

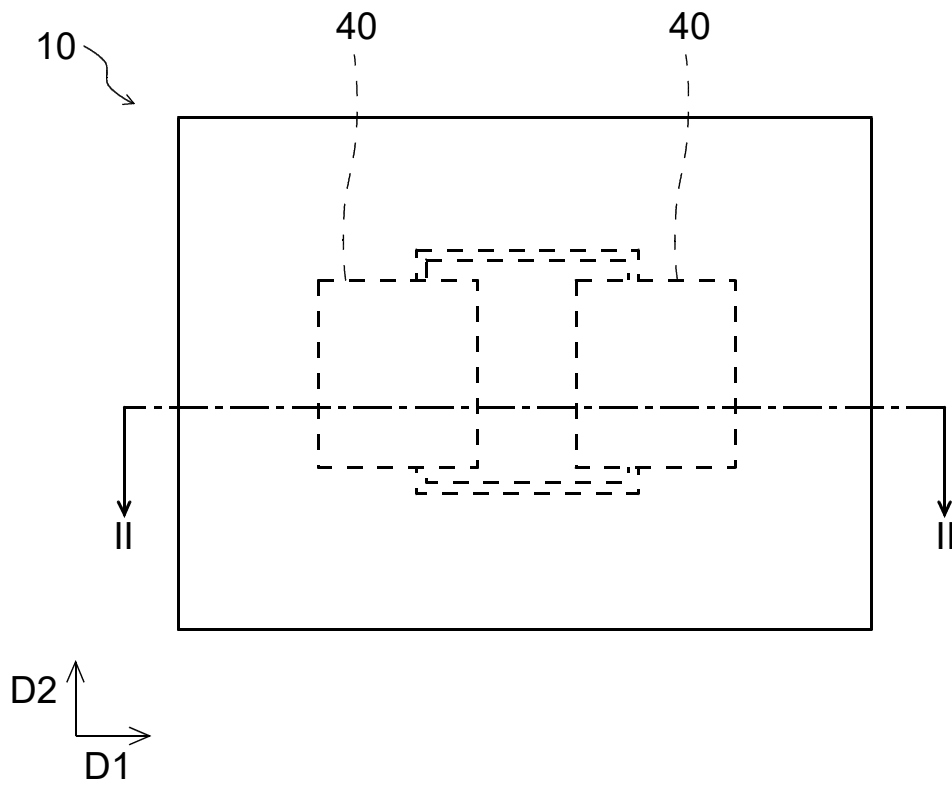


FIG. 1

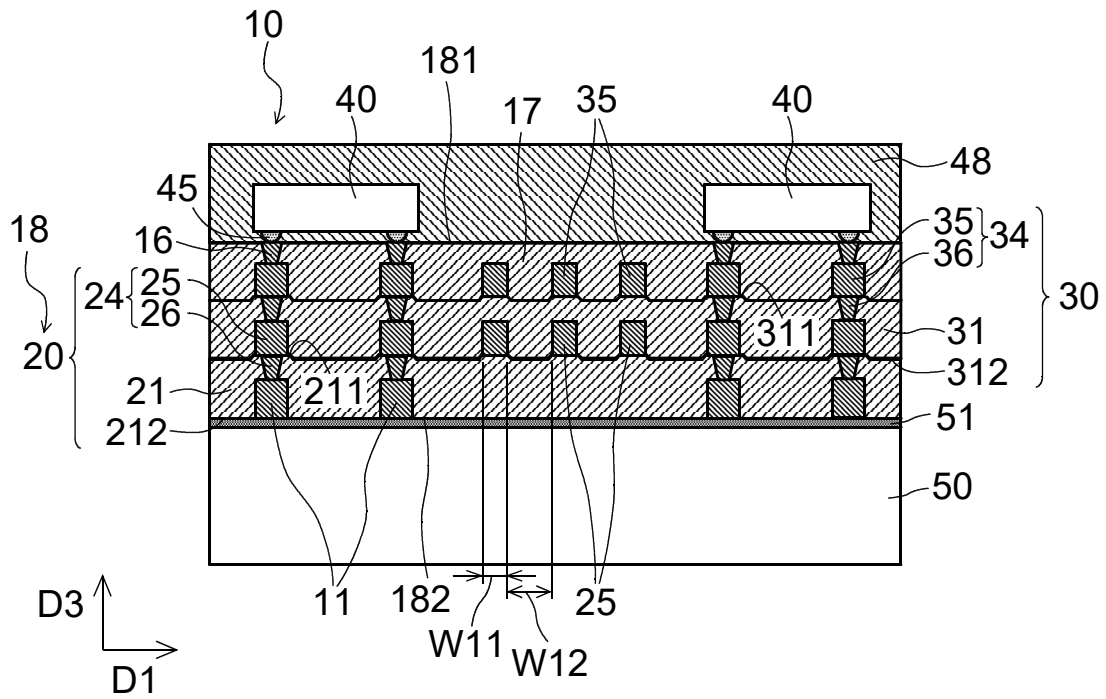


FIG. 2

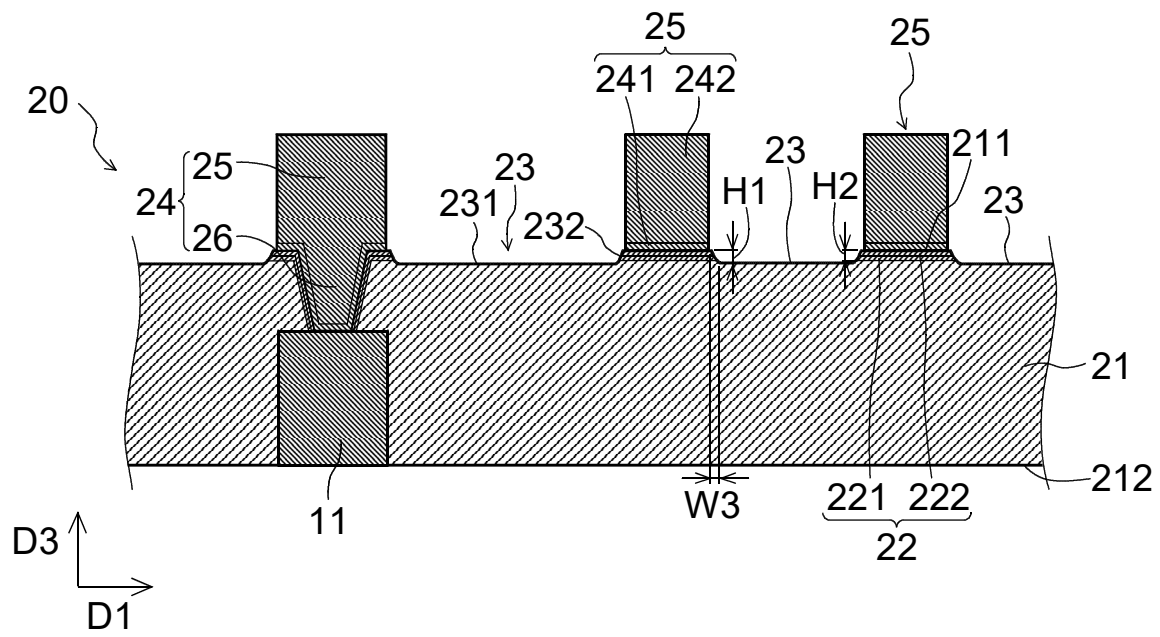


FIG. 3A

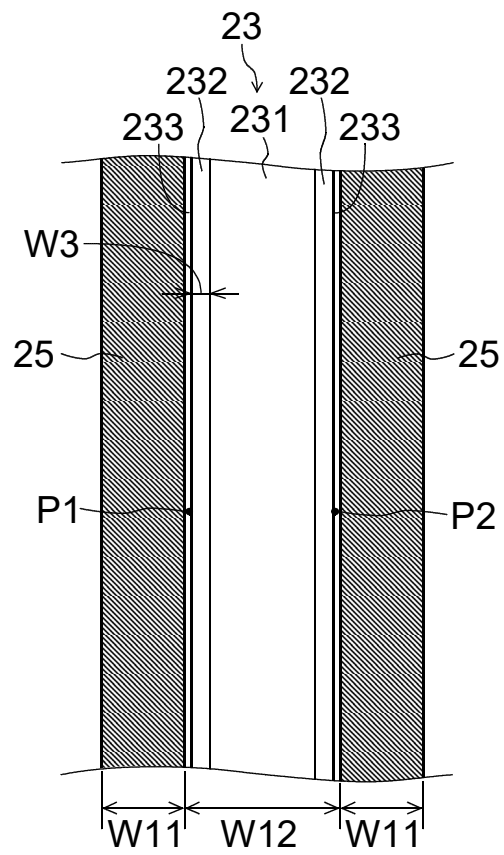


FIG. 3B

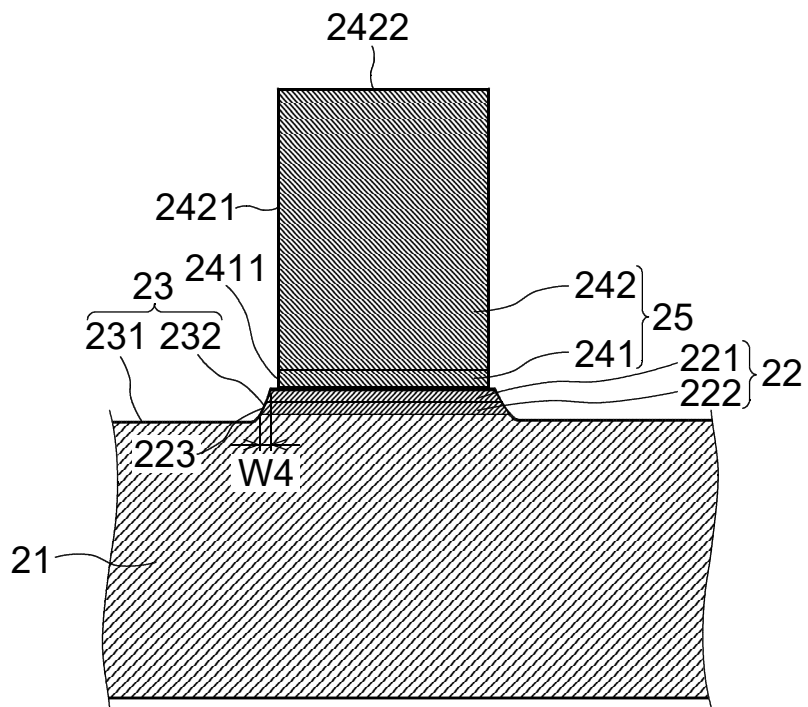


FIG. 3C

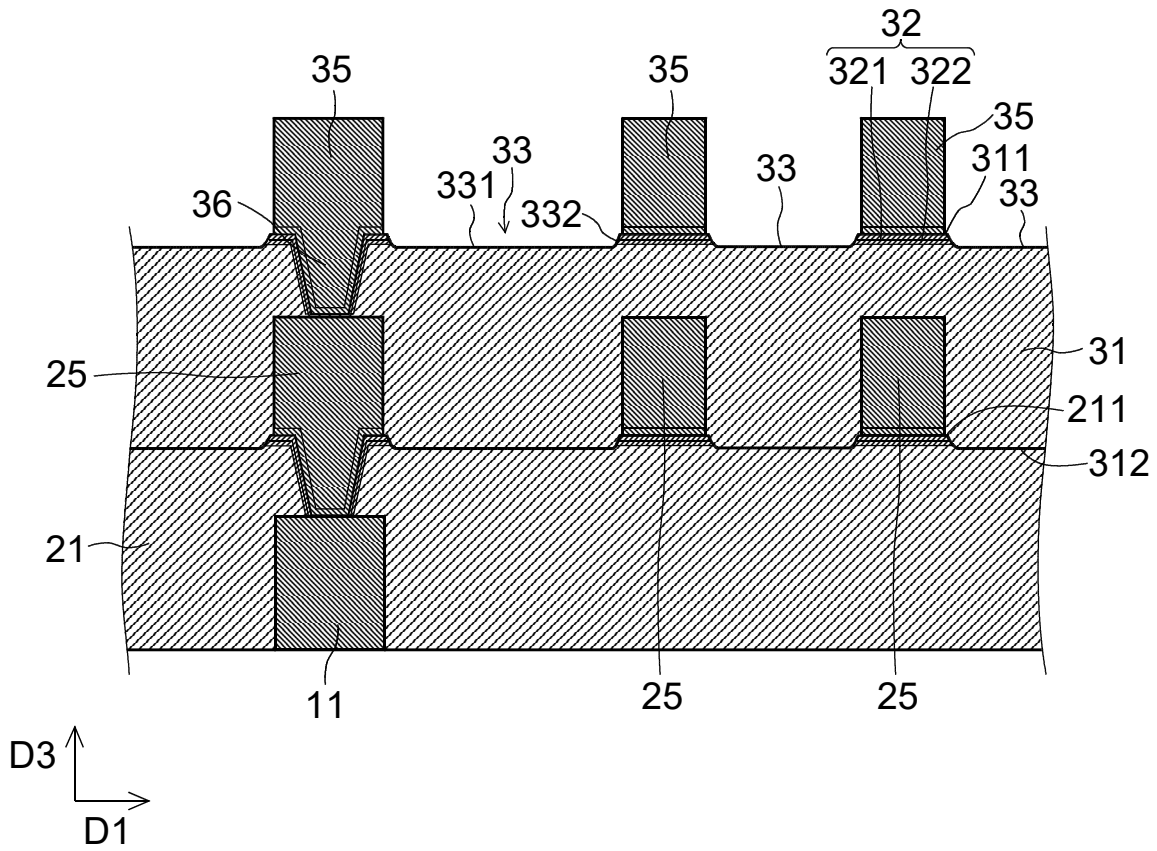


FIG. 4

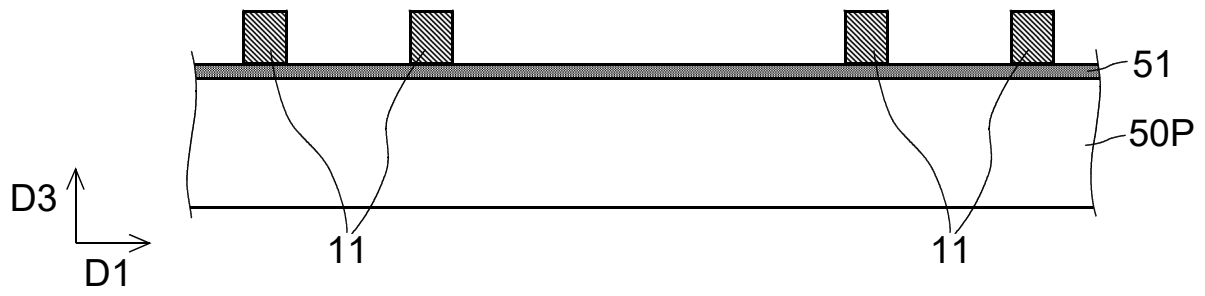


