

FIG.1

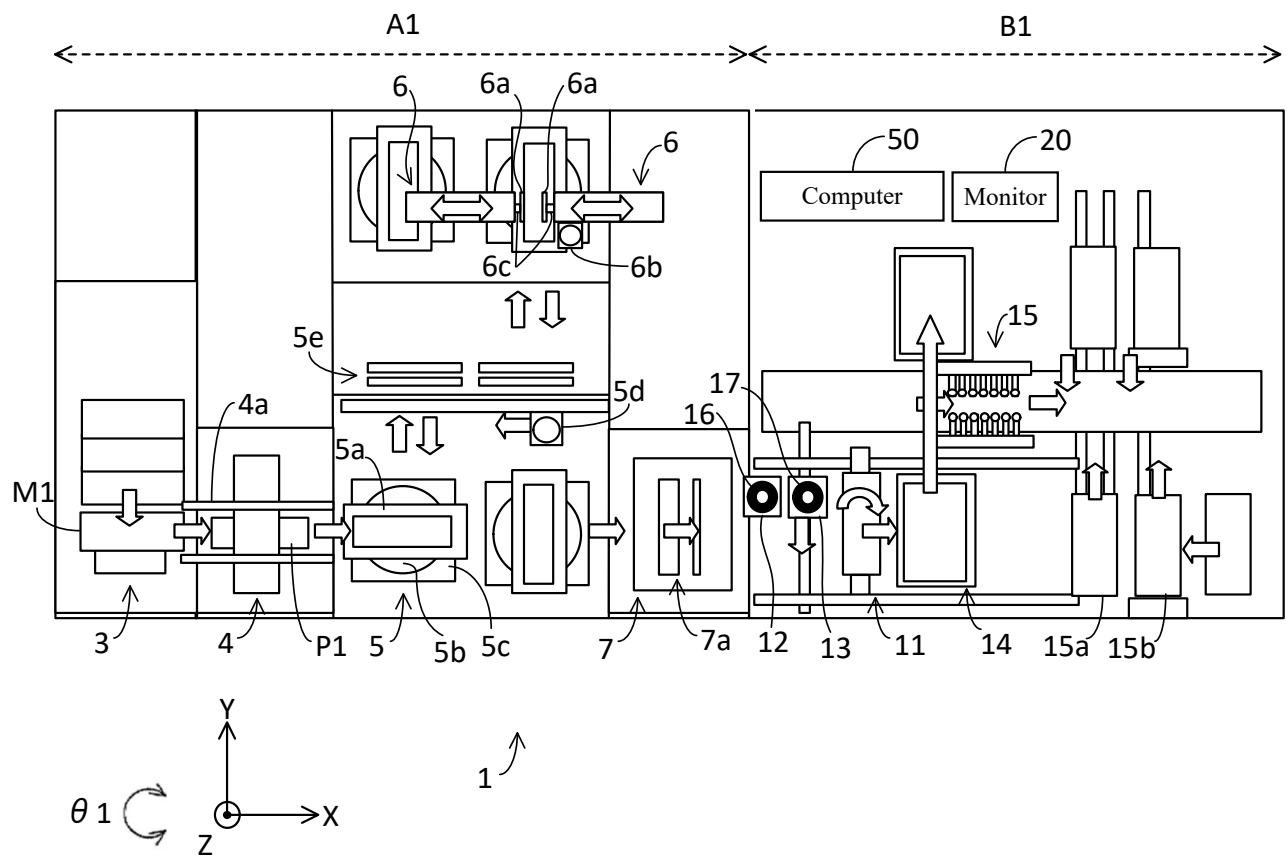


FIG.2

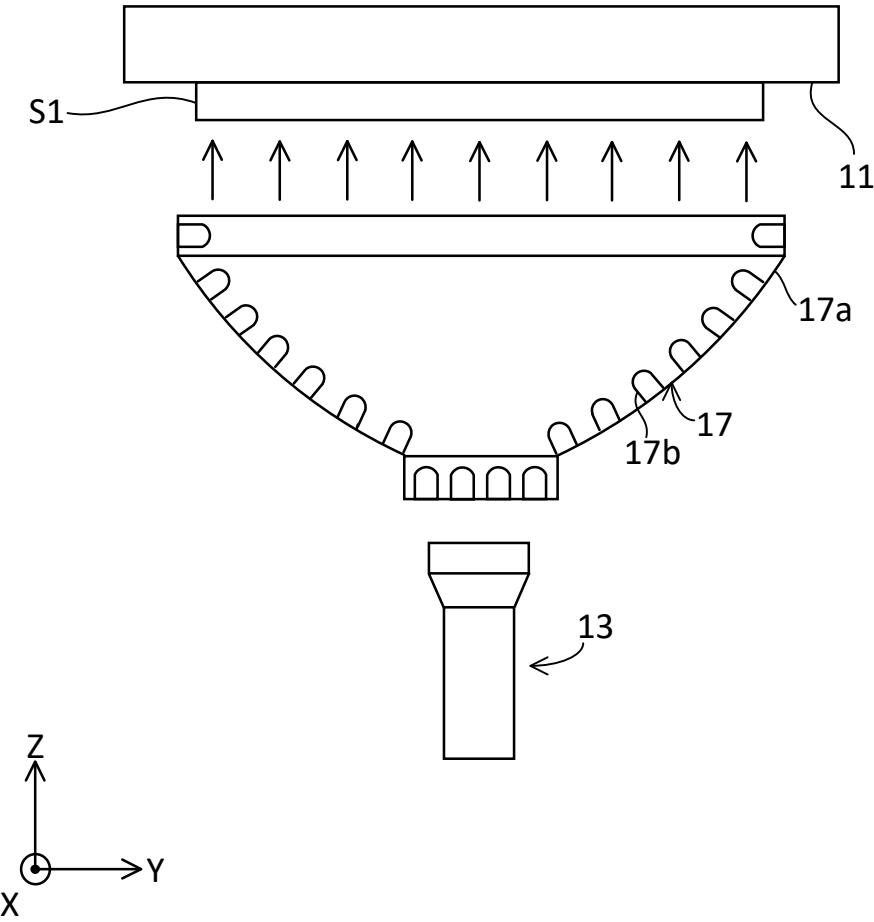


FIG.3

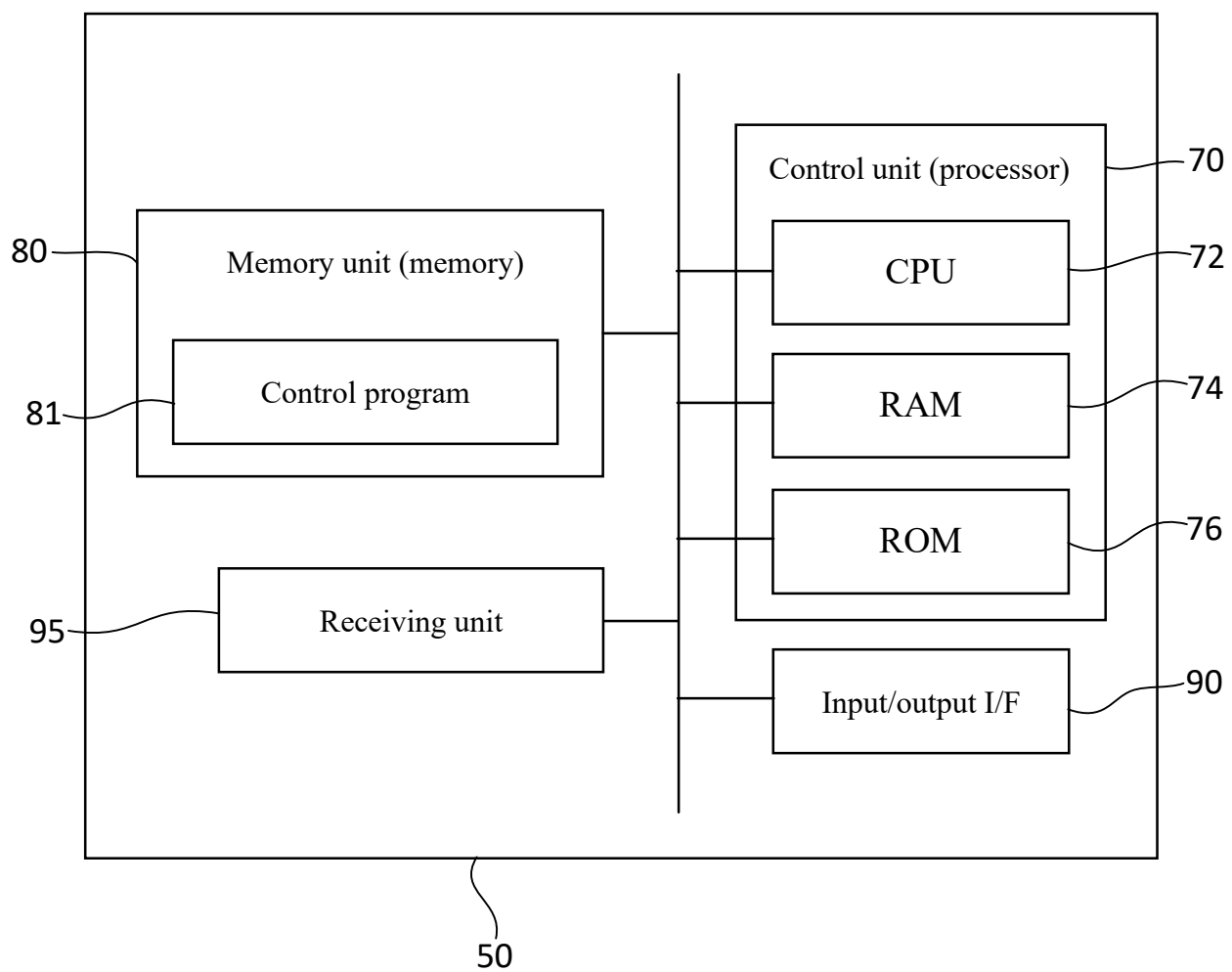


