FIG. 1

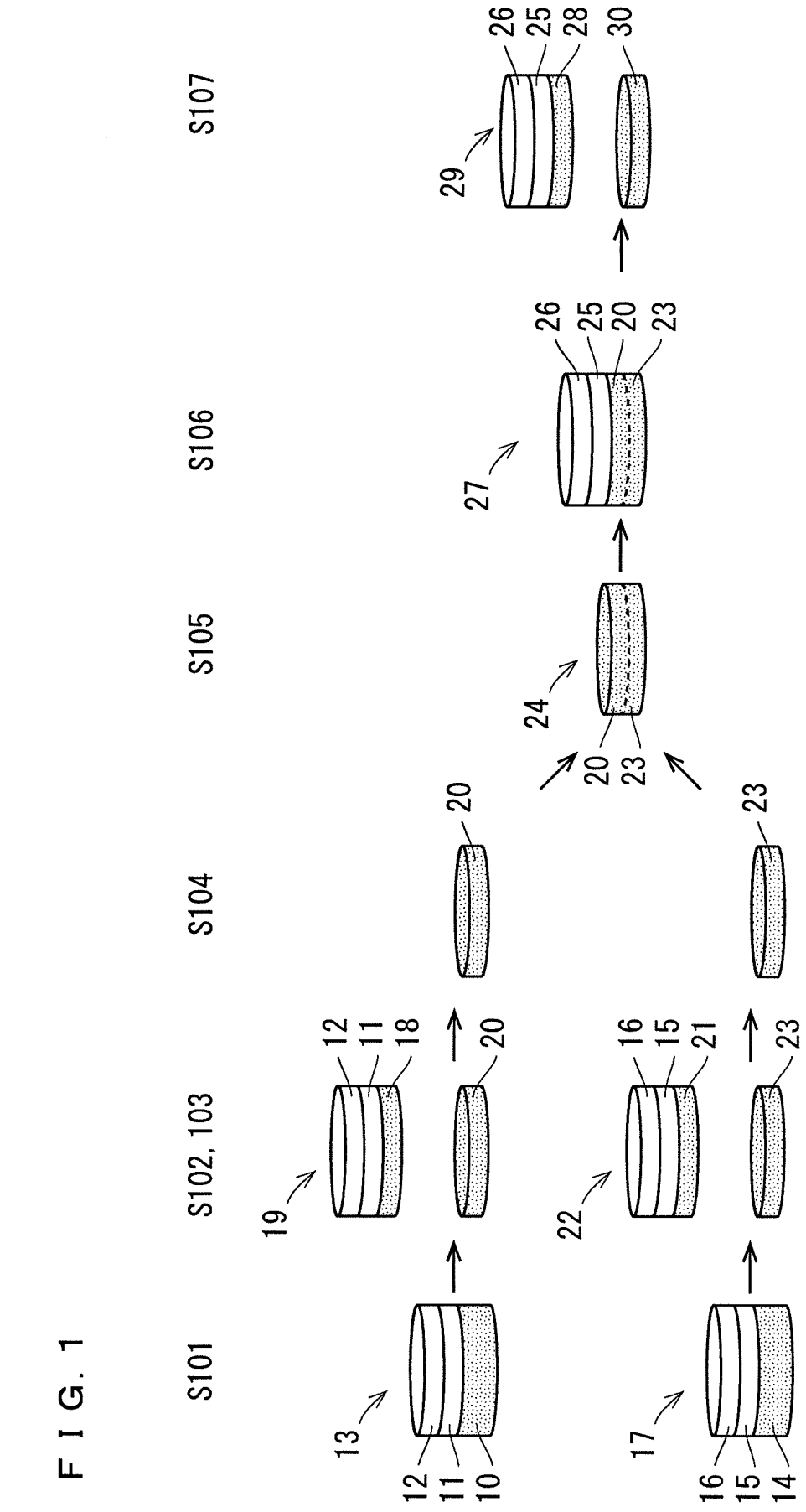

S101
S102, 103
S104
S105
S106
S107
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FIG. 2