FIG. 5

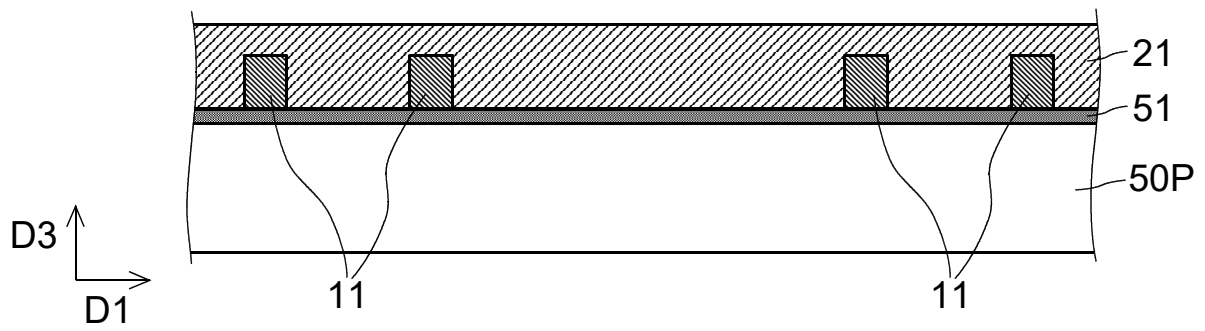


FIG. 6

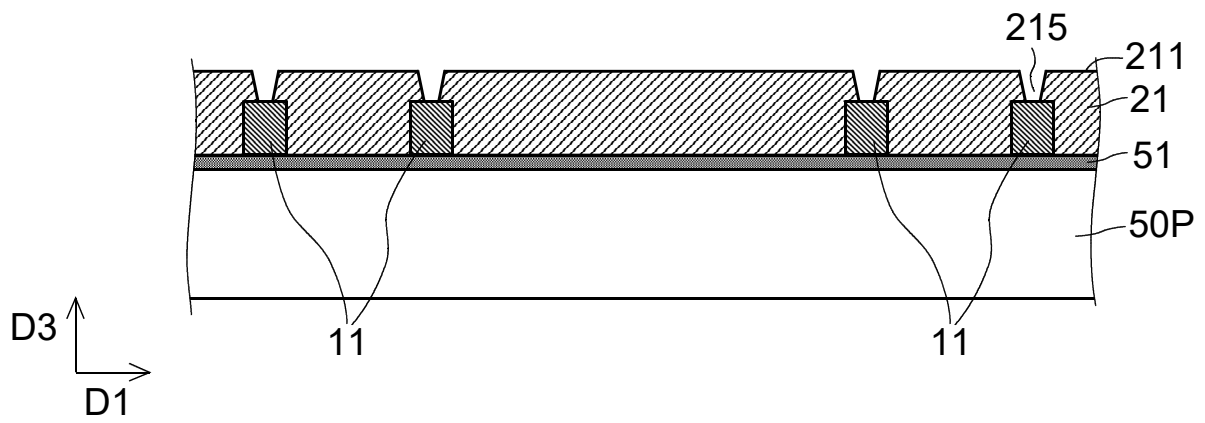


FIG. 7

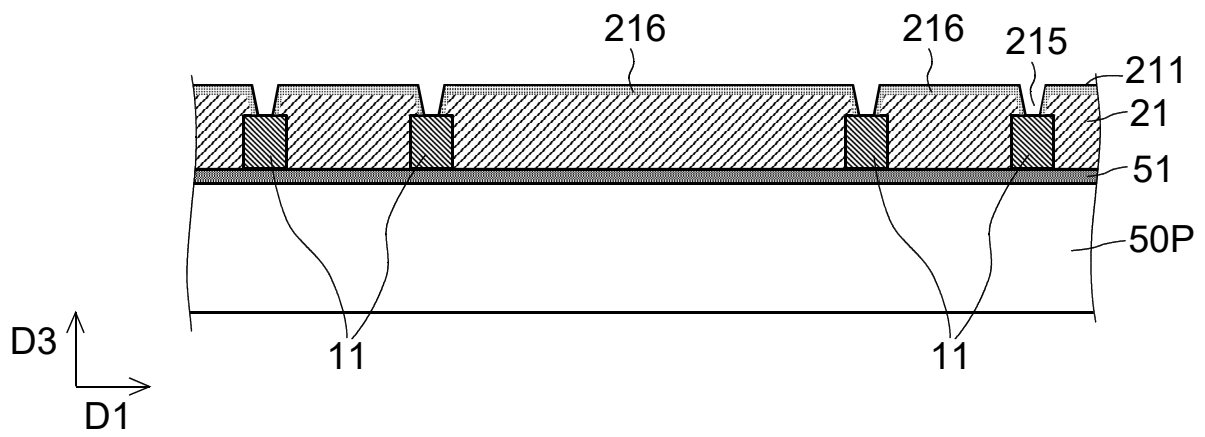


FIG. 8

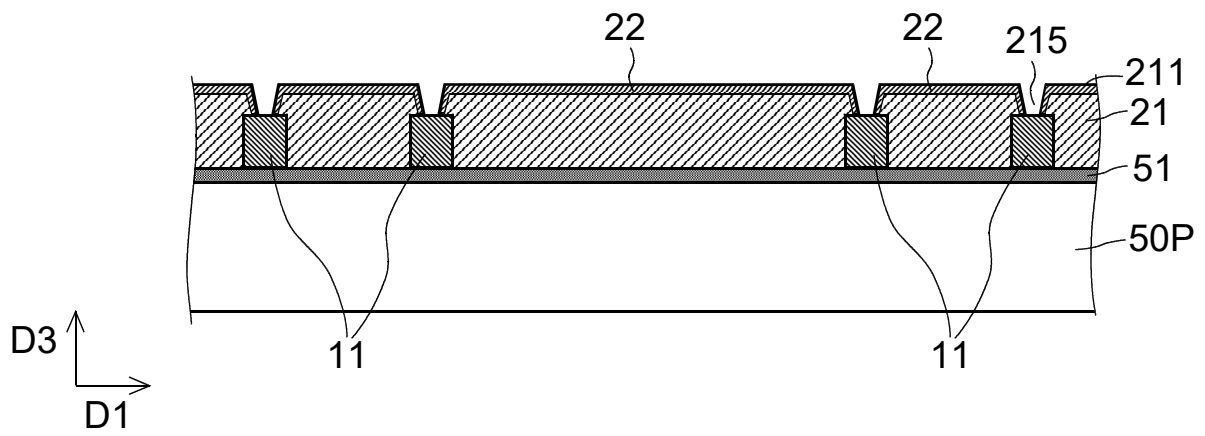


FIG. 9

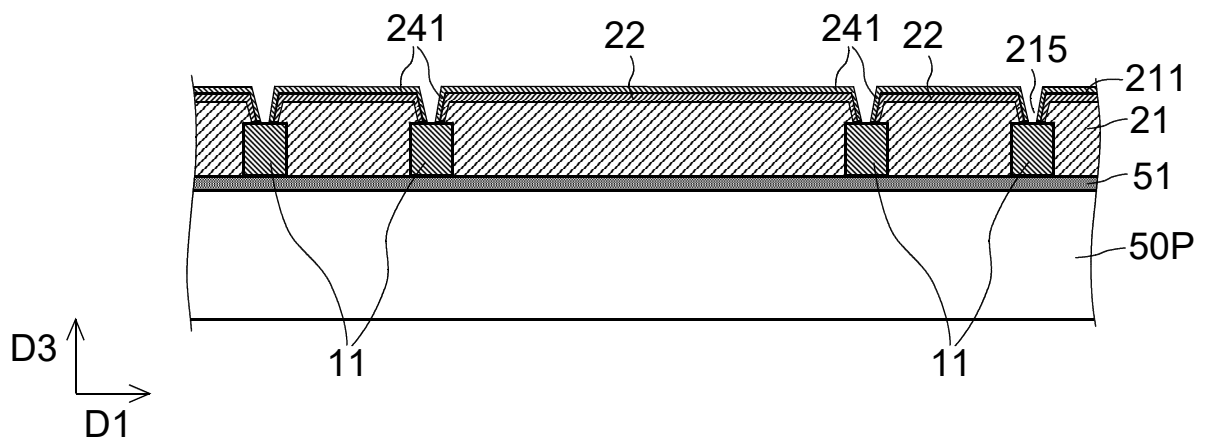


FIG. 10

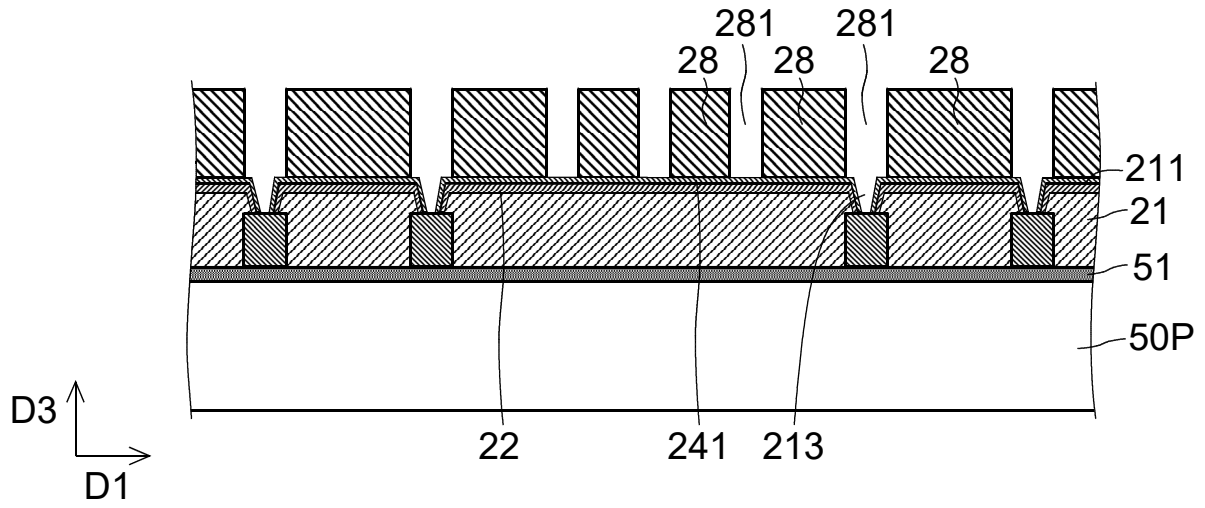


FIG. 11