FIG.4

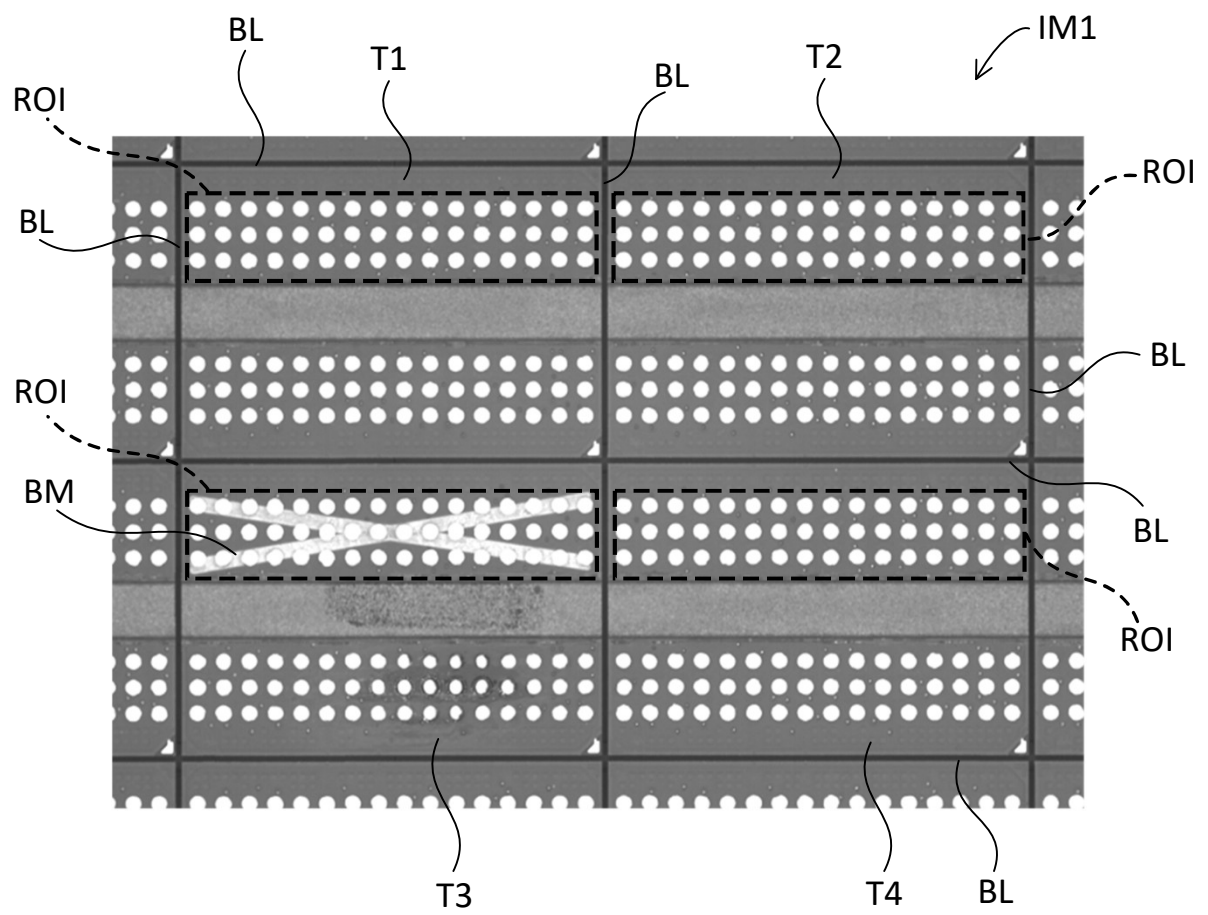


FIG.5

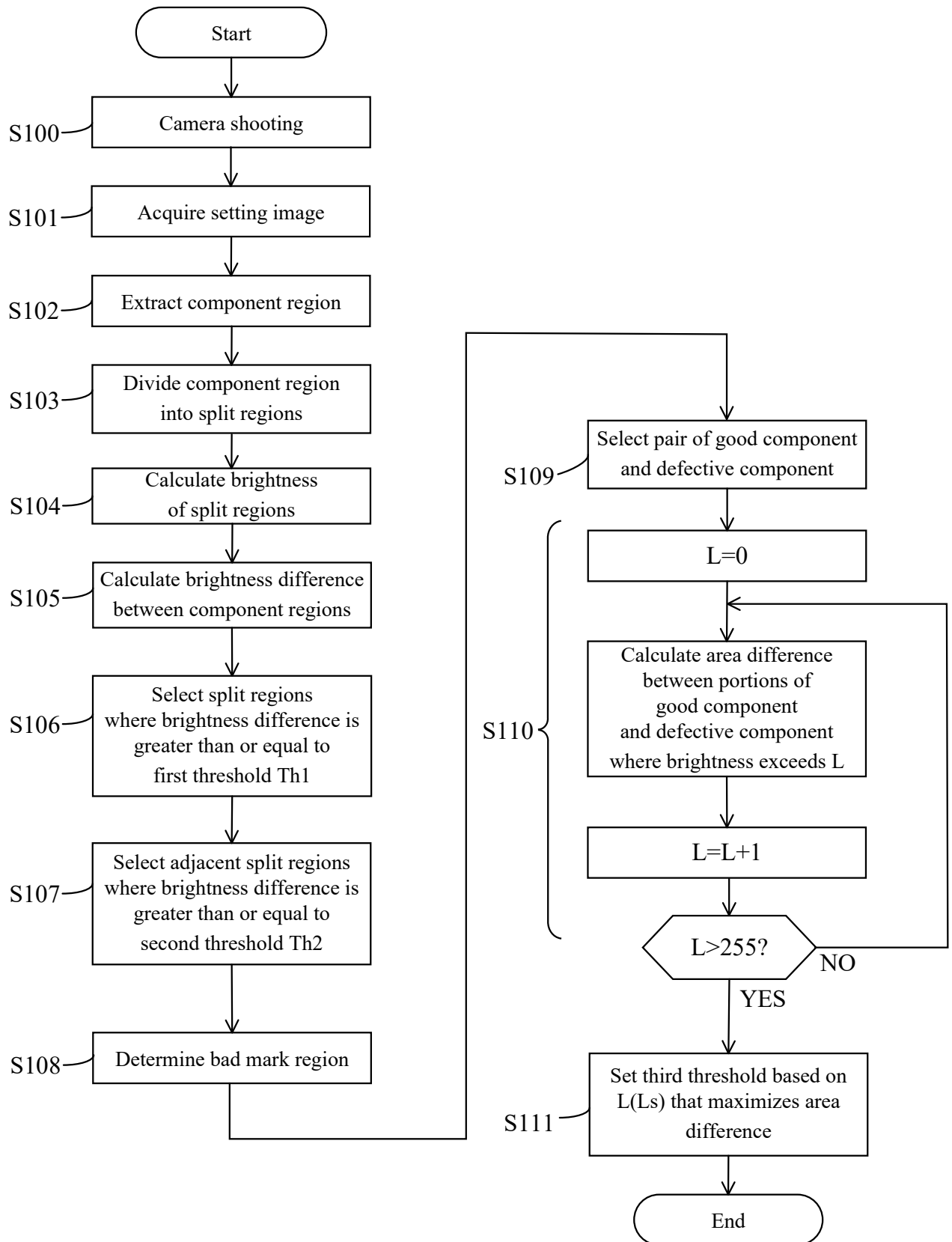


FIG.6