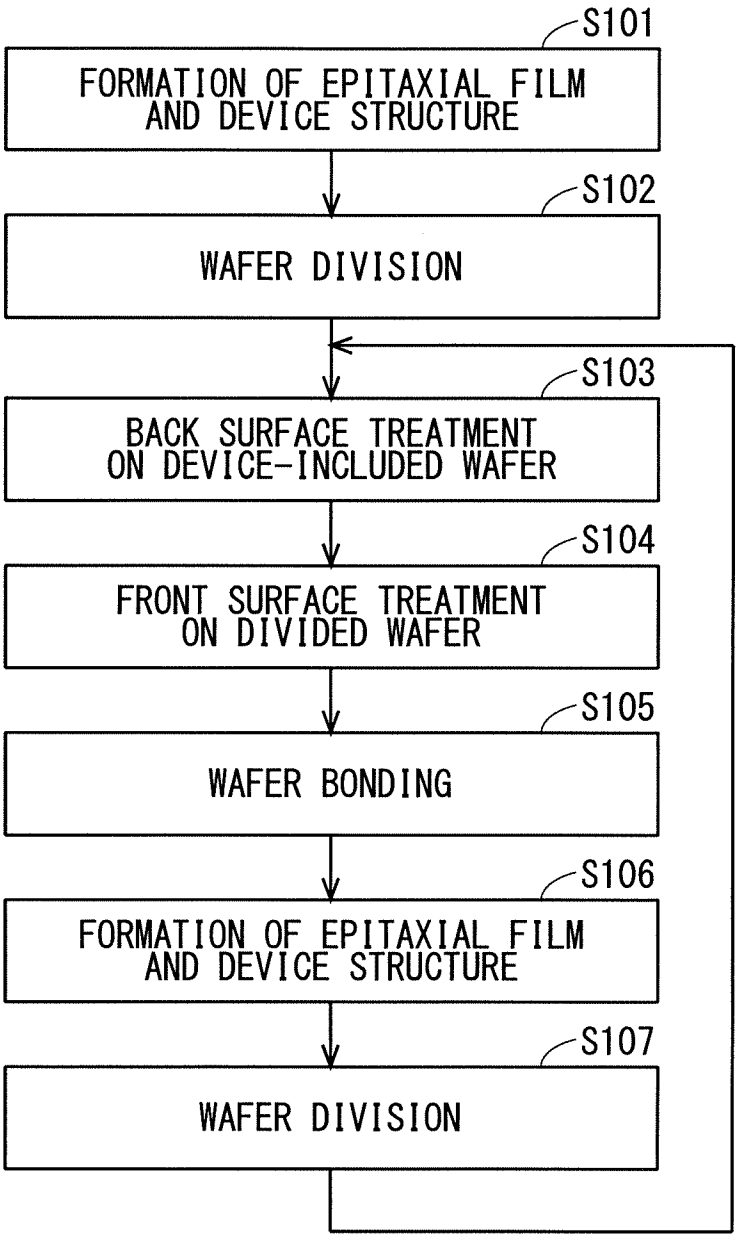

S101
FORMATION OF EPITAXIAL FILM AND DEVICE STRUCTURE
S102
WAFER DIVISION
S103
BACK SURFACE TREATMENT ON DEVICE-INCLUDED WAFER
S104
FRONT SURFACE TREATMENT ON DIVIDED WAFER
S105
WAFER BONDING
S106
FORMATION OF EPITAXIAL FILM AND DEVICE STRUCTURE
S107
WAFER DIVISION

