FIG. 1A

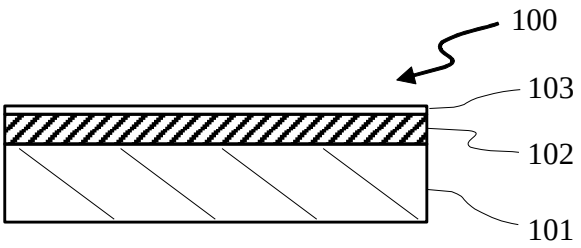



FIG. 1B

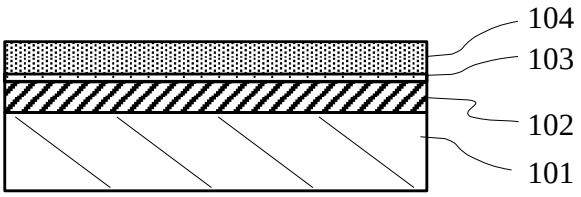



FIG. 1C

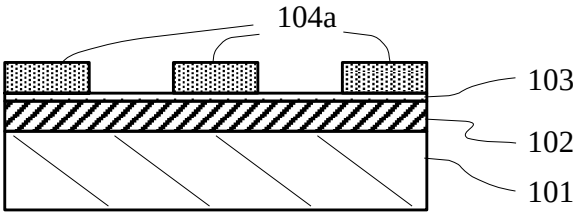



FIG. 1D

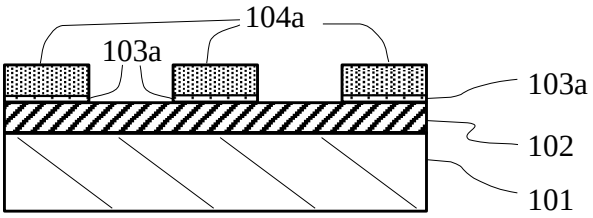



FIG. 1E

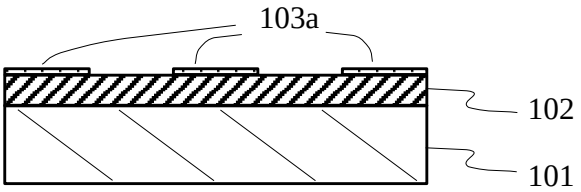



FIG. 1F