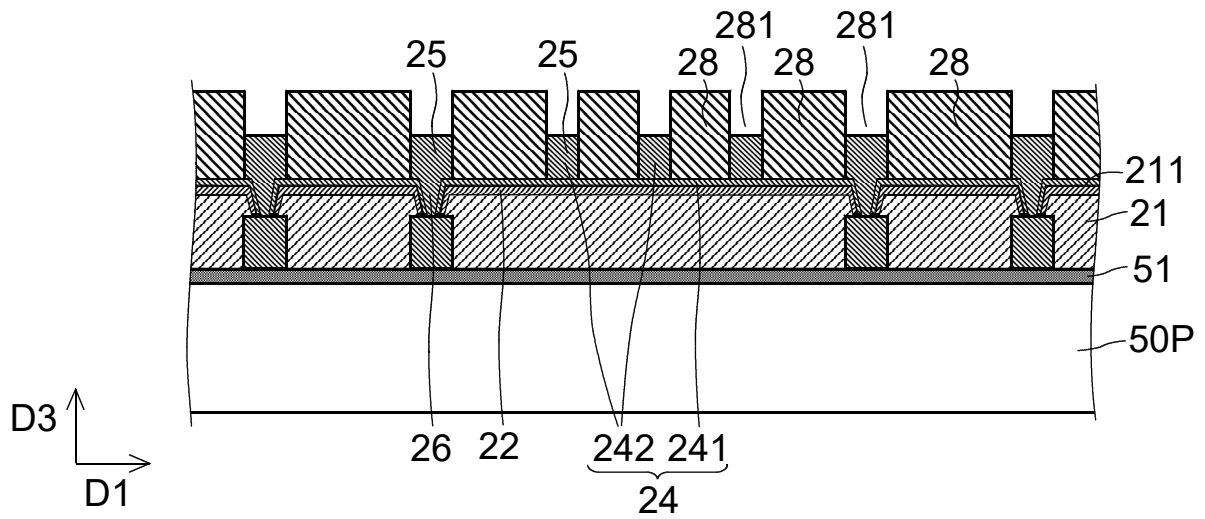


FIG. 12

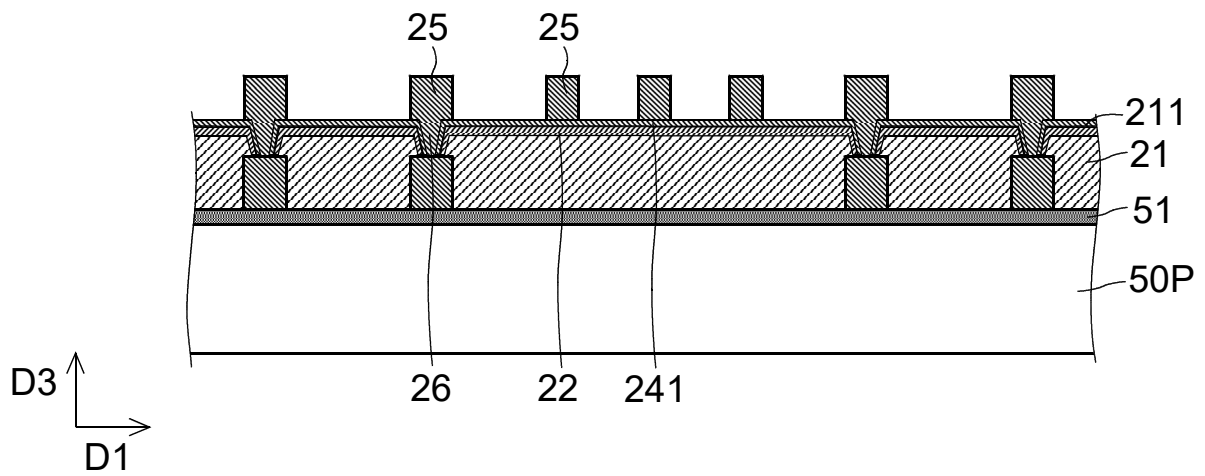


FIG. 13

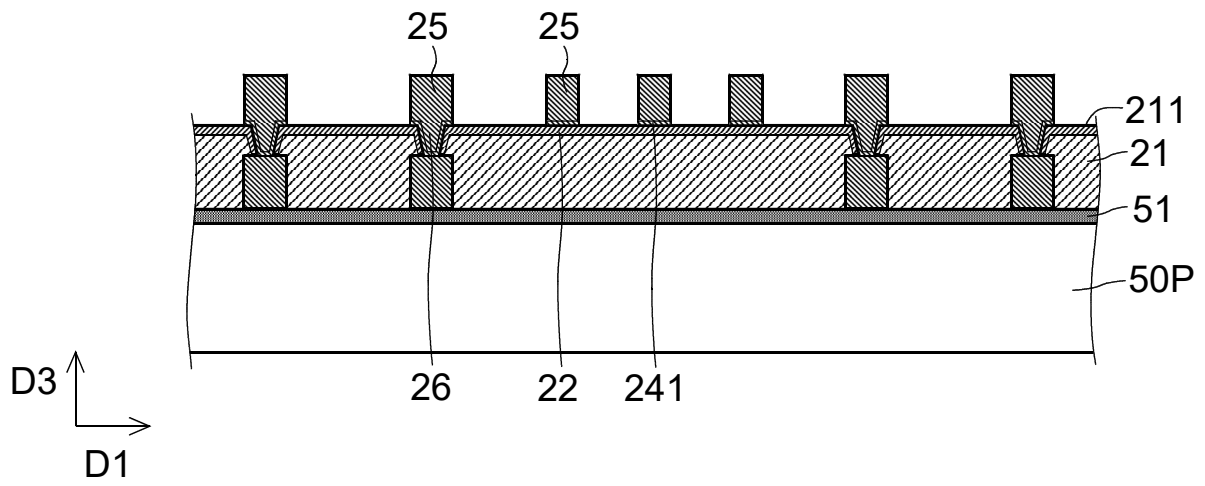


FIG. 14A

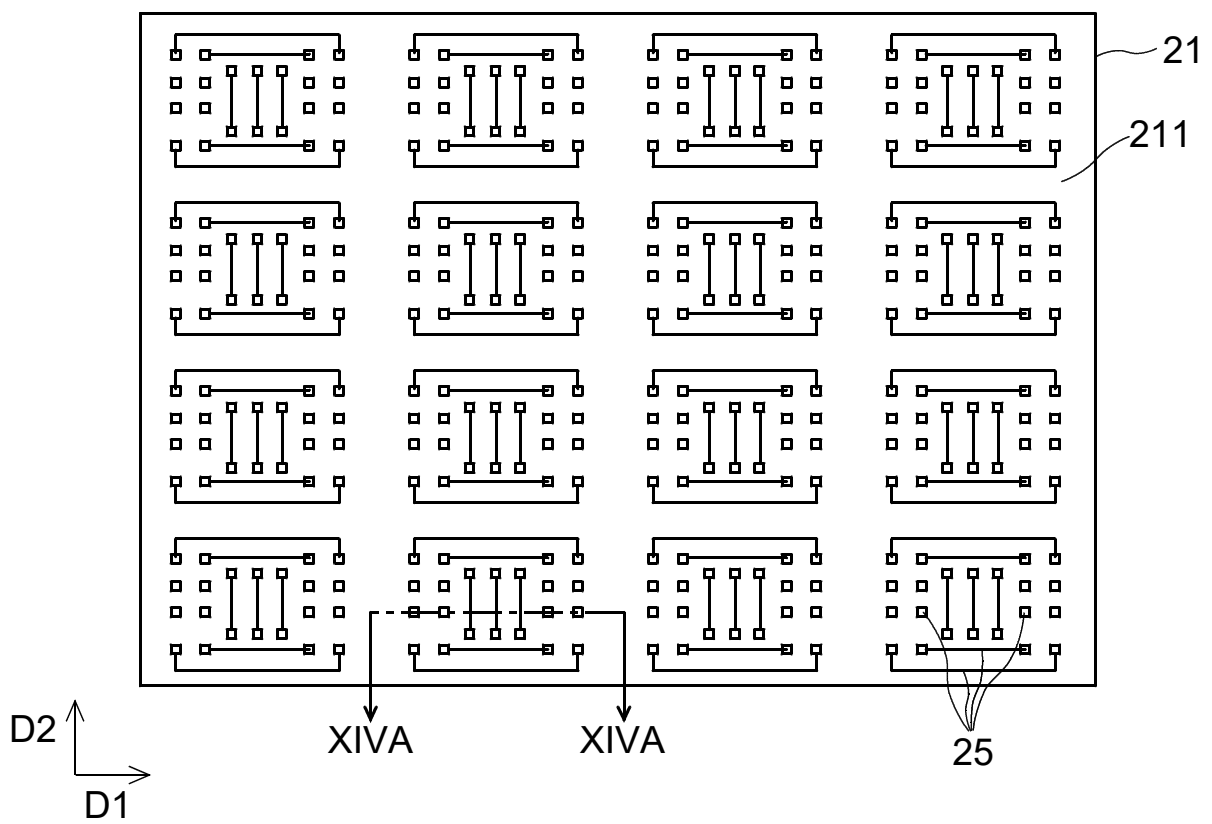


FIG. 14B

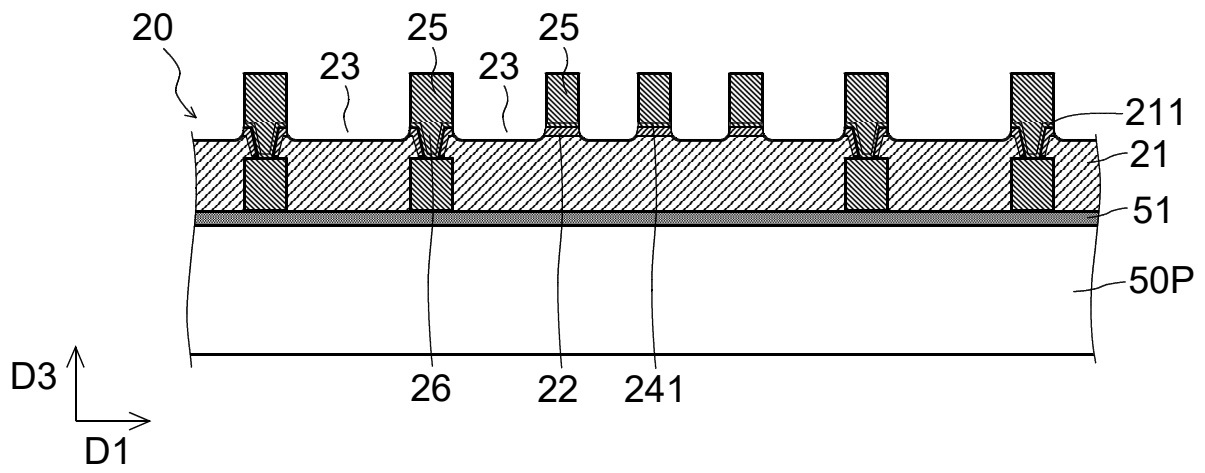


FIG. 15

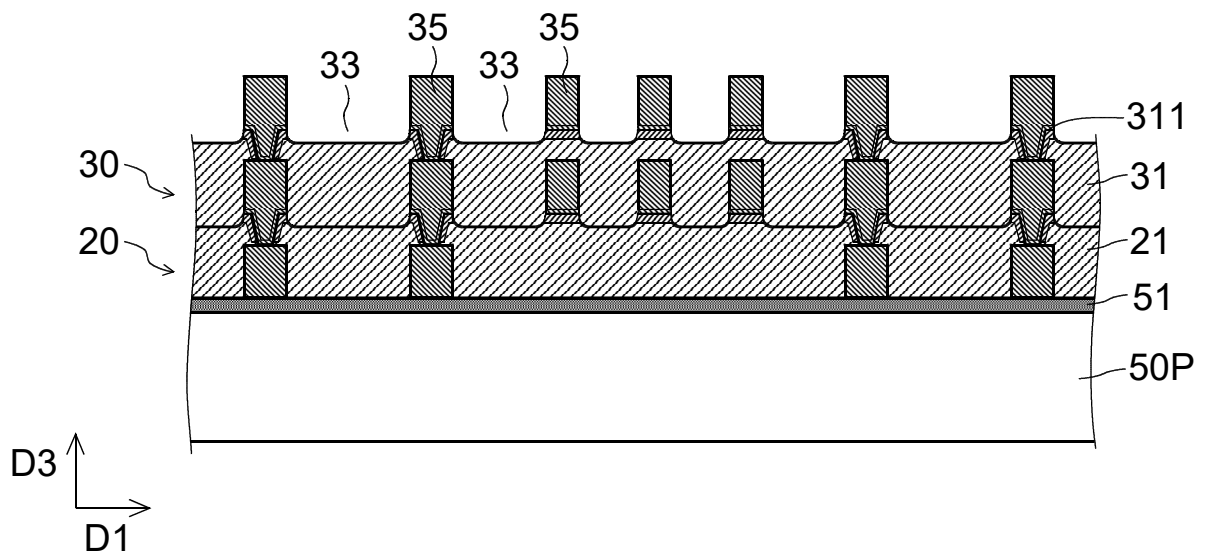
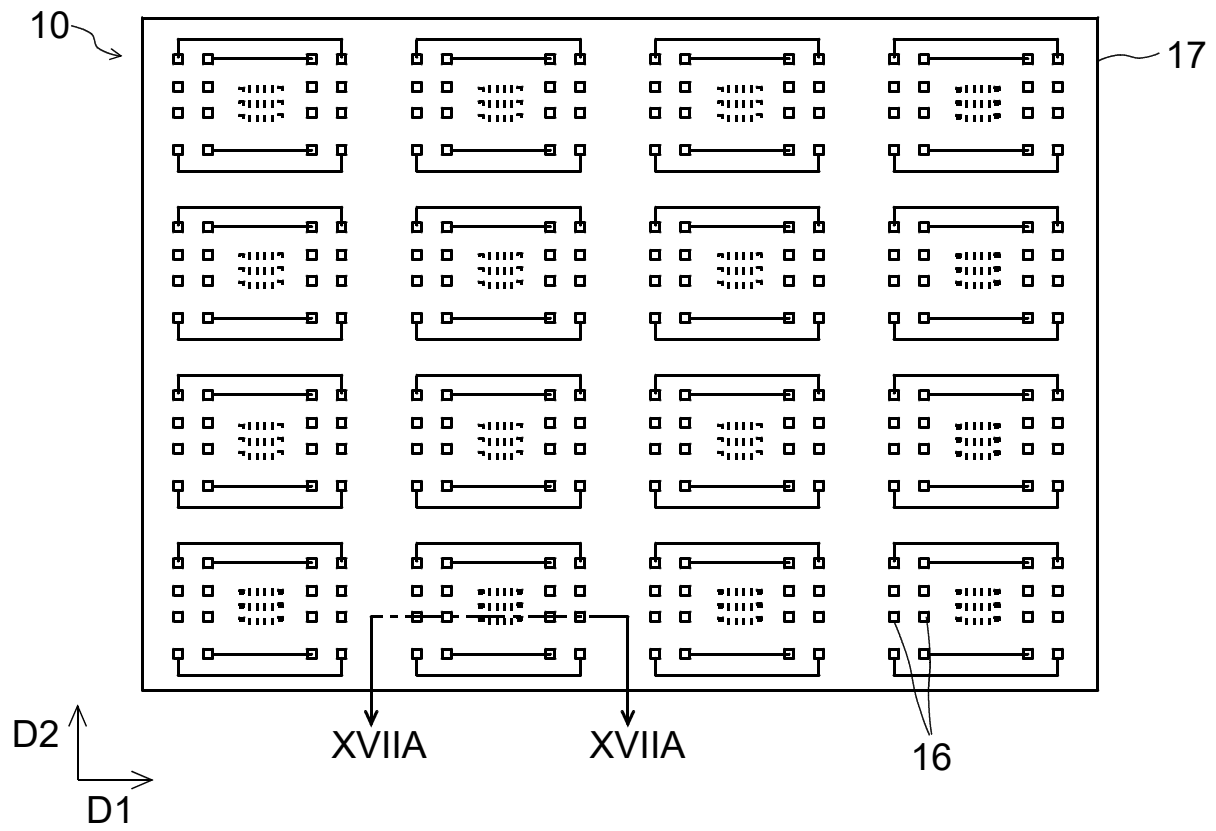