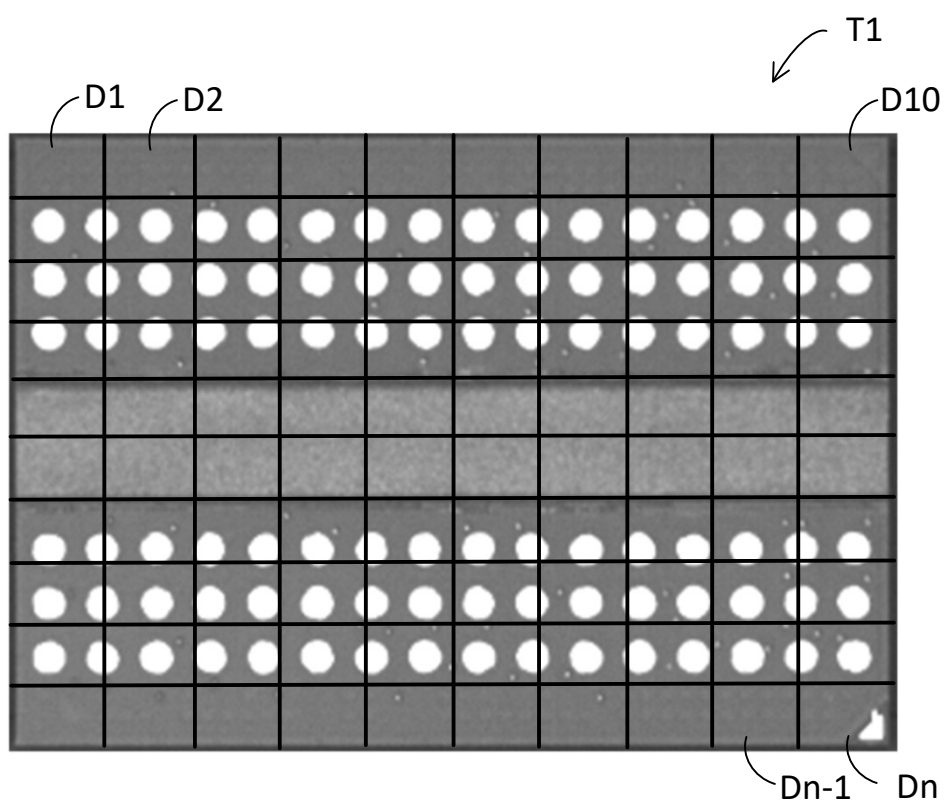


FIG.7A

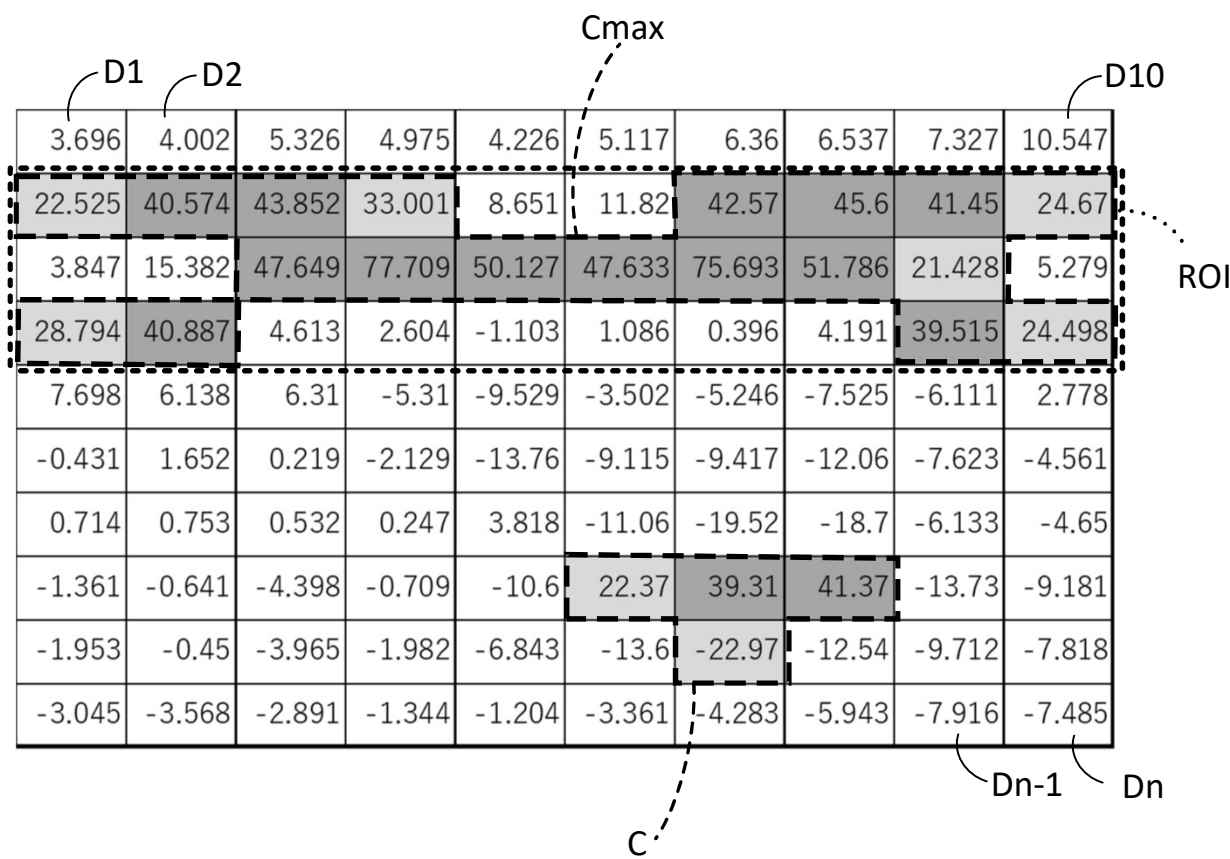


FIG.7B

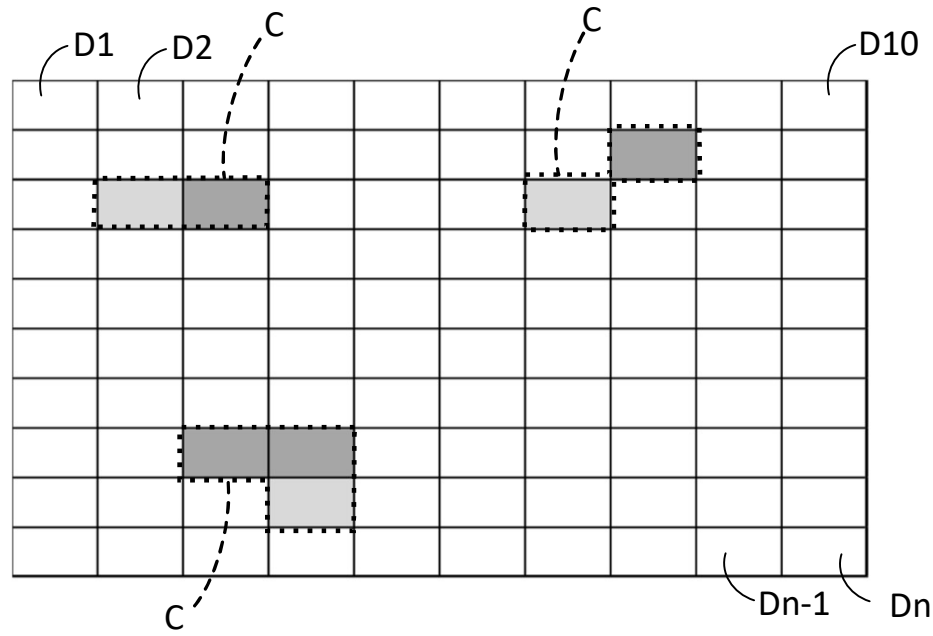


FIG.7C

