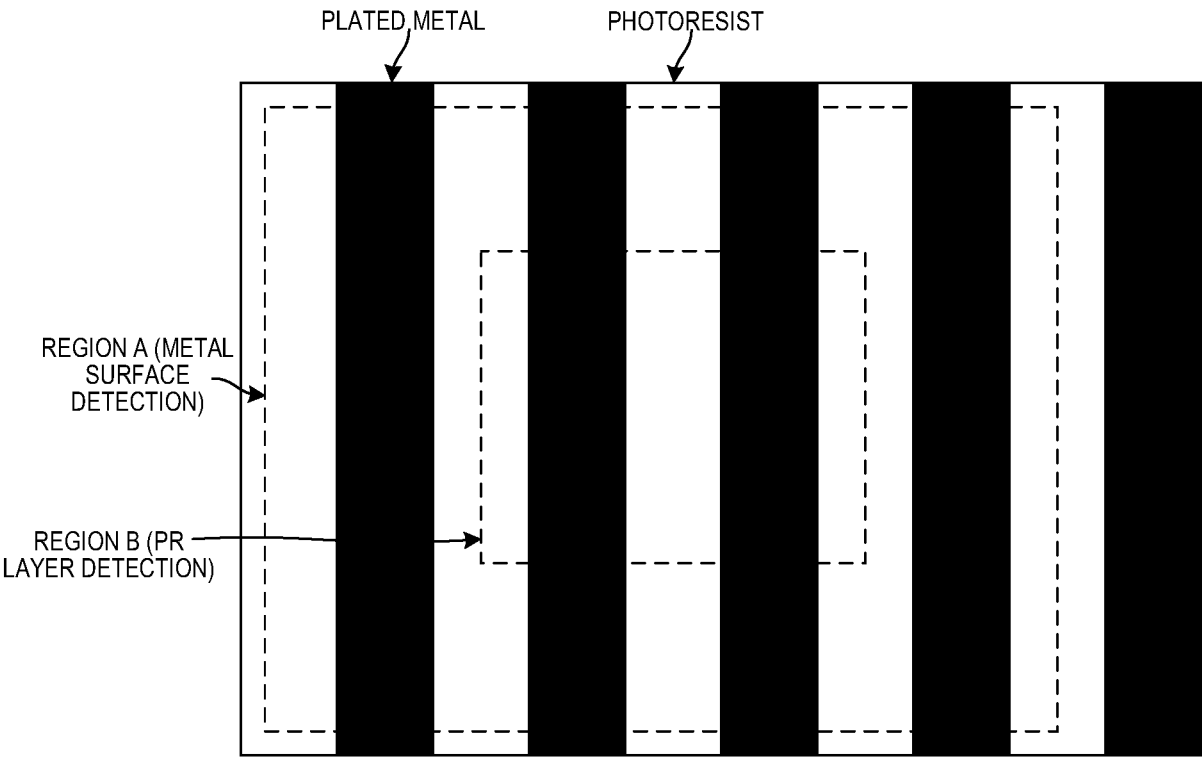


FIG. 43

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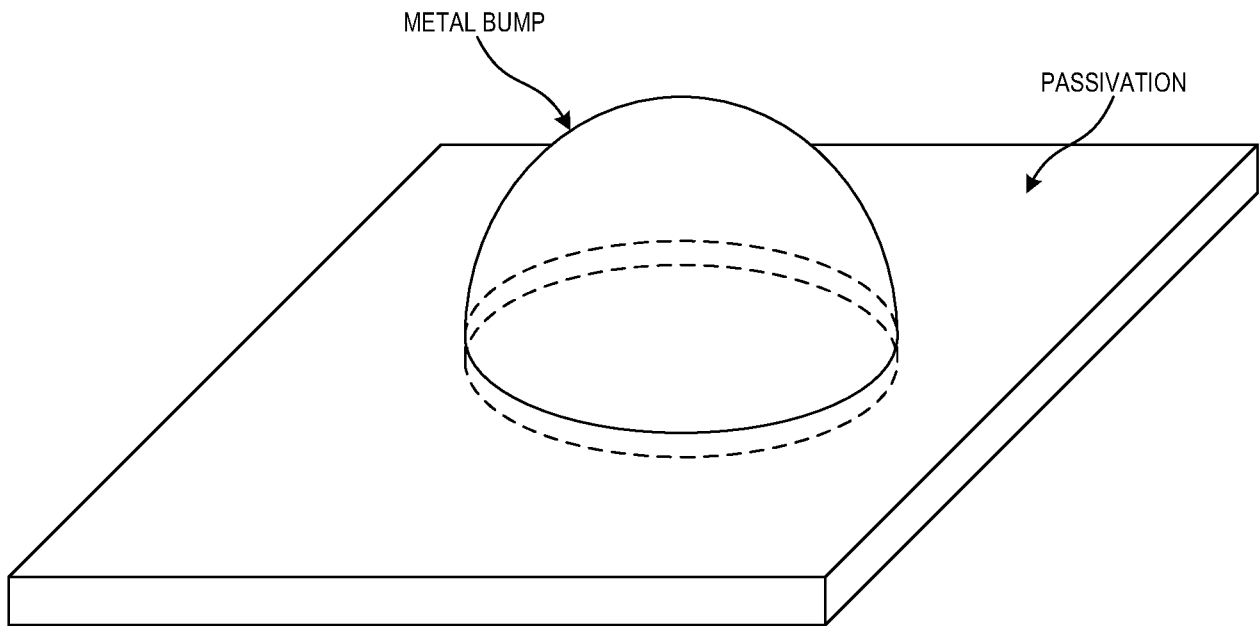