FIG. 3

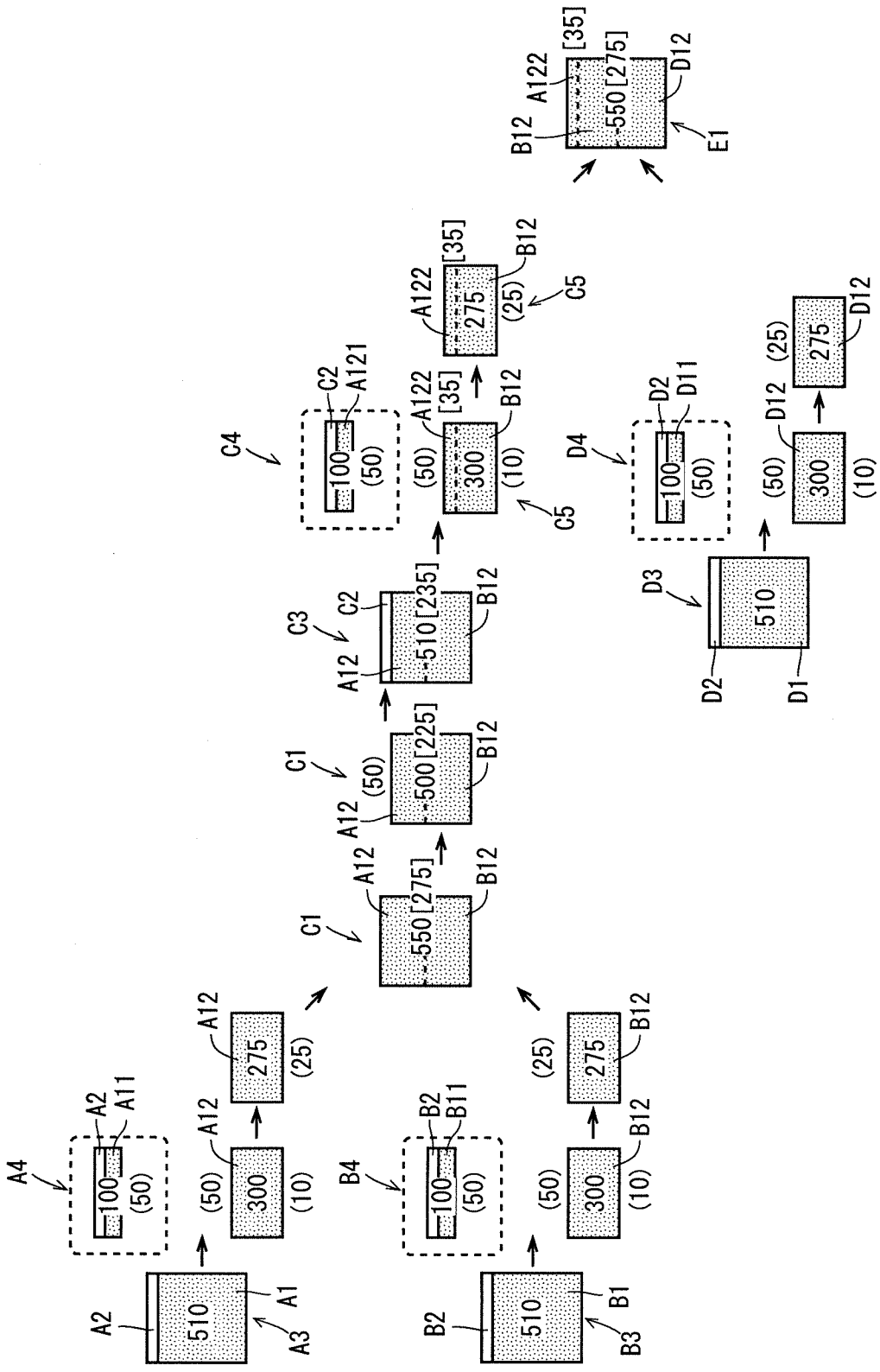

A4
A2
A11
100
(50)
A2
510
A1
A3
(50)
A12
300
(10)
A12
275
(25)
B4
B2
B11
100
(50)
B2
510
B1
B3
(50)
B12
300
(10)
(25)
B12
275
C1
A12
-550[275]
B12
C1
A12
(50)
-500[225]
B12
C3
A12
C2
-510[235]
B12
C4
C2
A121
100
(50)
(50)
A122
[35]
B12
300
(10)
C5
A122
[35]
B12
275
(25)
C5
B12
A122
[35]
-550[275]
D12
E1
D4
D2
D11
100
(50)
D3
510
D2
D1
(50)
D12
300
(10)
(25)
D12
275

FIG. 4

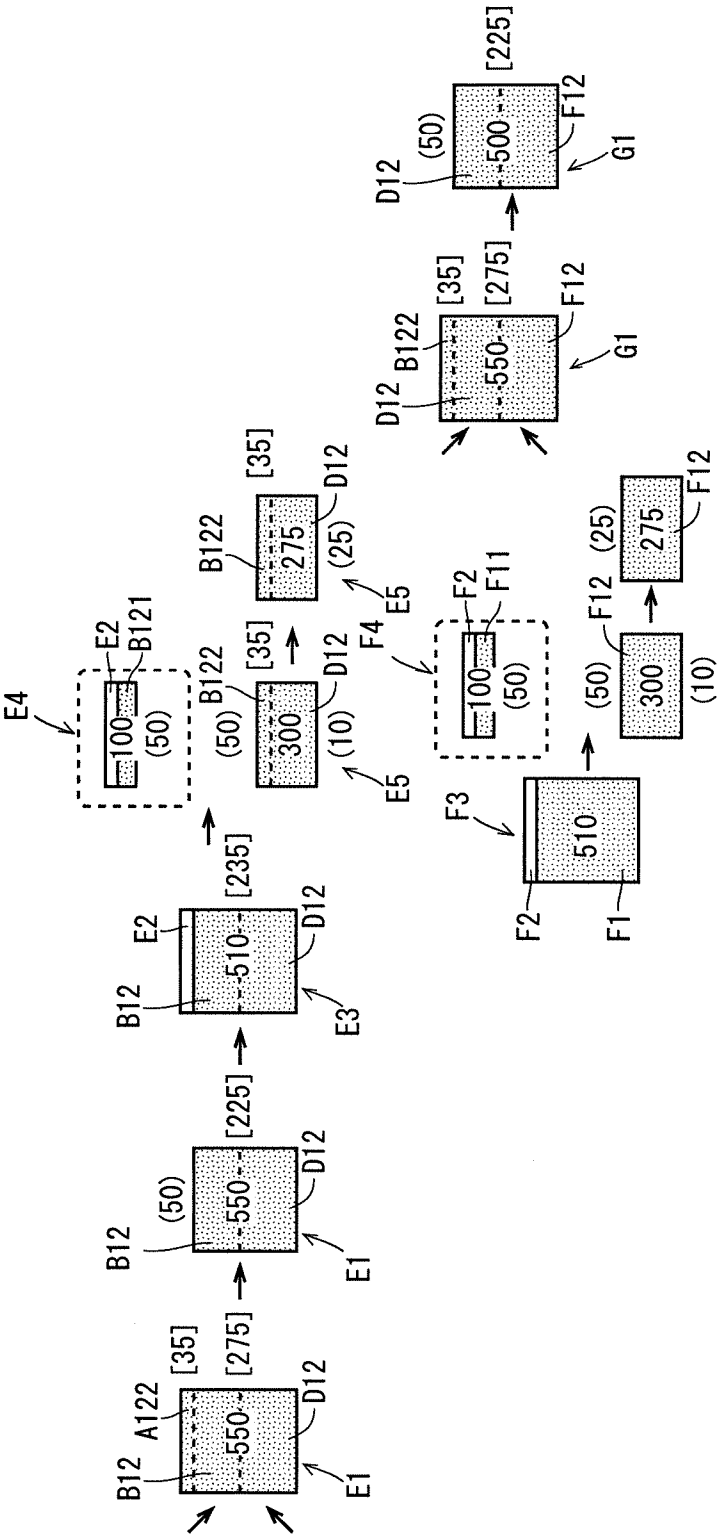

B12
A122
[35]
[275]
D12
550
E1
B12
(50)
[225]
D12
550
E1
B12
E2
[235]
D12
510
E3
E4
E2
B121
100
(50)
B122
(50)
[35]
D12
300
(10)
E5
B122
[35]
D12
275
(25)
E5
F4
F2
F11
100
(50)
F3
510
F2
F1
D12
(50)
[225]
F12
500
G1
D12
B122
[35]
[275]
F12
550
G1
(50)
F12
300
(10)
(25)
F12
275