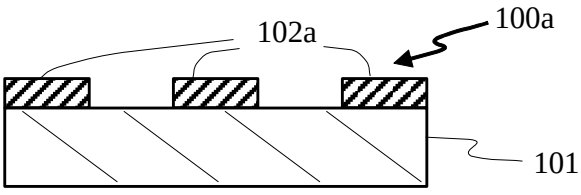


FIG. 2A

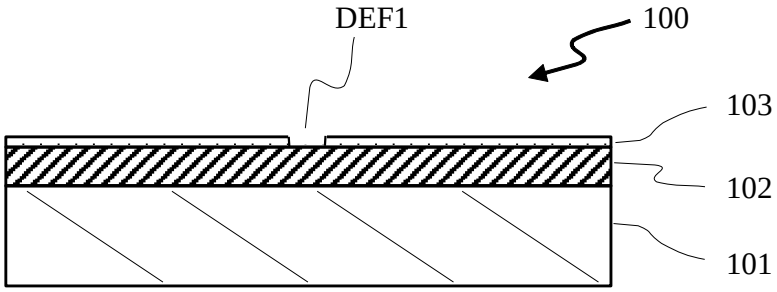



FIG. 2B

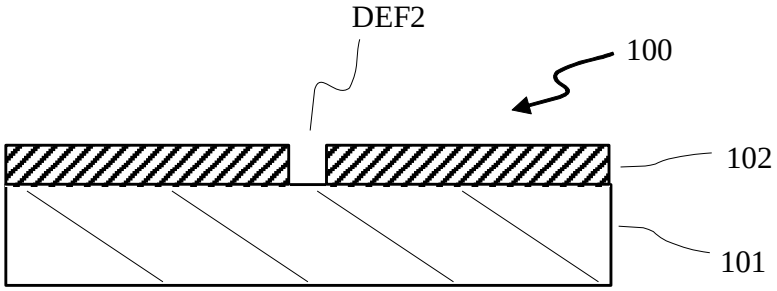



FIG. 2C

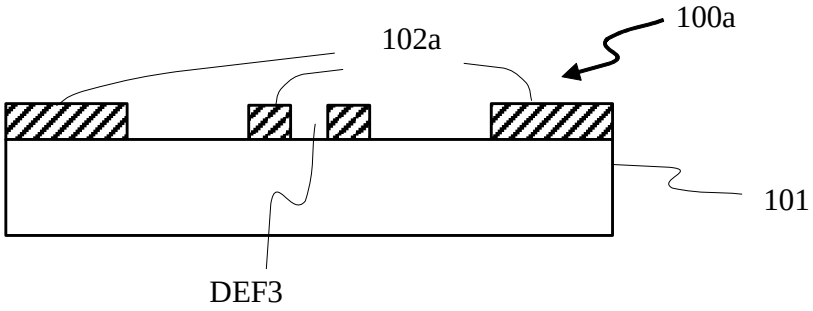


FIG. 3A

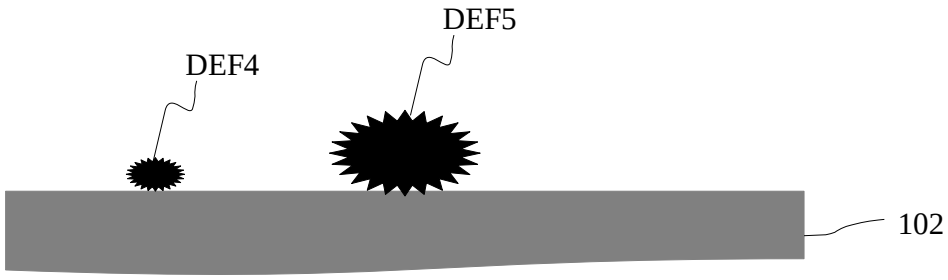



FIG. 3B

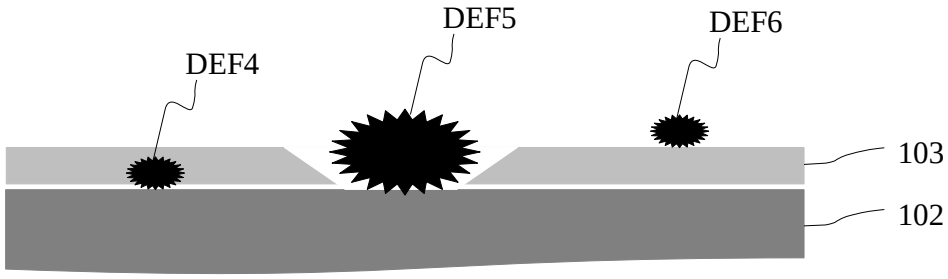



FIG. 3C