FIG. 44

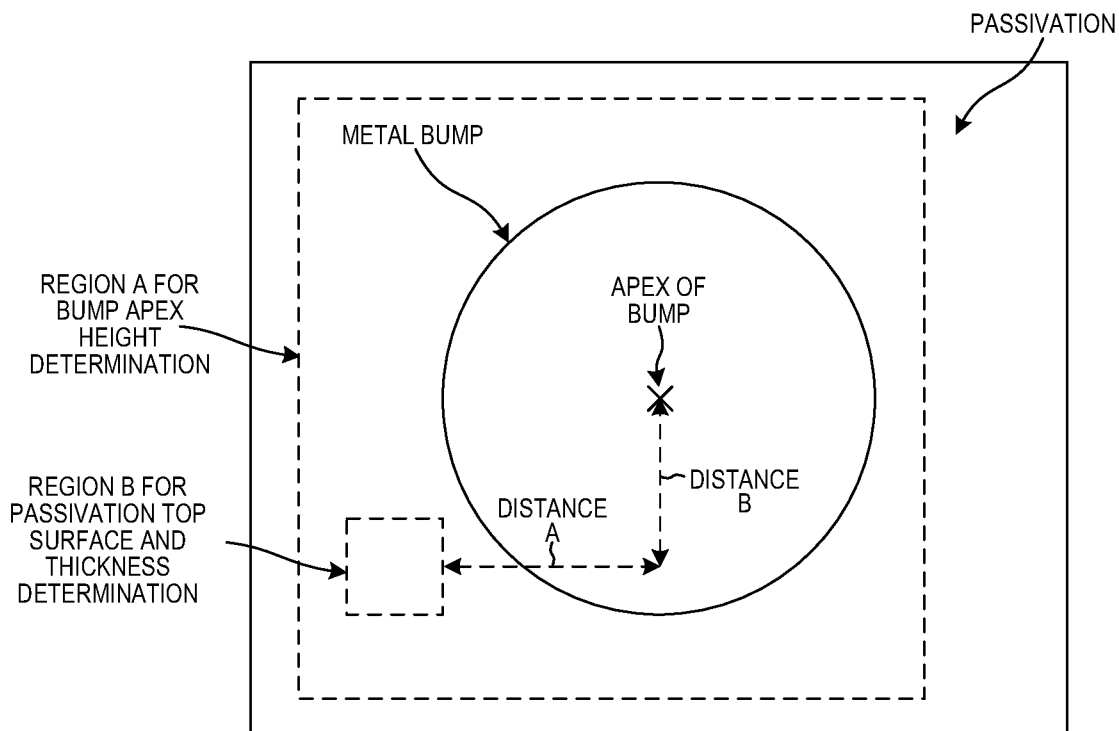


FIG. 45

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