FIG. 5

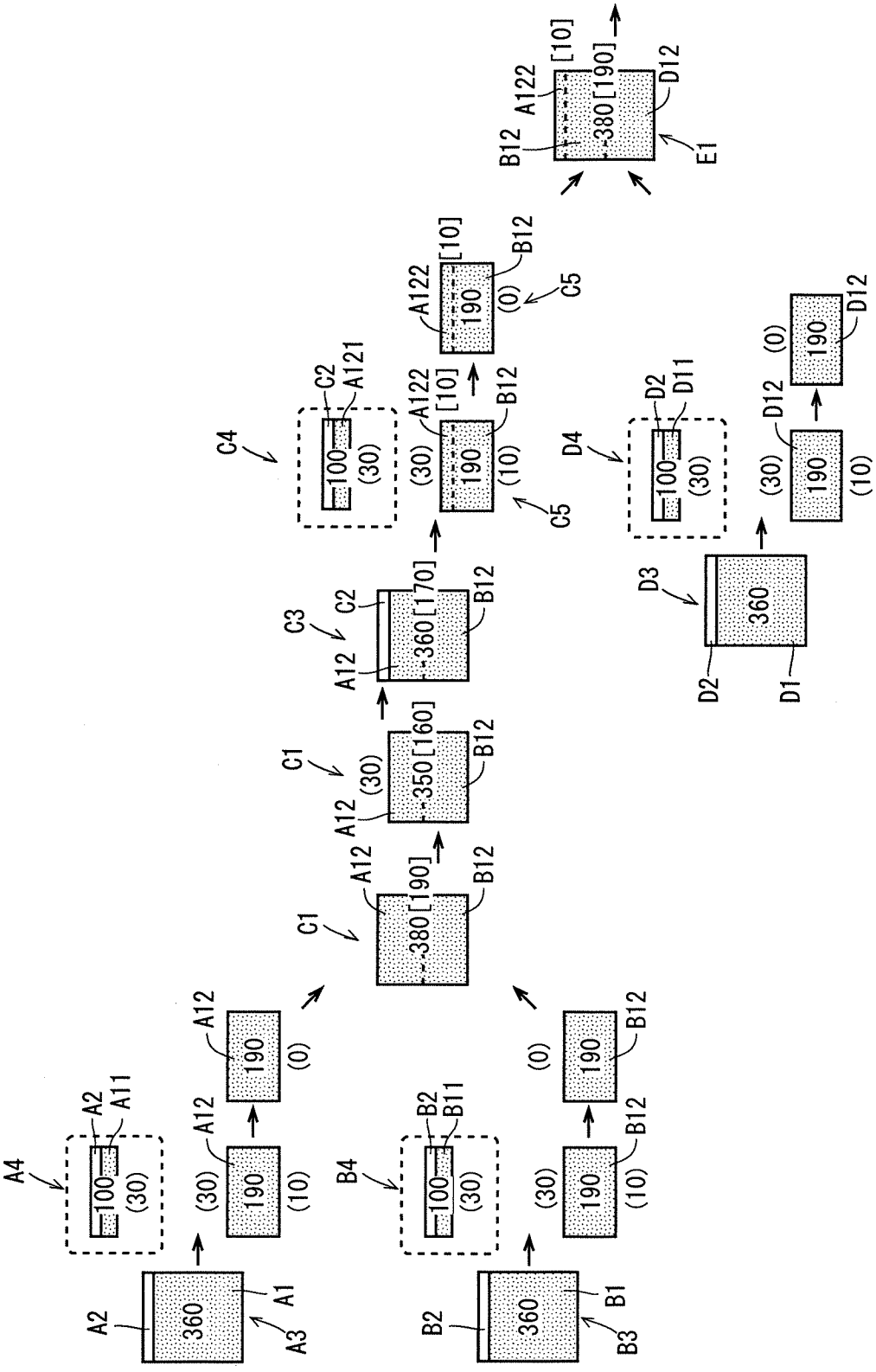

A4
A2
A11
100
(30)
A12
(30)
190
(10)
A12
190
(0)
A2
360
A1
A3
B4
B2
B11
100
(30)
B12
(30)
190
(10)
B12
190
(0)
B2
360
B1
B3
C1
A12
380[190]
B12
C1
A12
(30)
350[160]
B12
C3
C2
A12
360[170]
B12
C4
C2
A121
100
(30)
C5
(30)
A122
[10]
190
(10)
B12
C5
A122
[10]
190
(0)
B12
B12
A122
[10]
380[190]
D12
E1
D4
D2
D11
100
(30)
D3
360
D2
D1
D12
(0)
190
D12
(30)
190
(10)