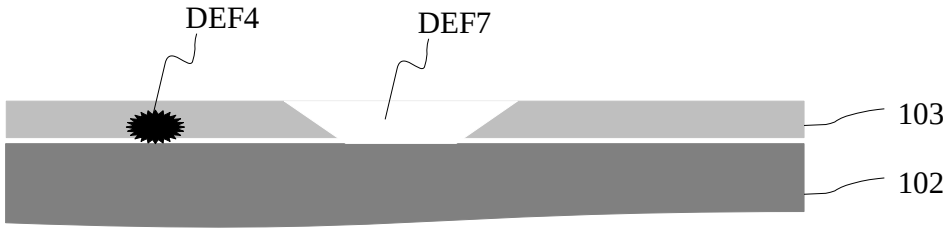


FIG. 4

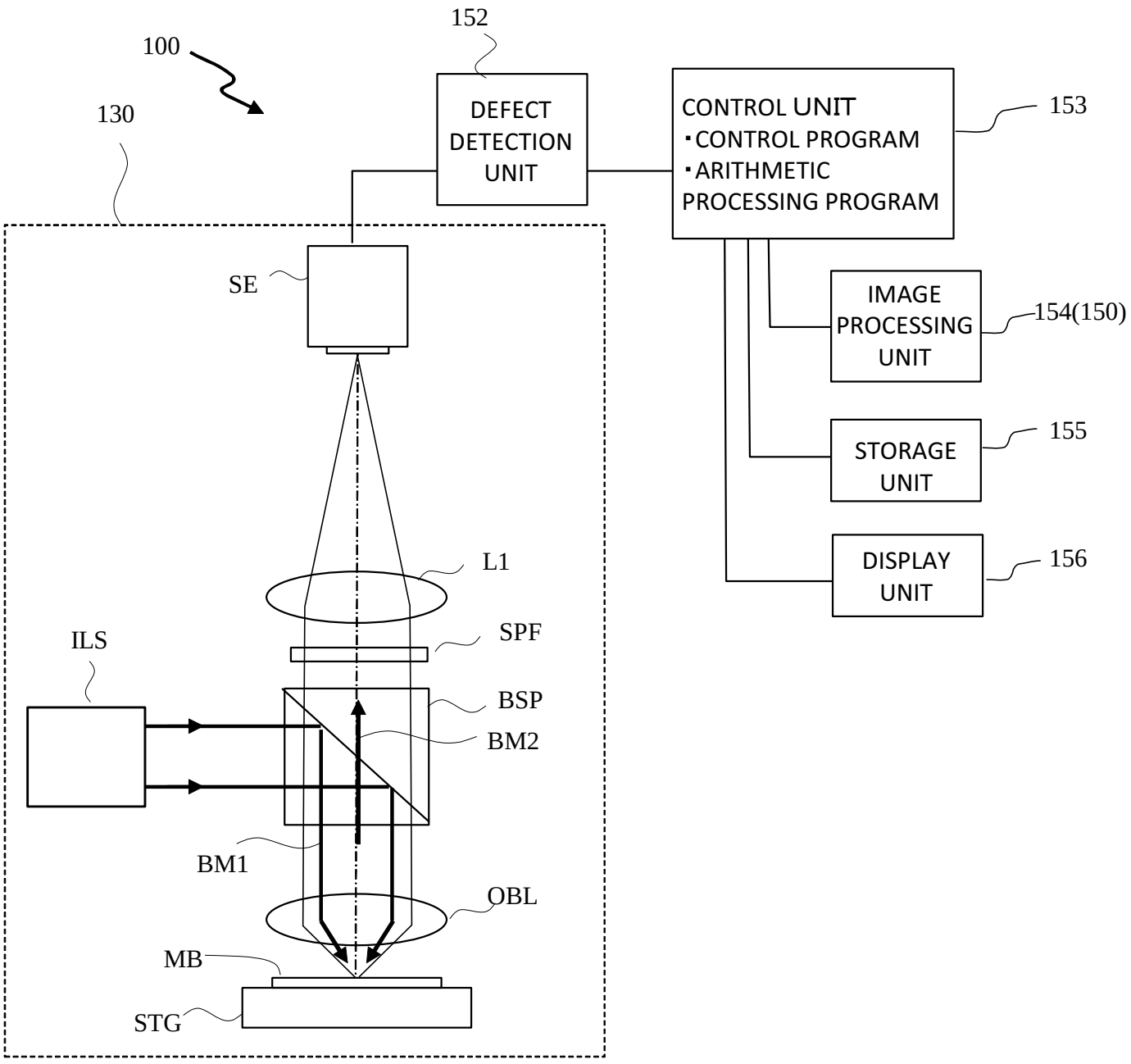

100
130
152
DEFECT DETECTION UNIT
CONTROL UNIT
・CONTROL PROGRAM
・ARITHMETIC PROCESSING PROGRAM
153
IMAGE PROCESSING UNIT
154(150)
STORAGE UNIT
155
DISPLAY UNIT
156
SE
L1
SPF
ILS
BSP
BM2
BM1
OBL
MB
STG