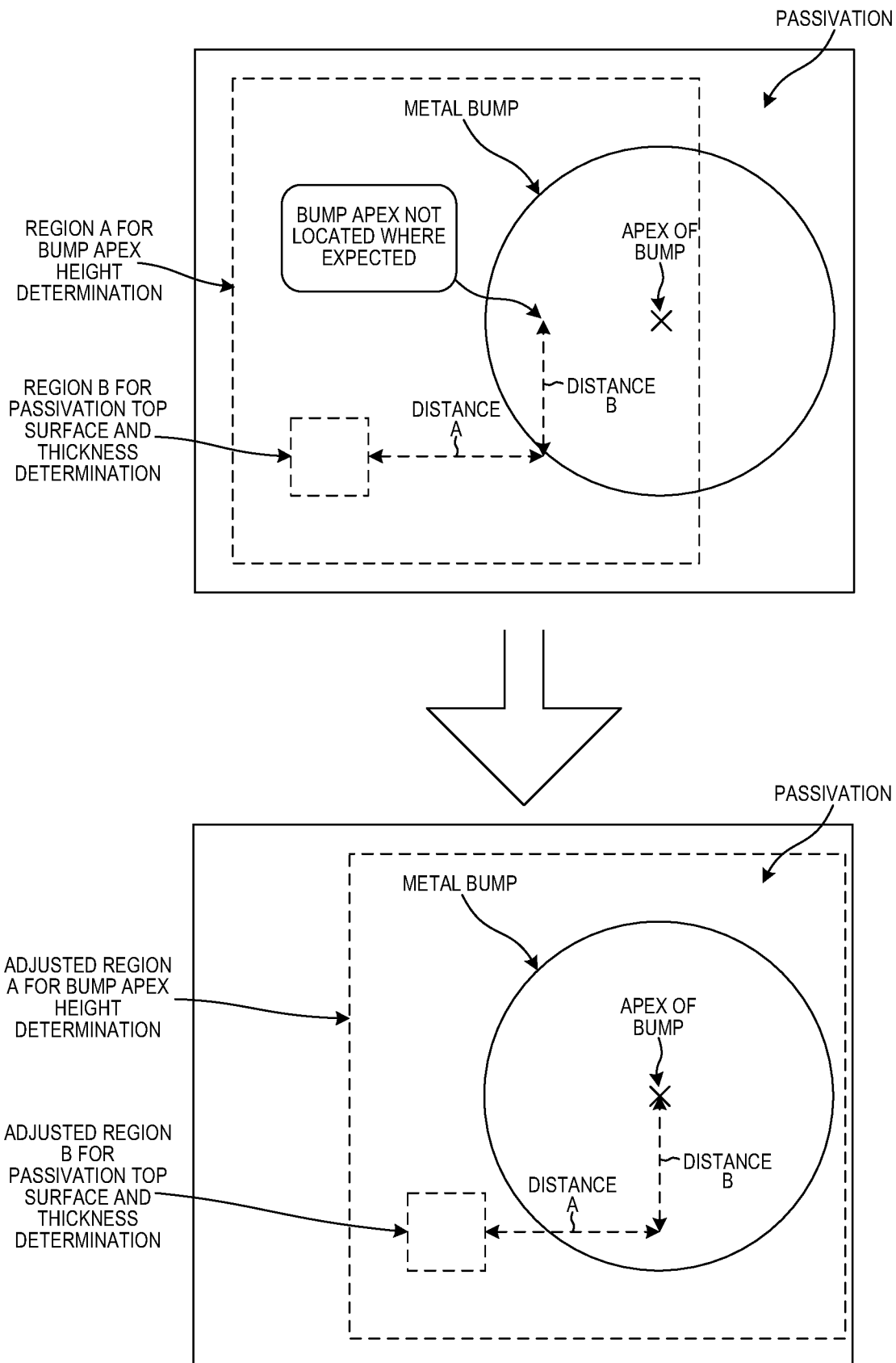
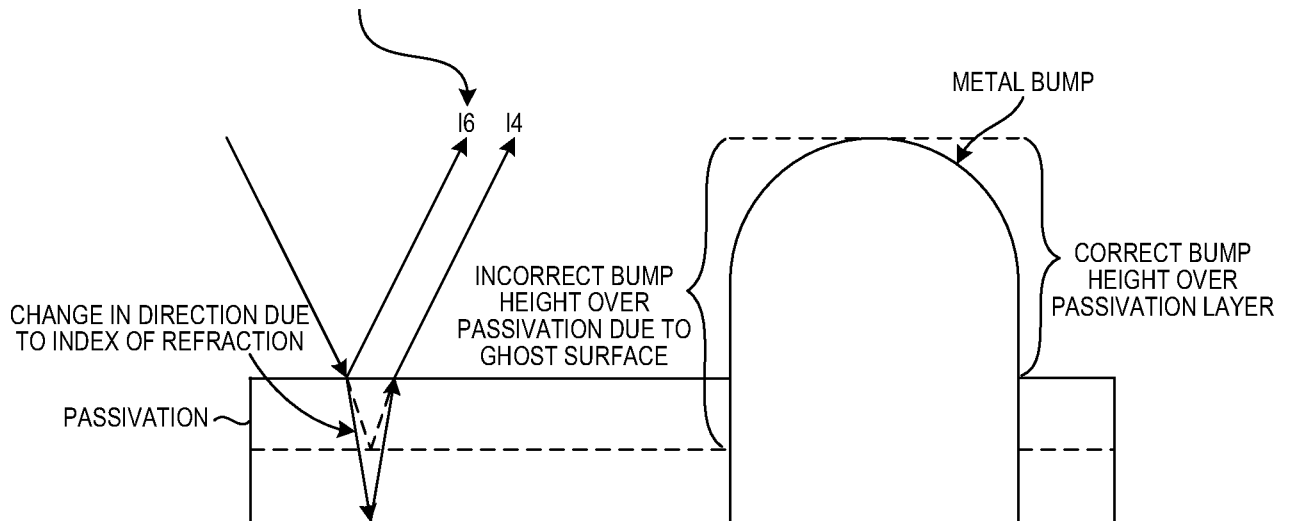