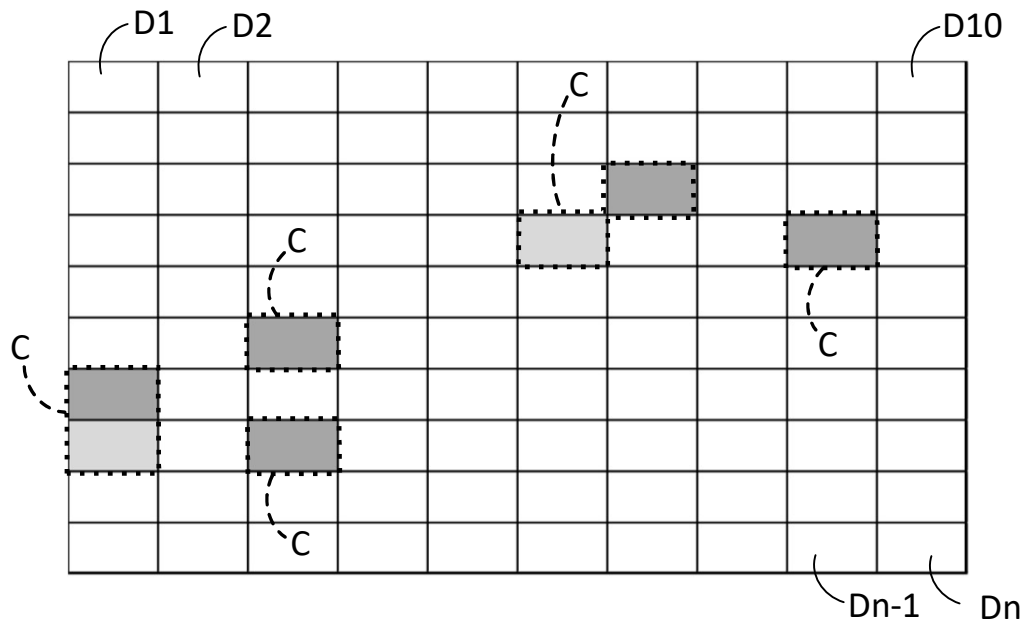


FIG.8

Parameter L (third threshold Th3)	Number of pixels where brightness is greater than or equal to L within bad mark region ROI in component region T1	Number of pixels where brightness is greater than or equal to L within bad mark region ROI in component region T3	Area difference
0	40000	40000	0
1	40000	40000	0
.	.	.	.
.	.	.	.
.	.	.	.
110	39720	39980	260
111	39165	39954	789
.	.	.	.
.	.	.	.
.	.	.	.
120	34420	37232	2812
121	33989	37103	3114
122	33925	37008	3083
.	.	.	.
.	.	.	.
.	.	.	.
255	19896	20342	446

FIG.9