FIG. 6

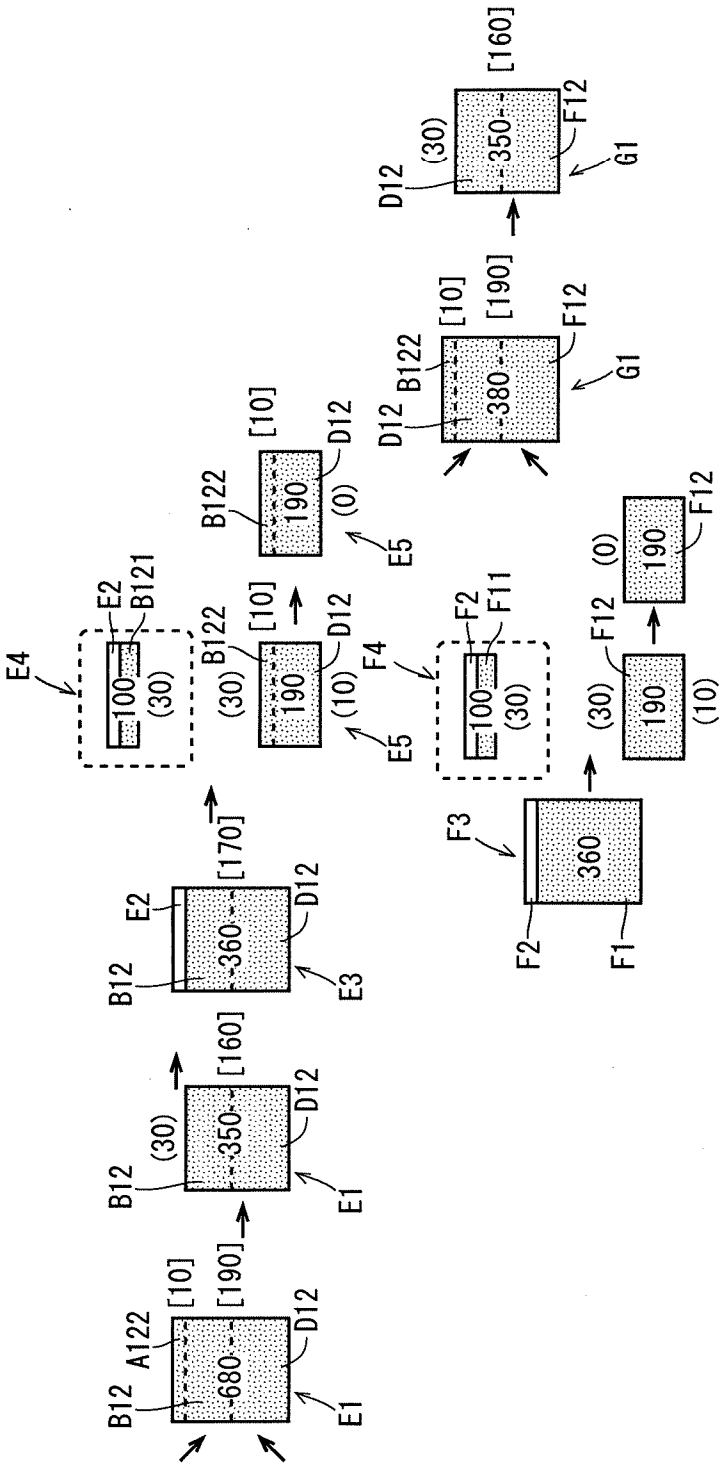

B12
A122
[10]
[190]
D12
680
E1
B12
(30)
350
[160]
D12
E1
B12
E2
360
[170]
D12
E3
E4
100
(30)
E2
B121
B122
(30)
[10]
190
D12
(10)
E5
B122
[10]
190
D12
(0)
E5
F4
100
(30)
F2
F11
F3
360
F2
F1
D12
(30)
350
[160]
F12
G1
D12
B122
[10]
[190]
380
F12
G1
F12
(0)
190
(30)
190
(10)
F12

FIG. 7

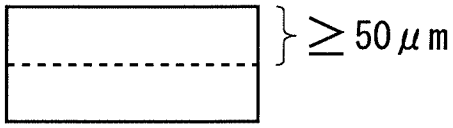


FIG. 8

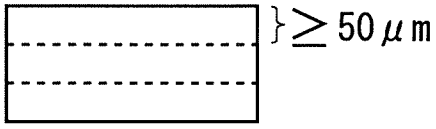


FIG. 9

		DIVISION TIMING (TO BE FRONT SURFACE SIDE)		
		BEFORE EPITAXY	AFTER EPITAXY	AFTER DEVICE FORMATION
DIVISION TIMING (TO BE BACK SURFACE SIDE)	BEFORE EPITAXY	+ (FIG. 10)	+	+
	AFTER EPITAXY	+	+	+
	AFTER DEVICE FORMATION	+	+	+ (FIGS. 1 TO 6)