FIG. 16



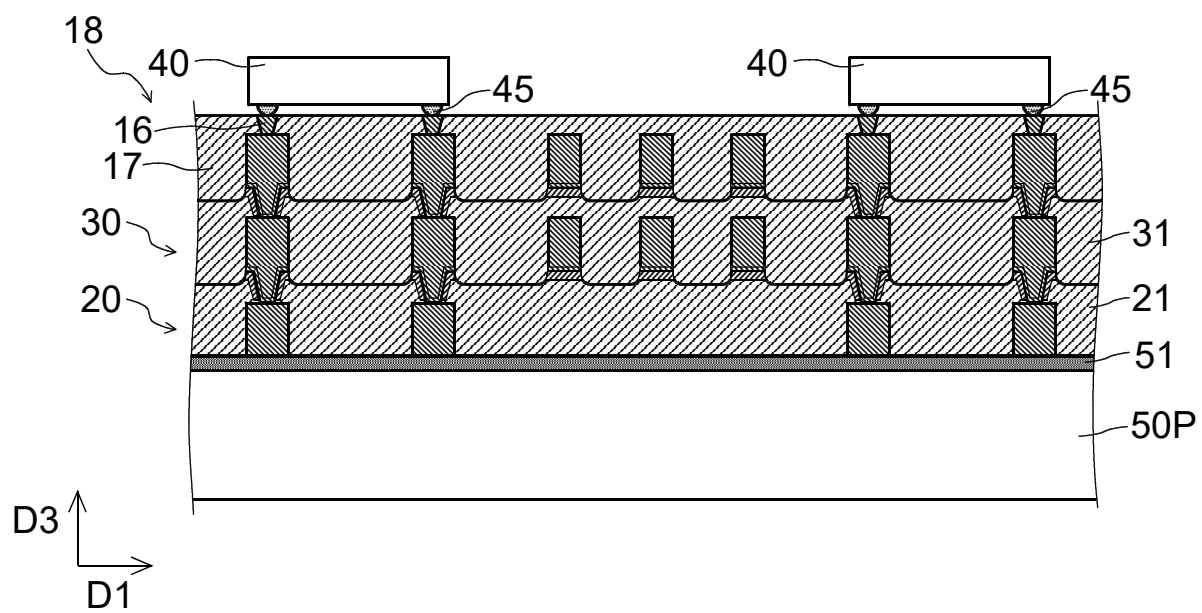


FIG. 18A

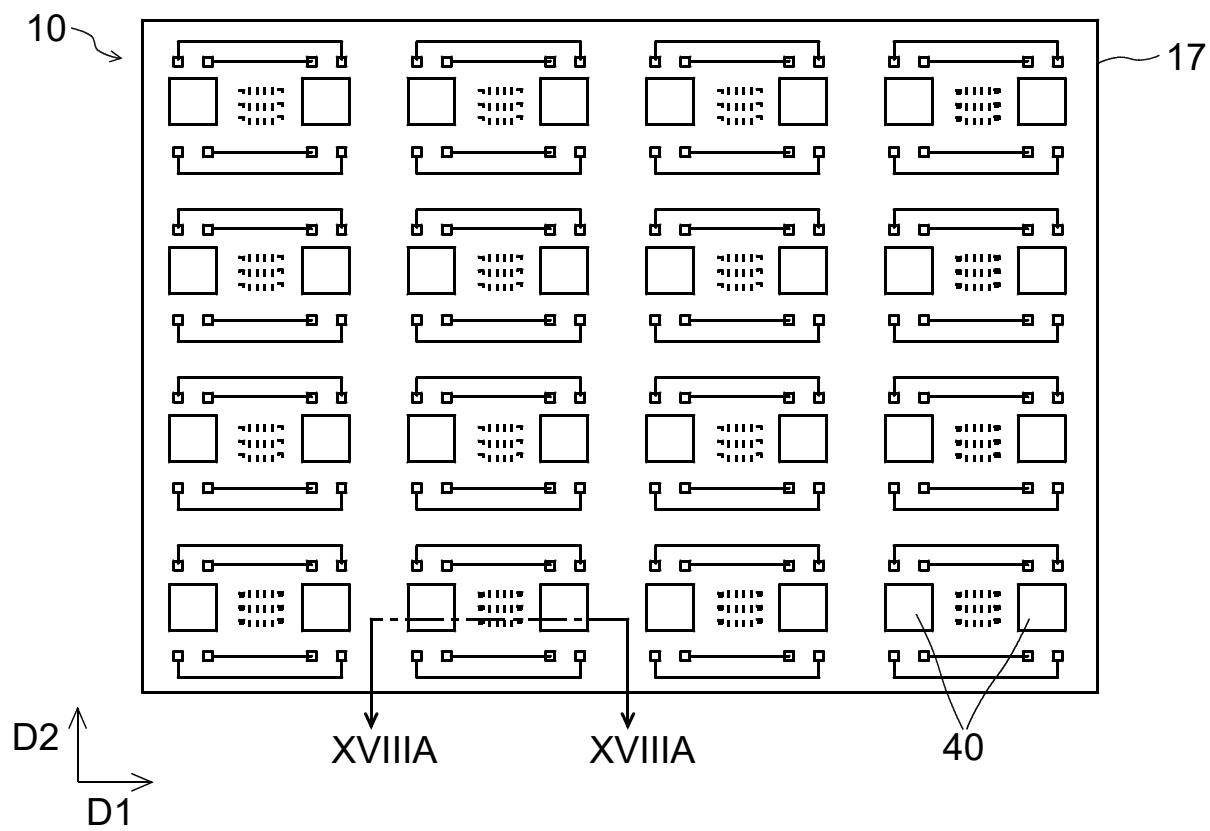


FIG. 18B

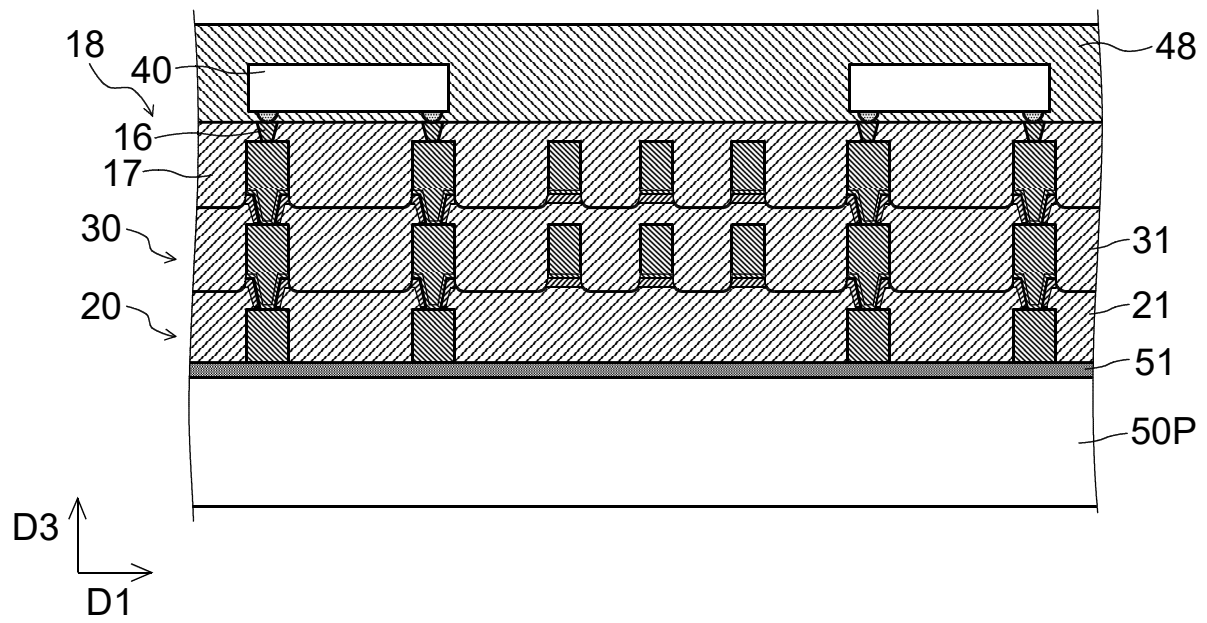


FIG. 19

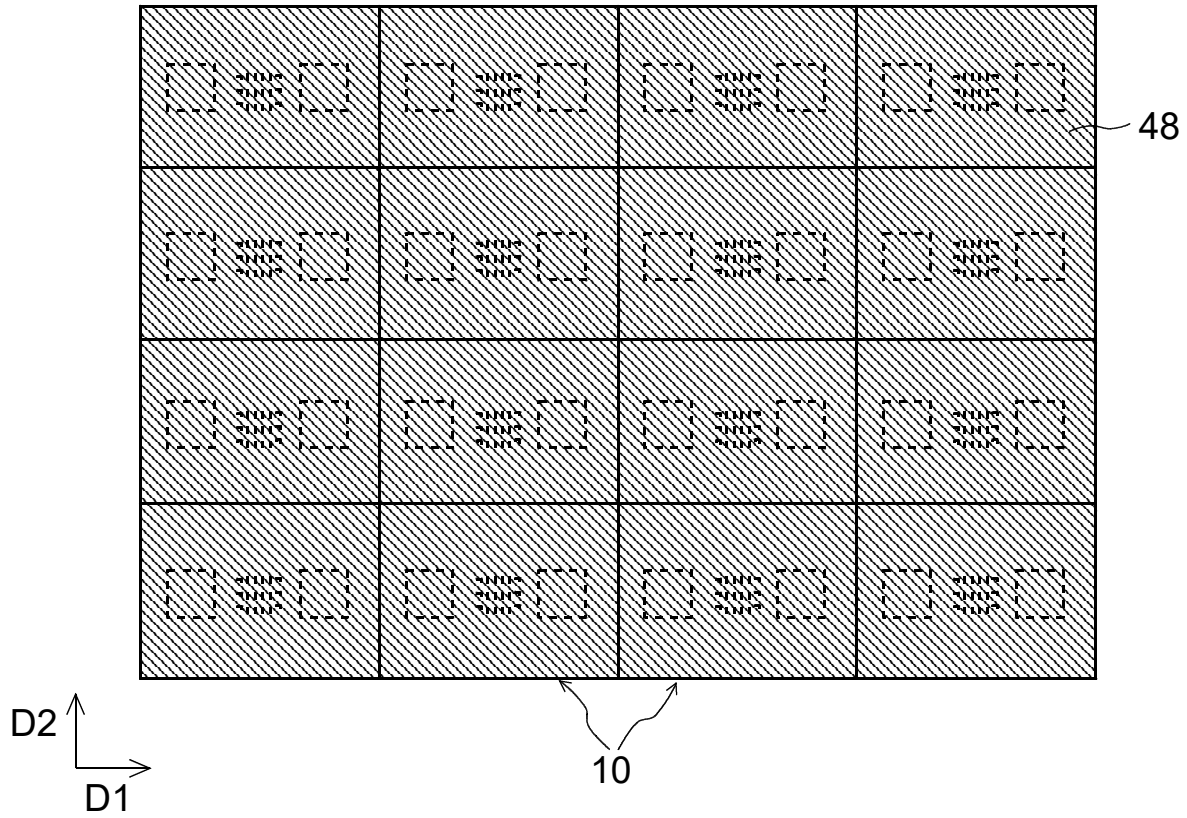


FIG. 20

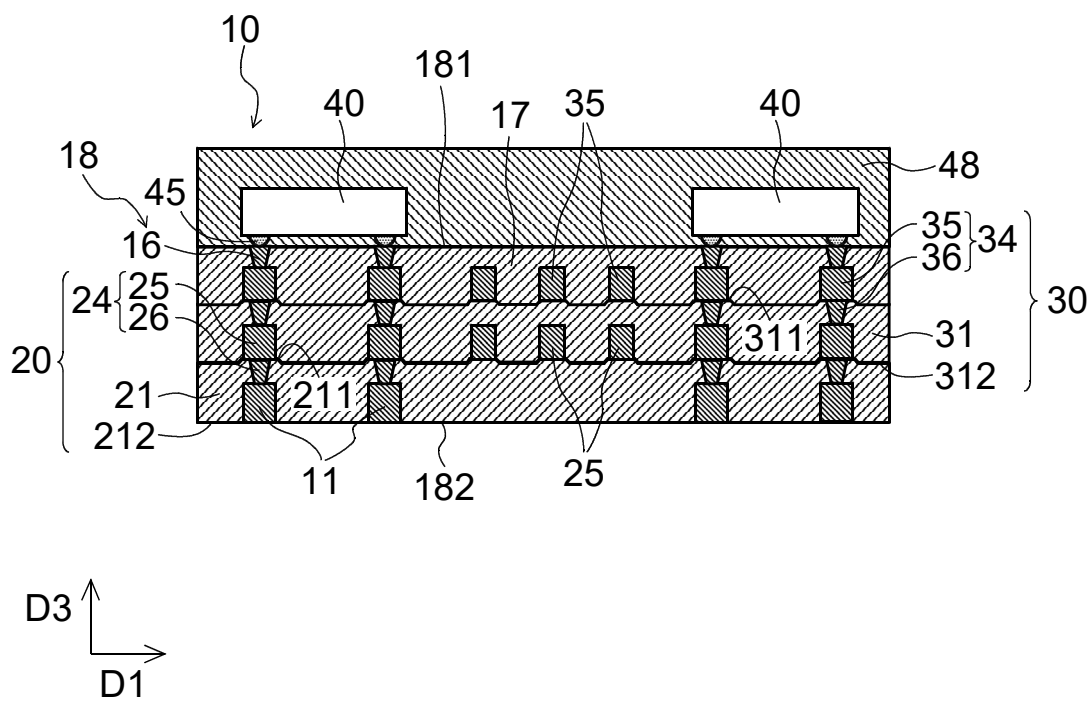


FIG. 21

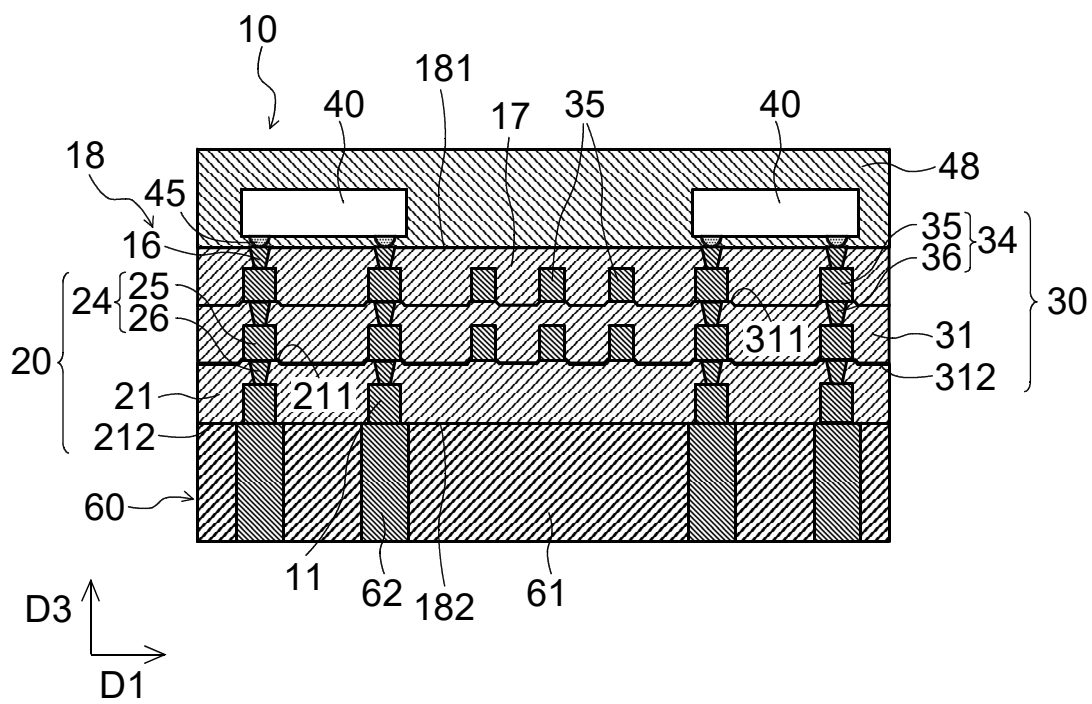


FIG. 22

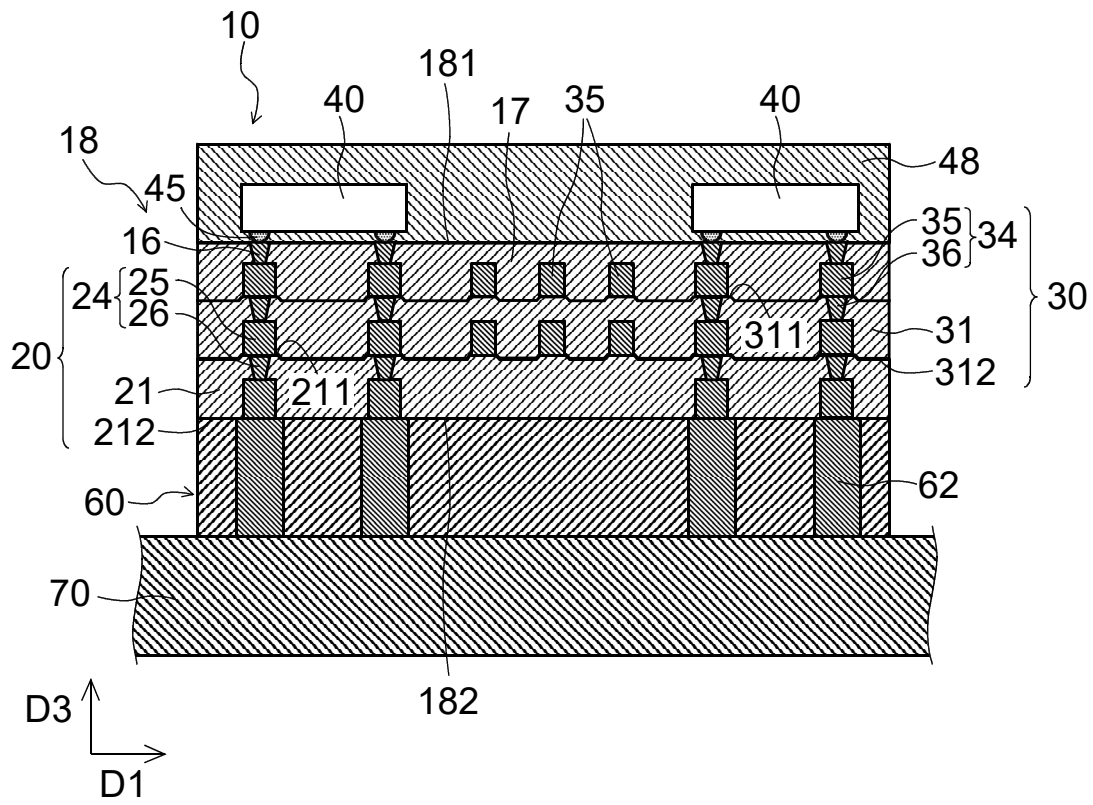


FIG. 23

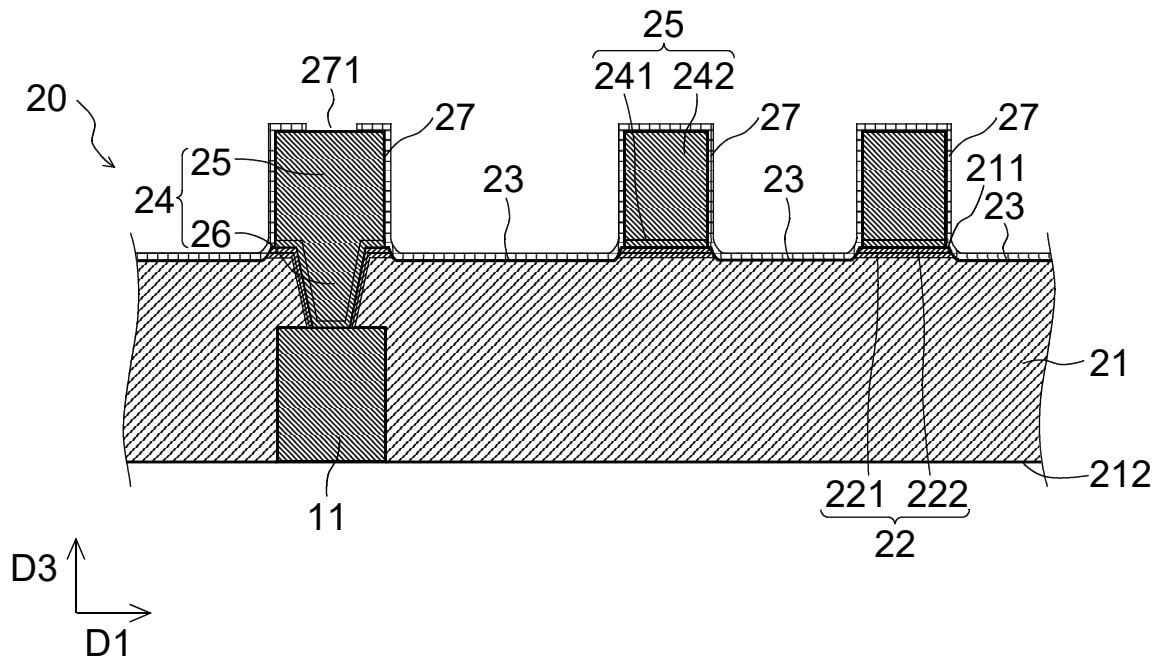