FIG. 5

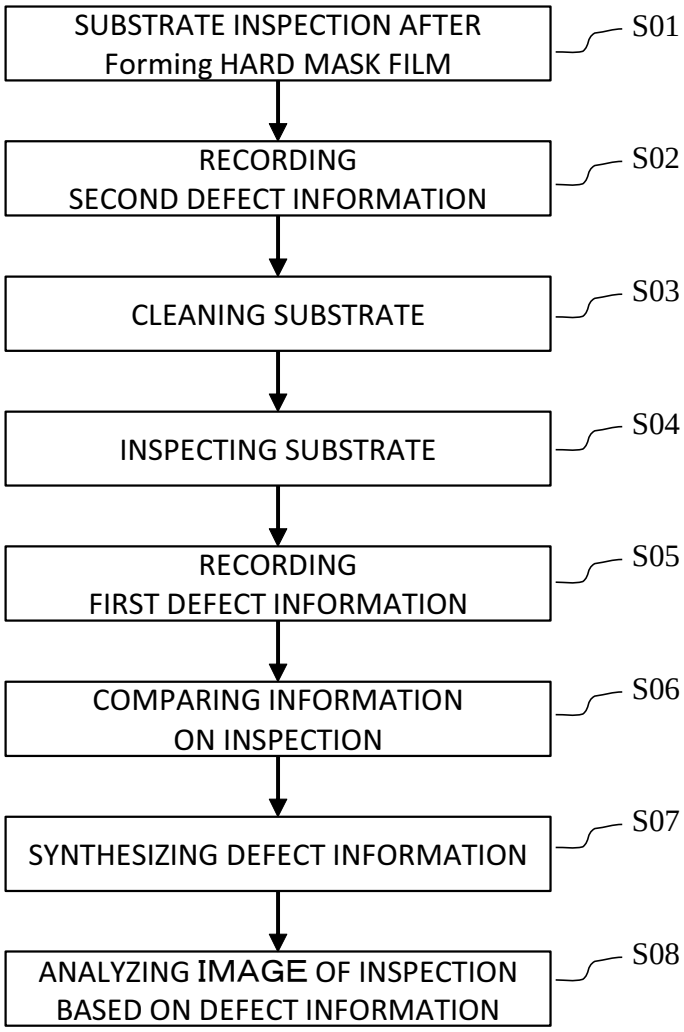

SUBSTRATE INSPECTION AFTER Forming HARD MASK FILM
S01
RECORDING SECOND DEFECT INFORMATION
S02
CLEANING SUBSTRATE
S03
INSPECTING SUBSTRATE
S04
RECORDING FIRST DEFECT INFORMATION
S05
COMPARING INFORMATION ON INSPECTION
S06
SYNTHESIZING DEFECT INFORMATION
S07
ANALYZING IMAGE OF INSPECTION BASED ON DEFECT INFORMATION
S08