FIG. 10

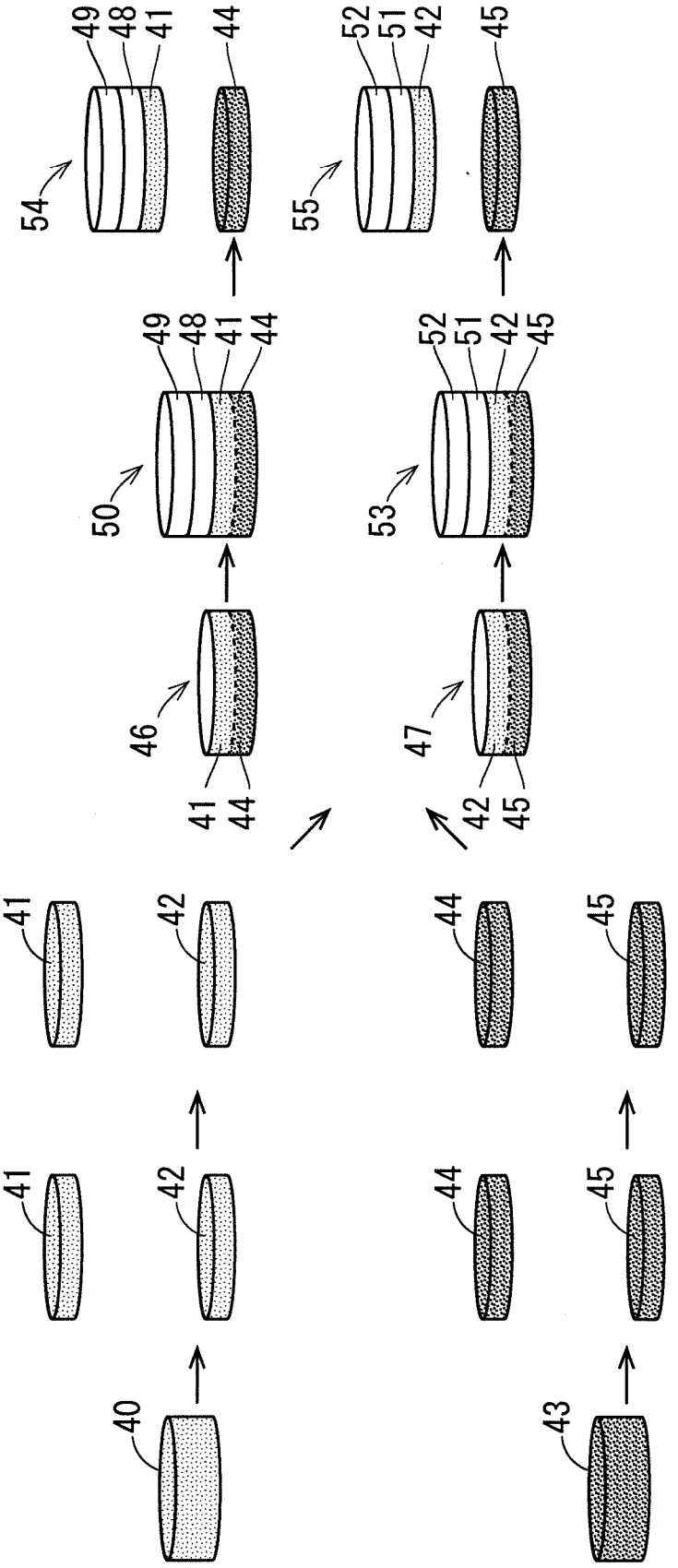


FIG. 11

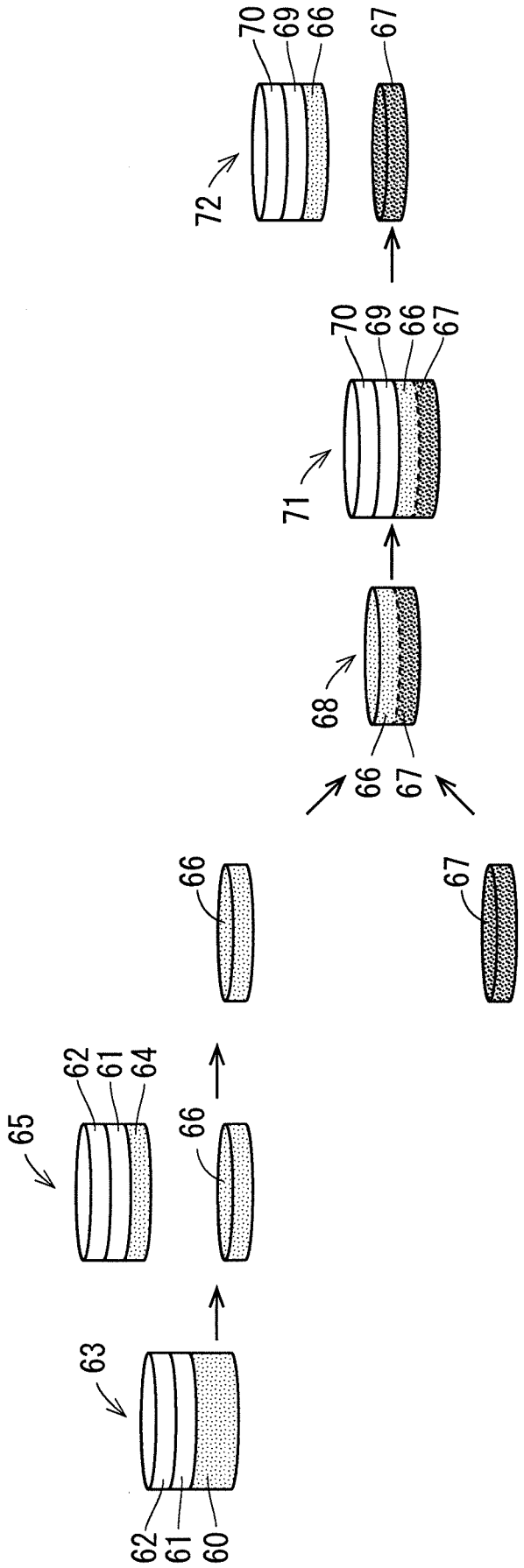


FIG. 12

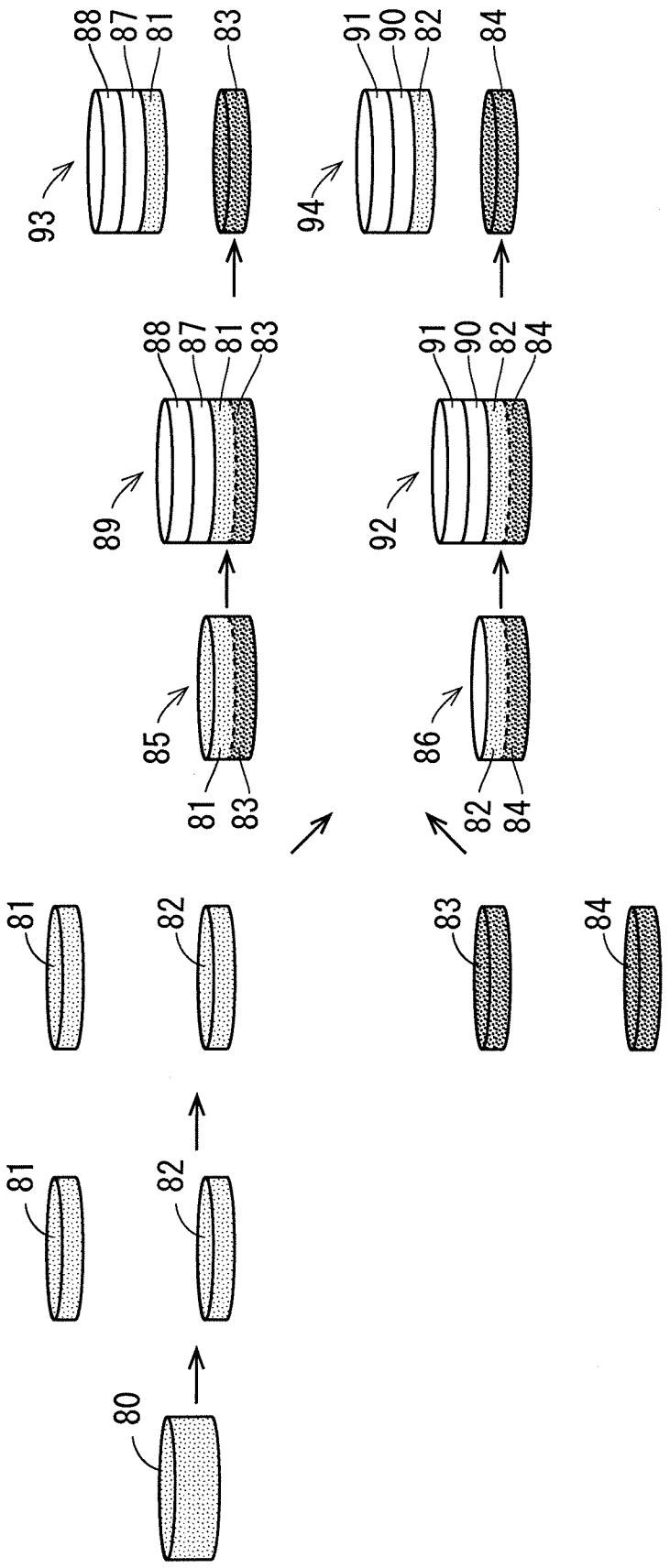