FIG. 24A

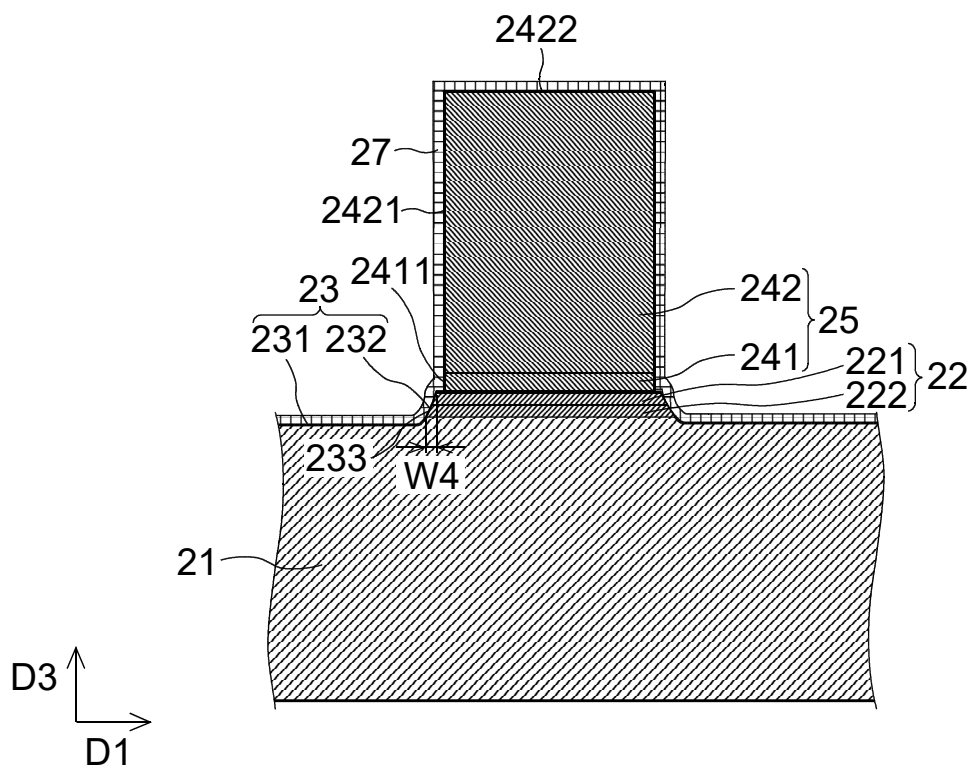


FIG. 24B





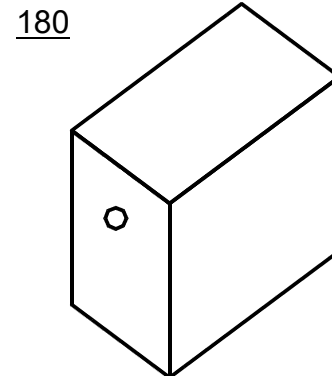
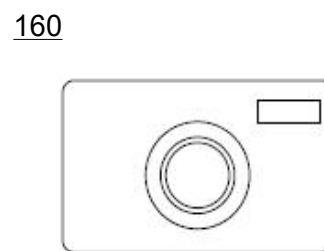
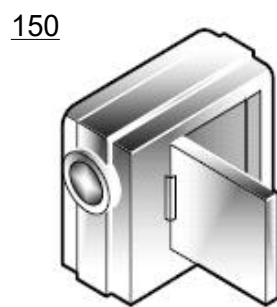
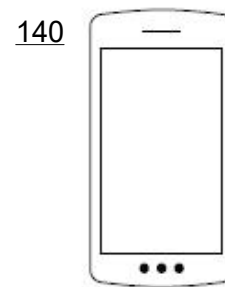
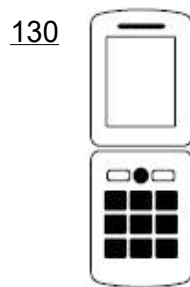
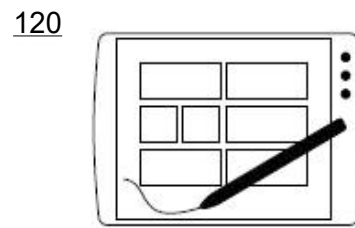
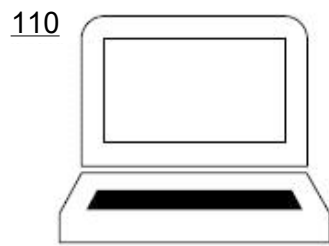


FIG. 27



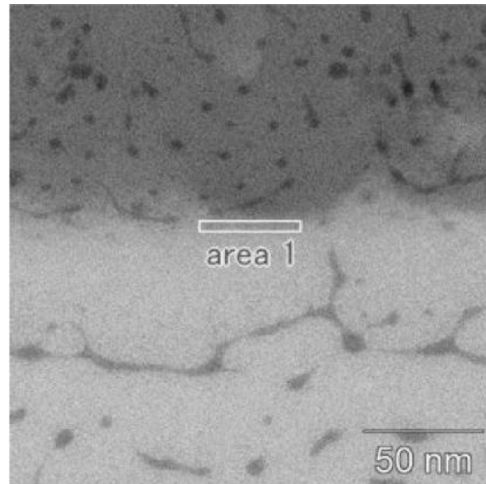