FIG. 46

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PASSIVATION THICKNESS (D) = MEASURED THICKNESS (D') X INDEX OF REFRACTION OF PASSIVATION

PASSIVATION THICKNESS (D) = MEASURED THICKNESS (D') X INDEX OF REFRACTION OF PASSIVATION + OFFSET

FIG. 47

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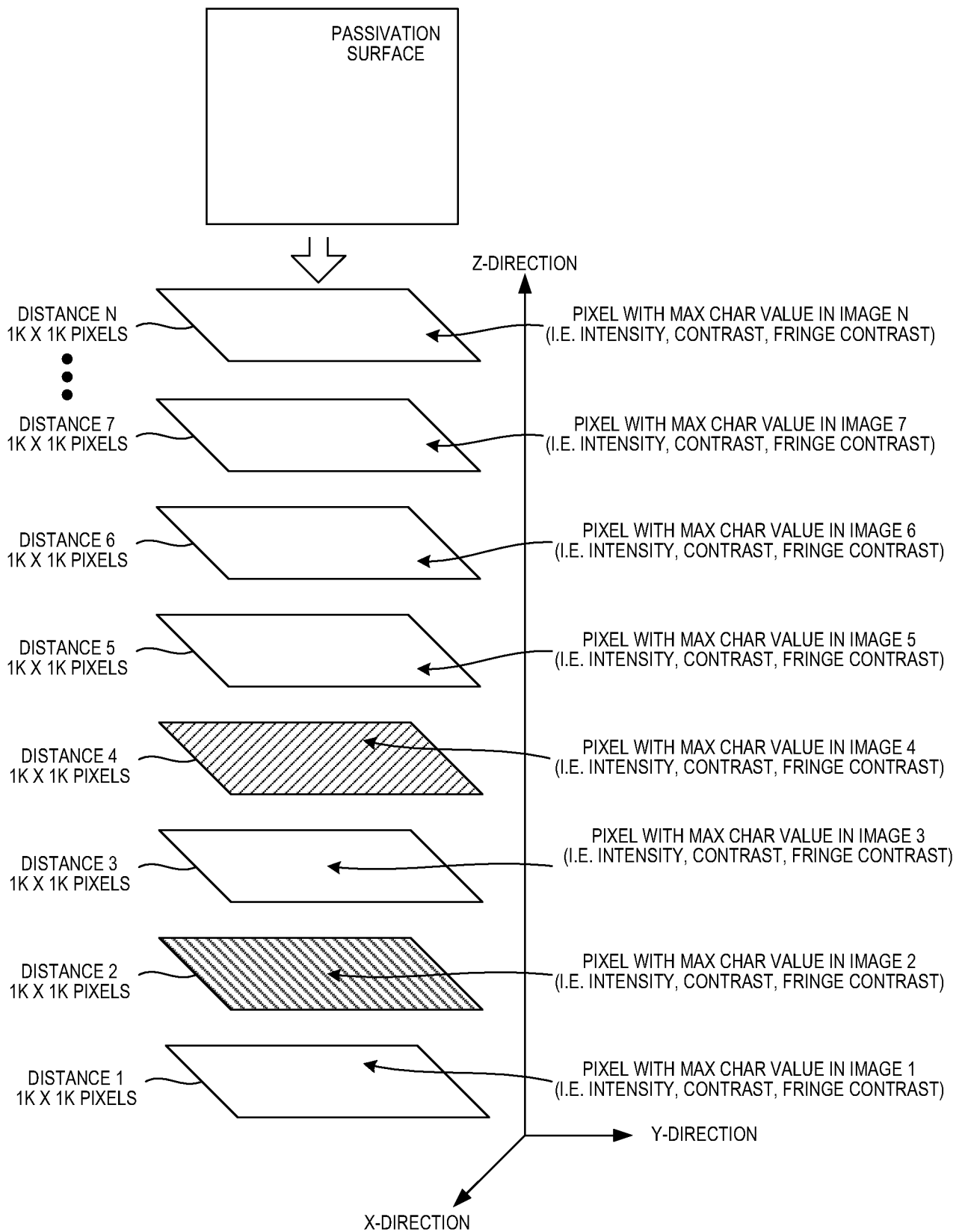