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FIG. 13

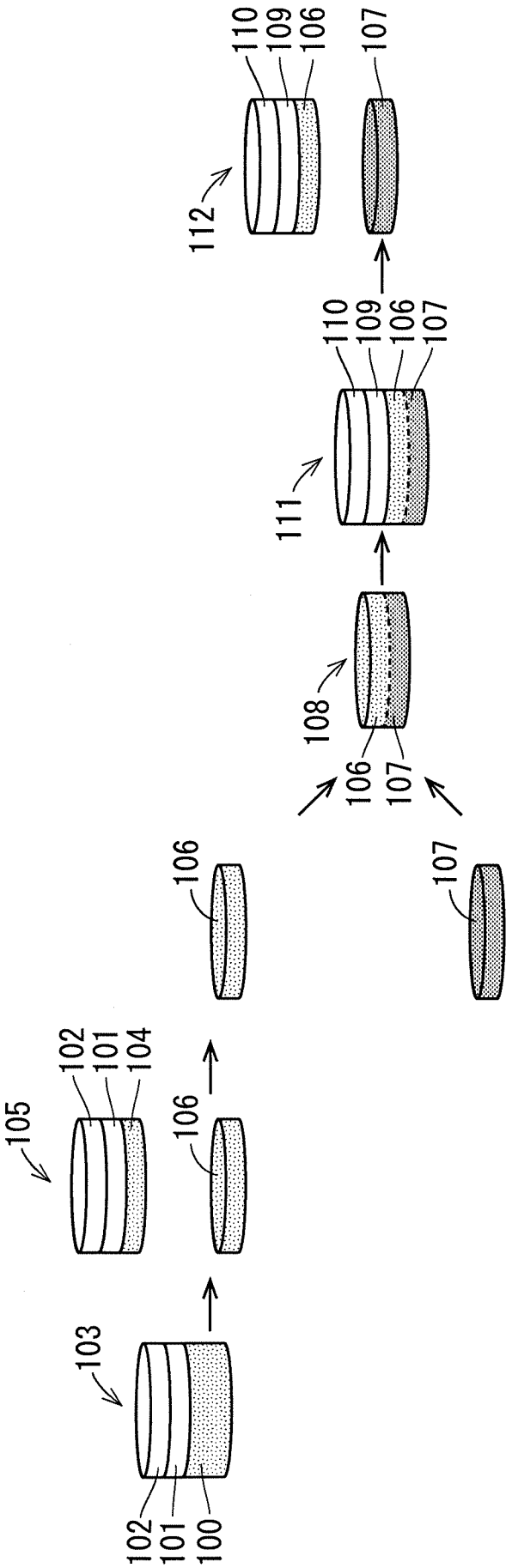