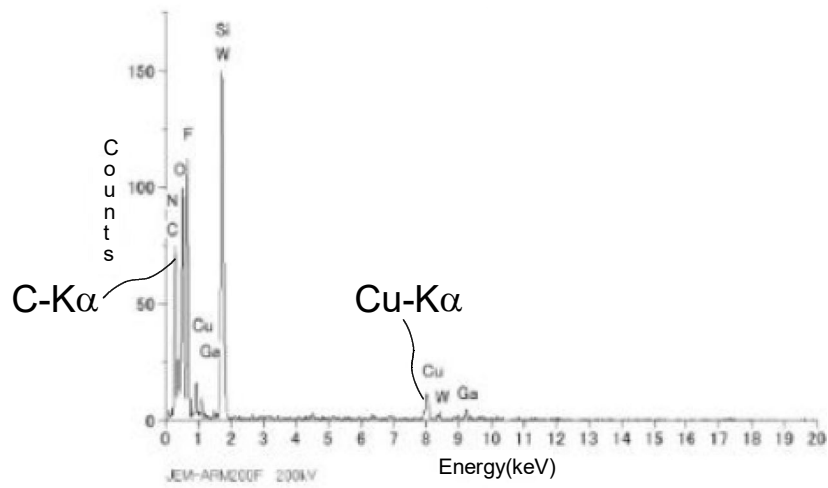


FIG. 29



area 1

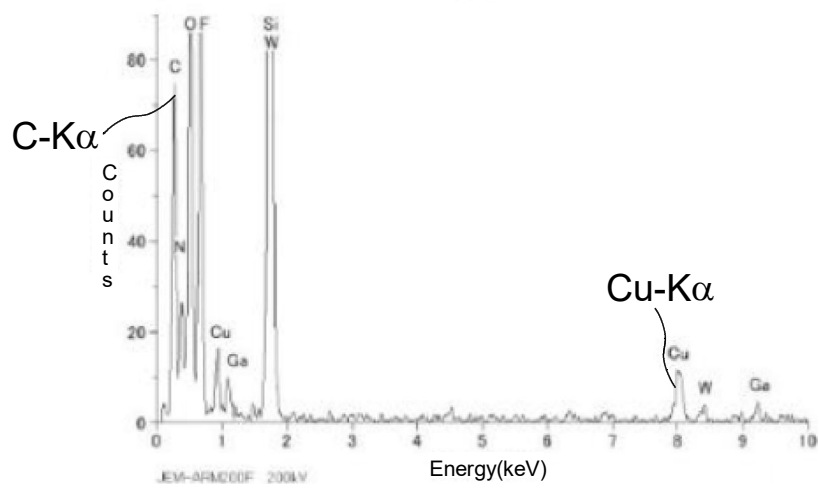


FIG. 30

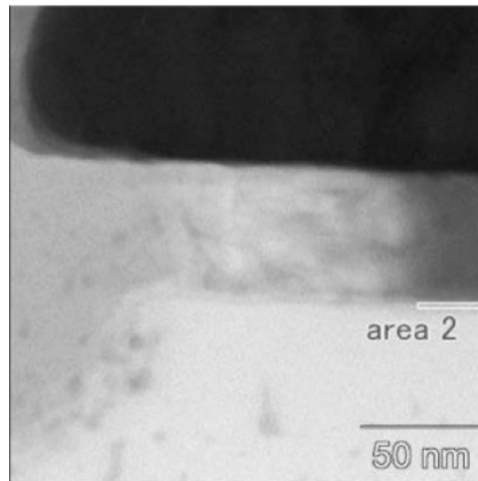


FIG. 31

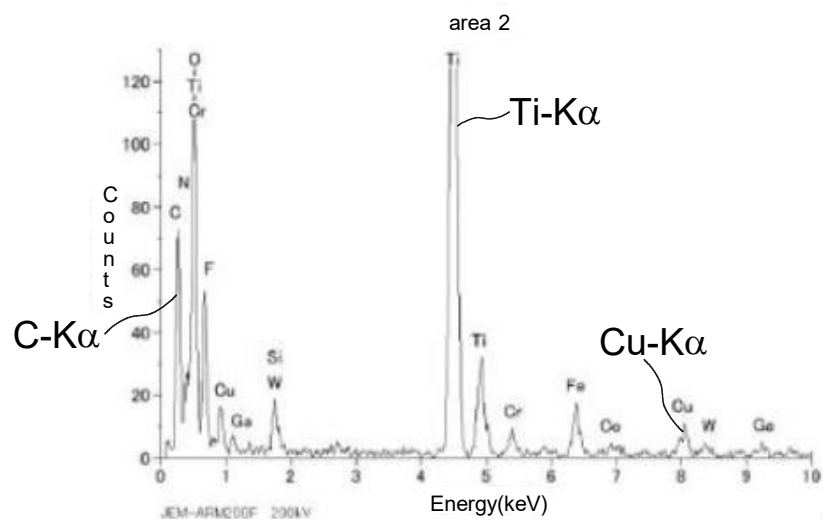
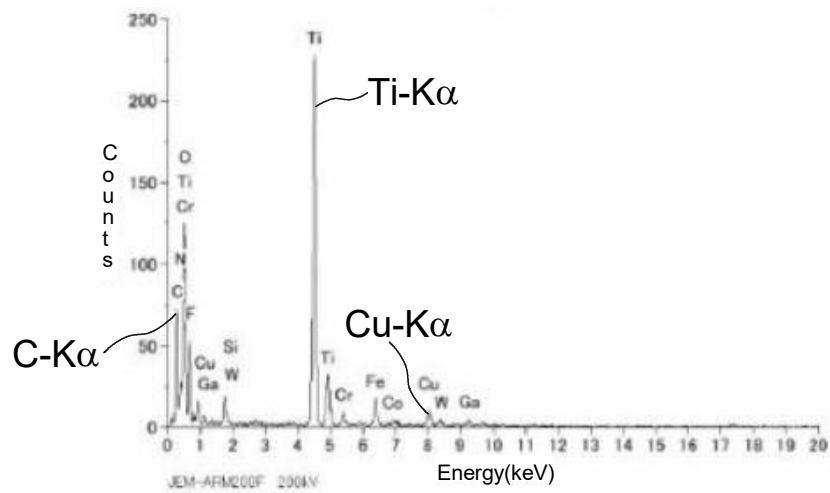


FIG. 32

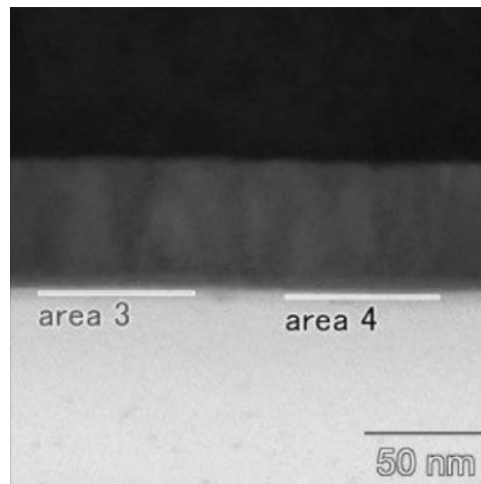


FIG. 33

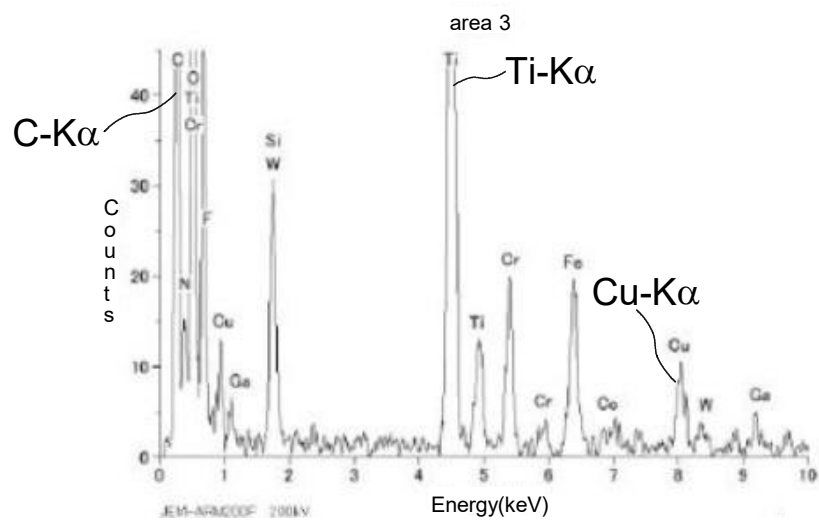
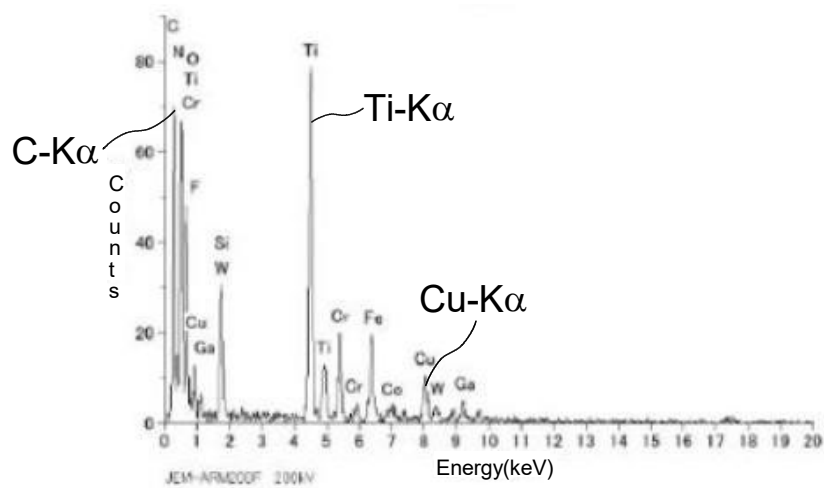