FIG. 48

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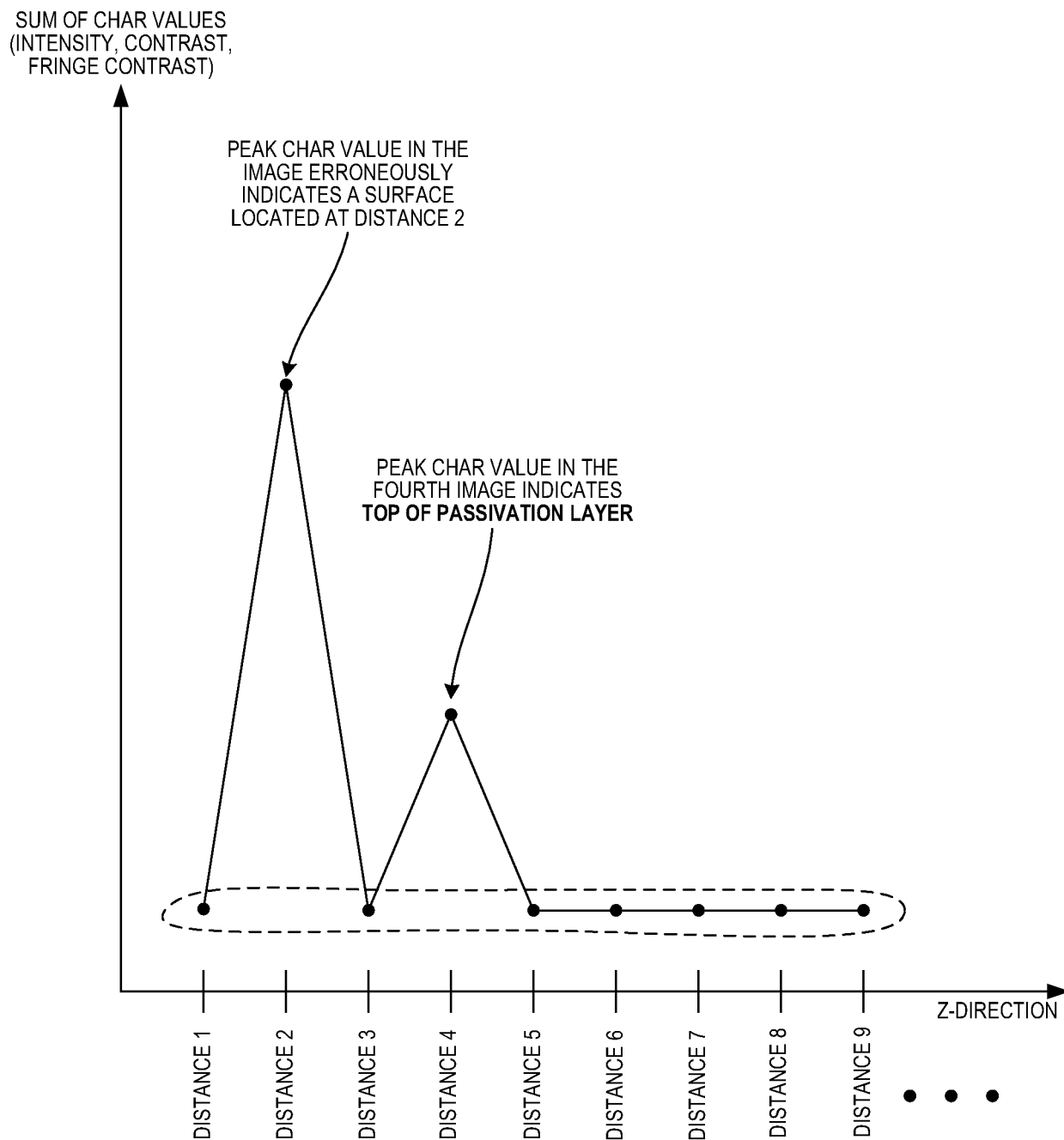


FIG. 49