FIG. 6

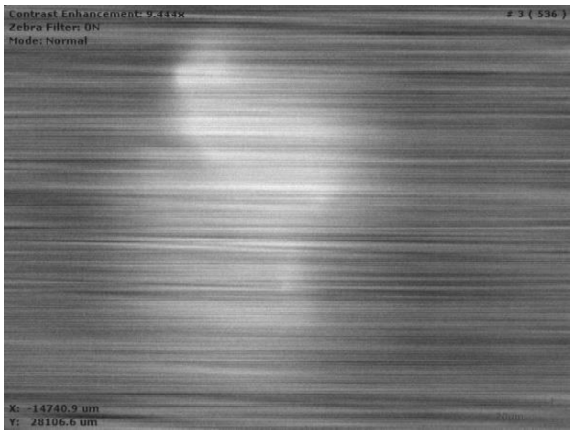
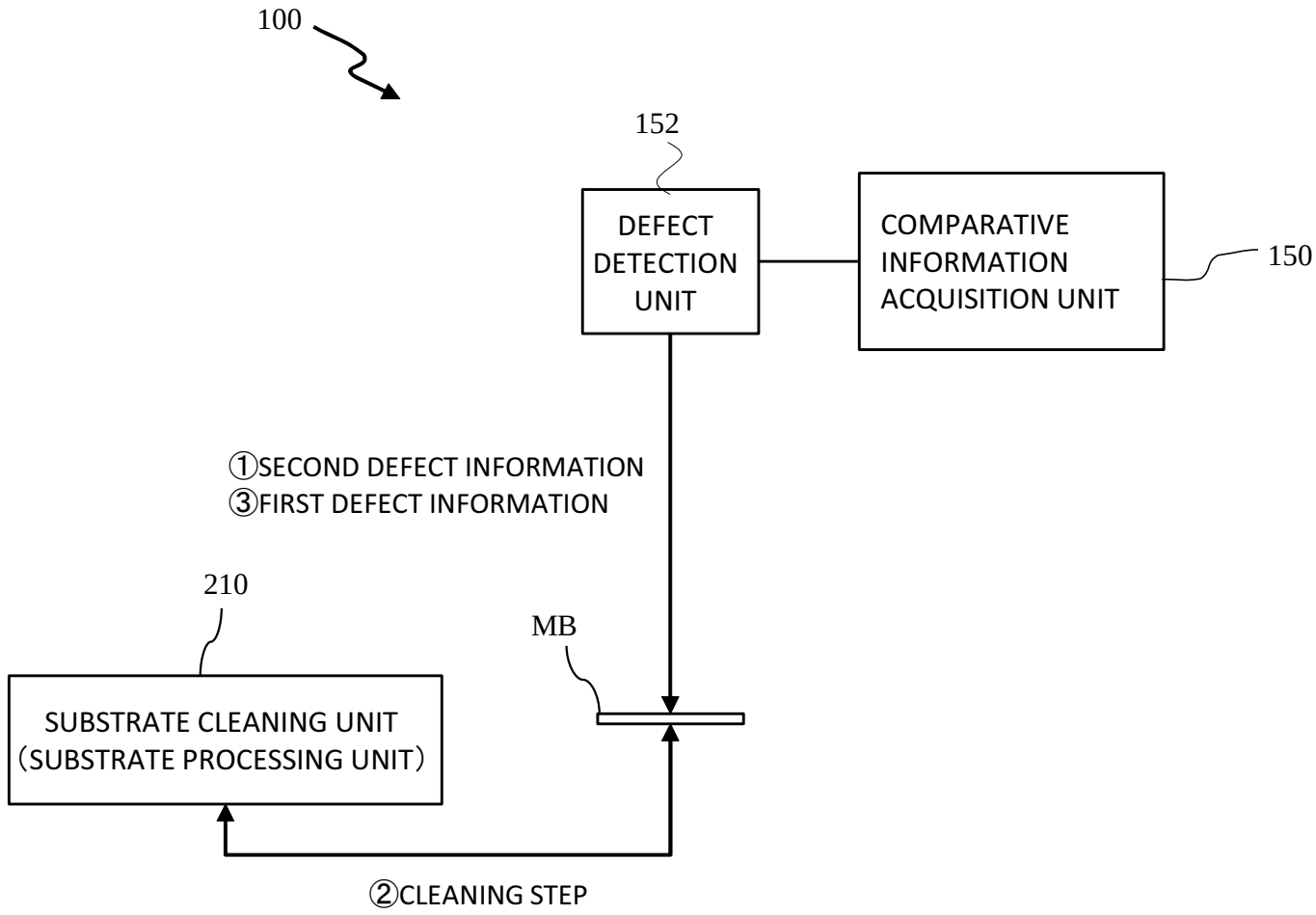

Contrast Enhancement: 9.444x
# 3 ( 536 )
Zebra Filter: ON
Mode: Normal
X: -14740.9 um
Y: 28106.6 um
20um

FIG. 7


100
152
DEFECT DETECTION UNIT
COMPARATIVE INFORMATION ACQUISITION UNIT
150
①SECOND DEFECT INFORMATION
③FIRST DEFECT INFORMATION
210
MB
SUBSTRATE CLEANING UNIT
(SUBSTRATE PROCESSING UNIT)
②CLEANING STEP