FIG. 34

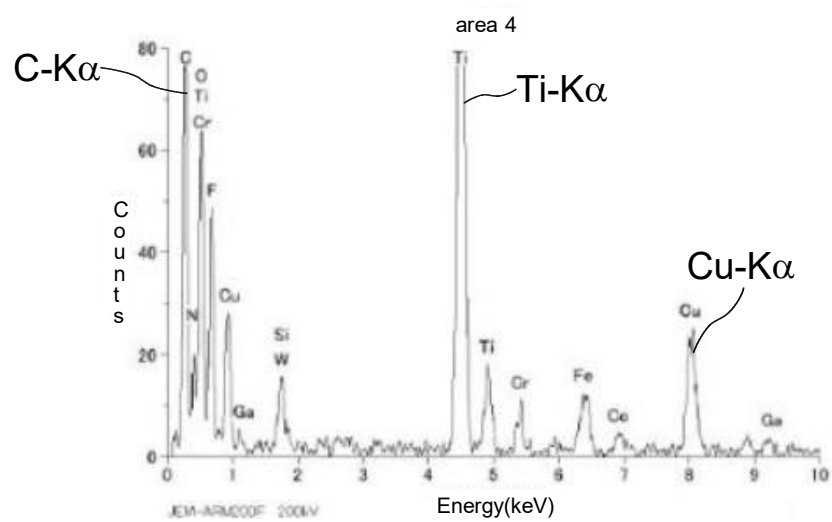
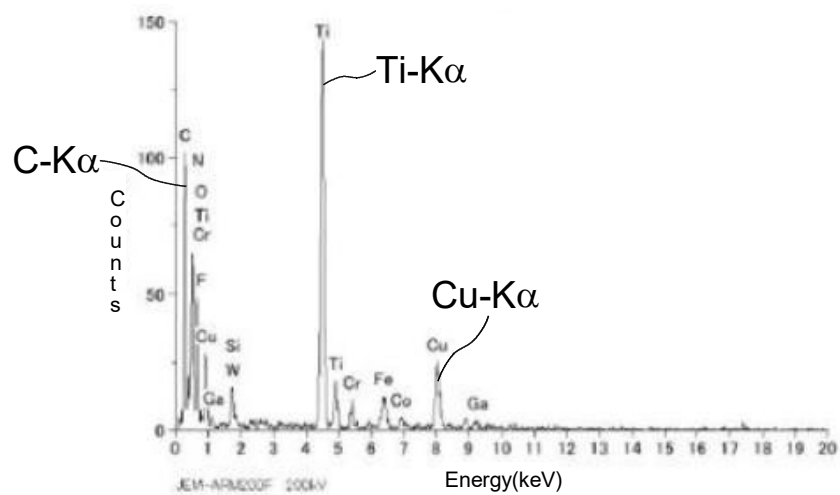


FIG. 35

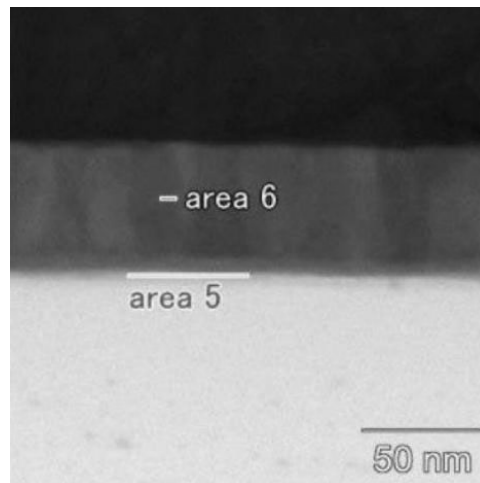


FIG. 36

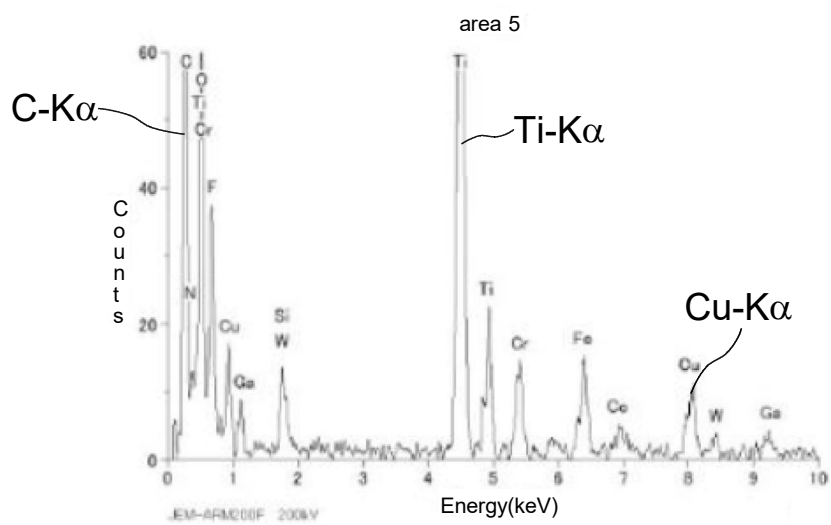
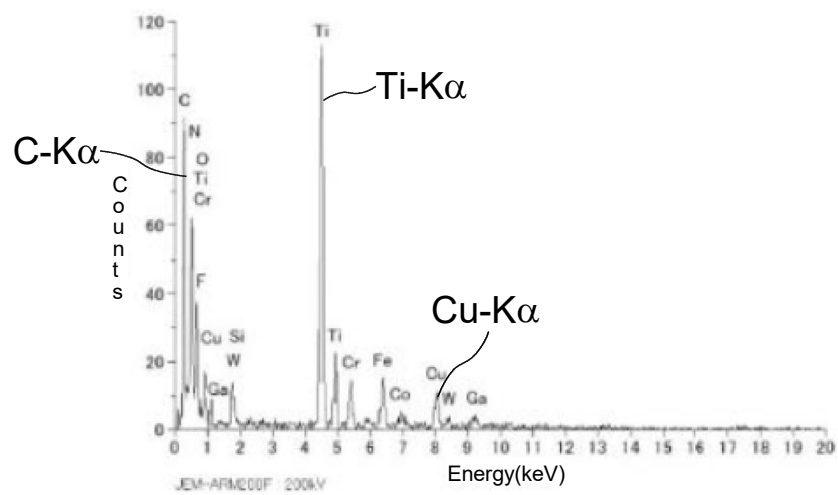


FIG. 37

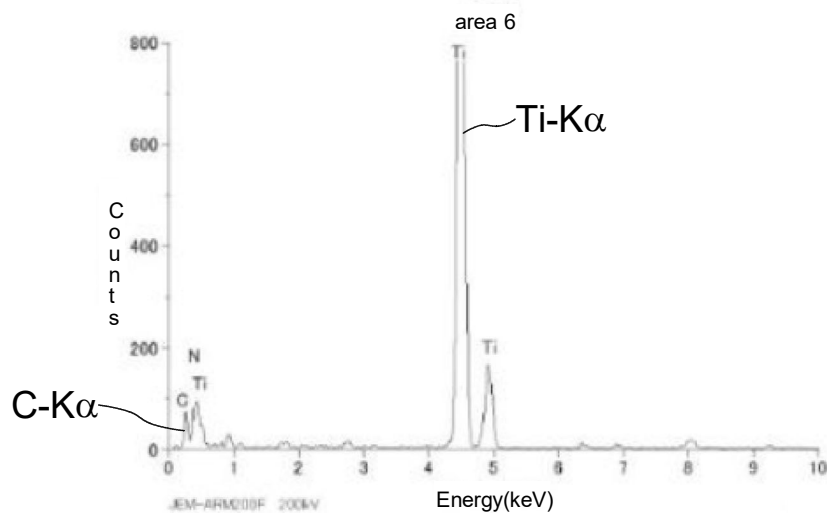
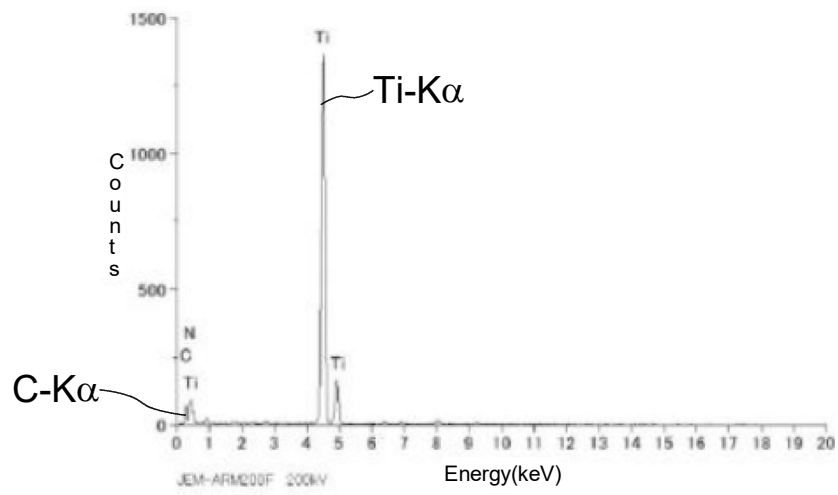