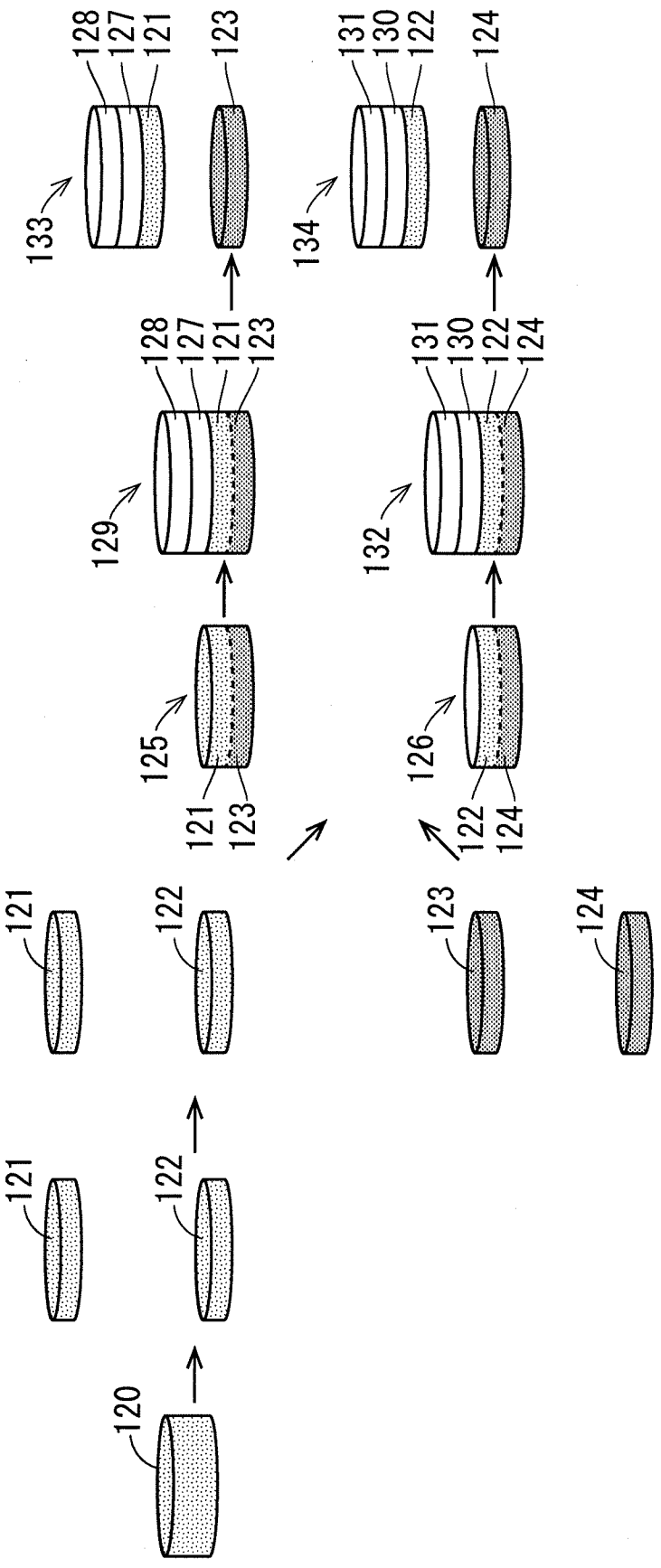

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FIG. 14


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