FIG. 38

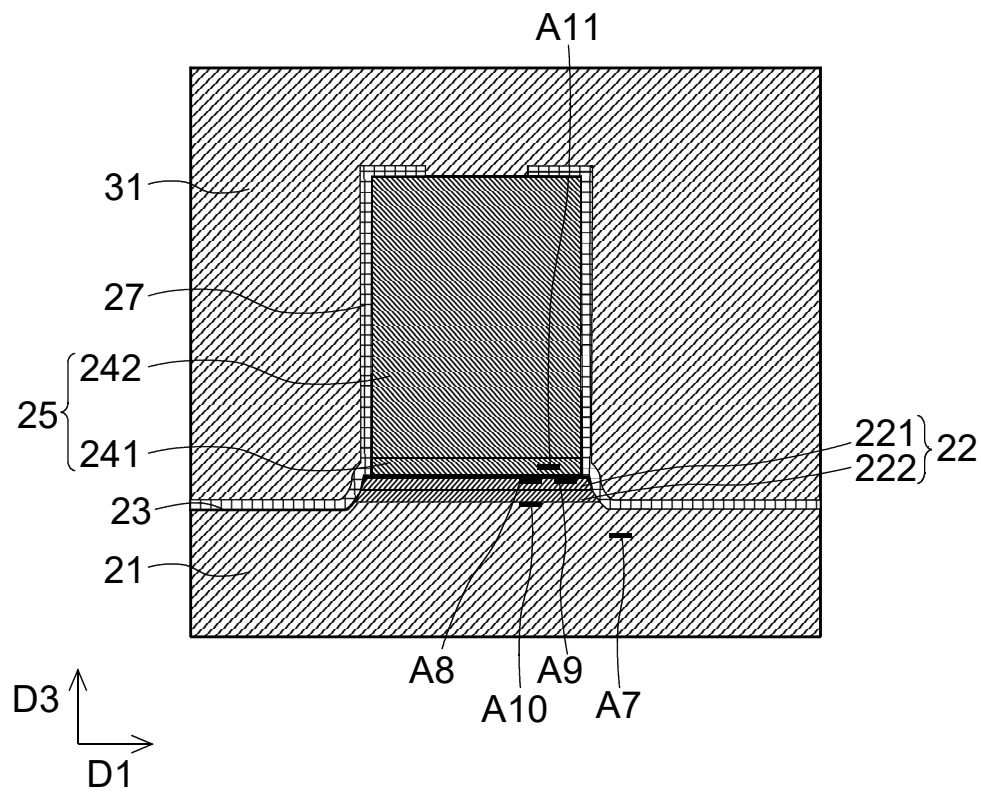


FIG. 39

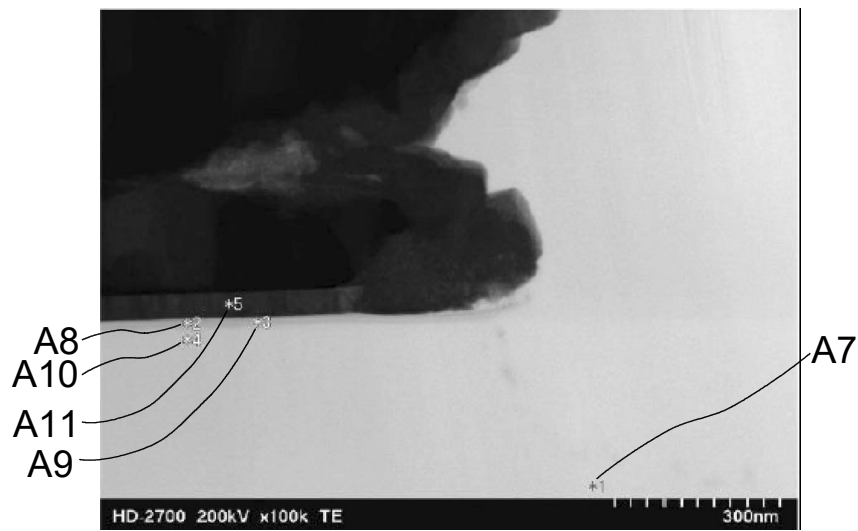
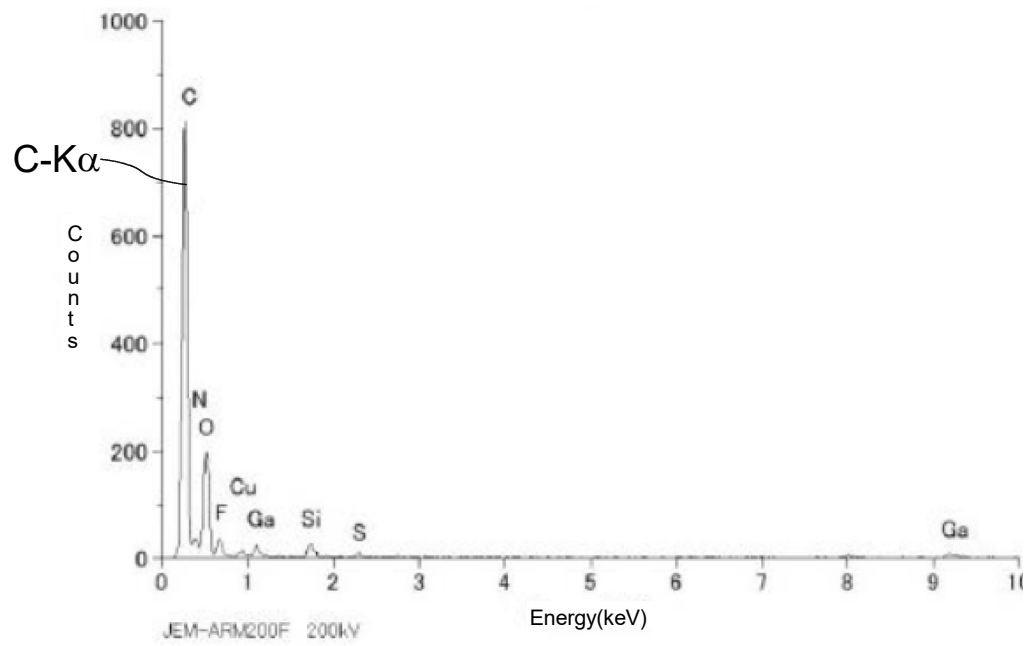


FIG. 40



point 1

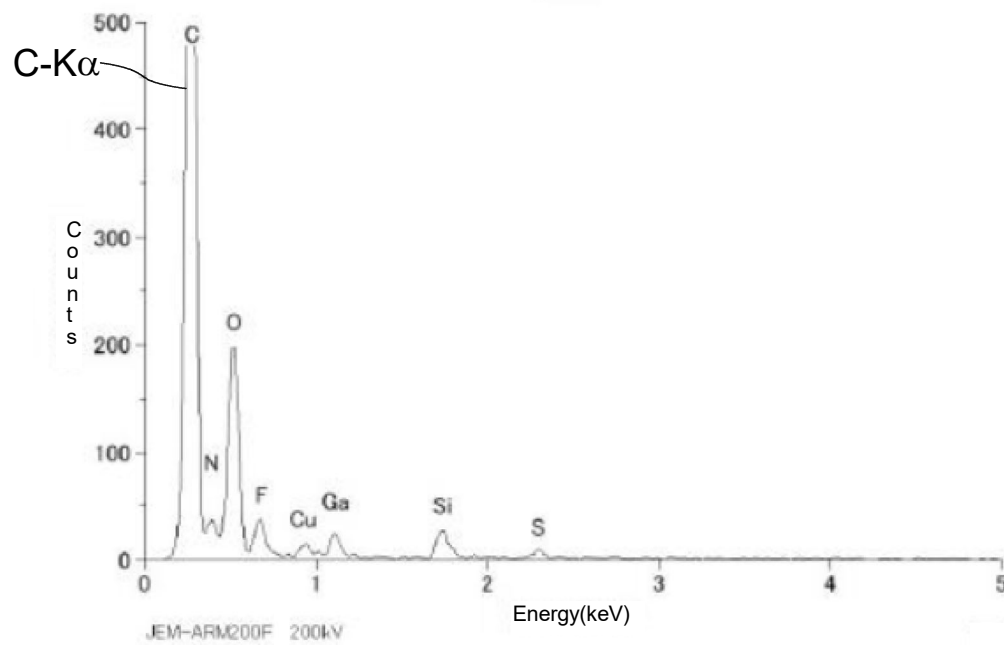
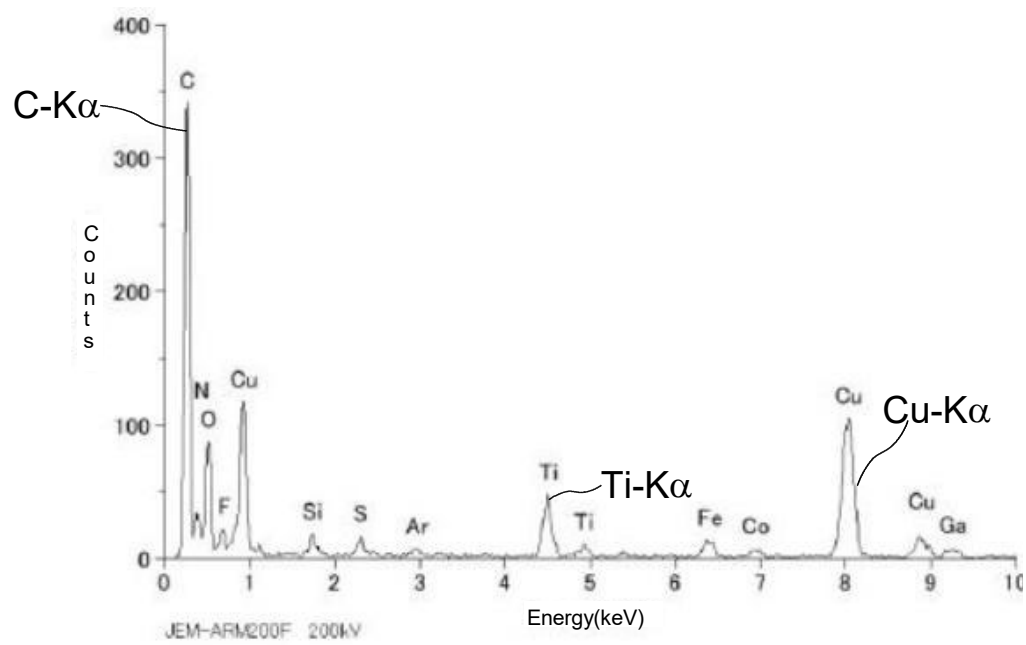


FIG. 41



point 2

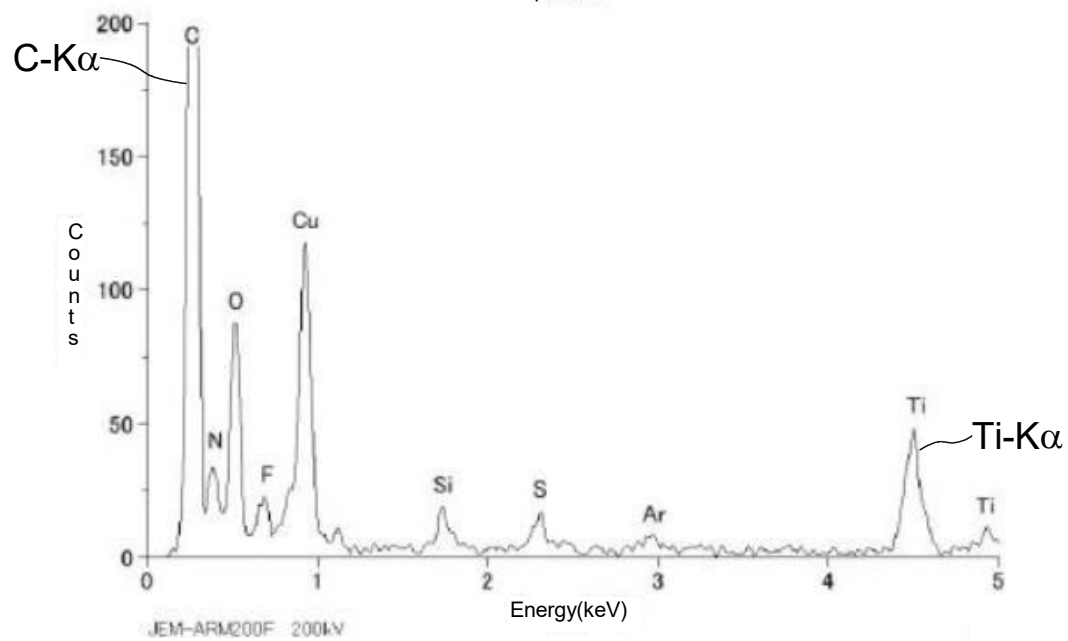
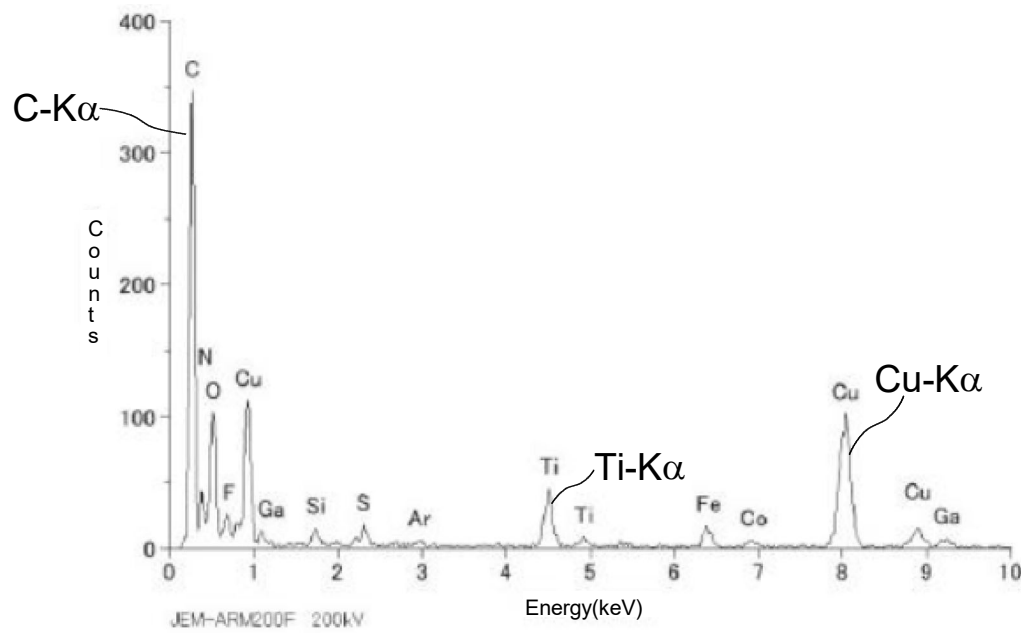


FIG. 42



point 3

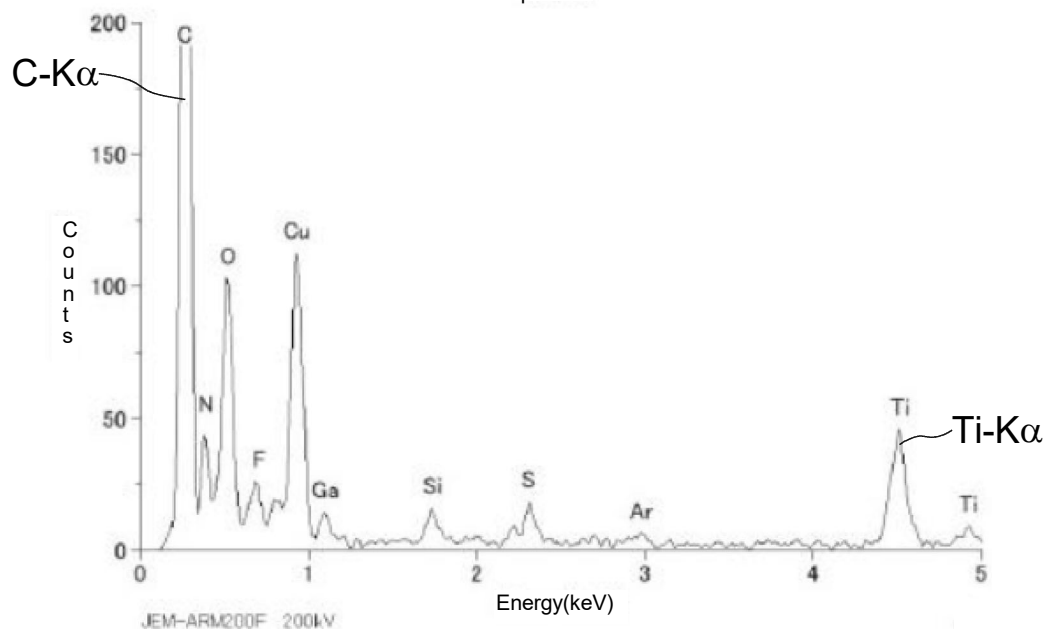
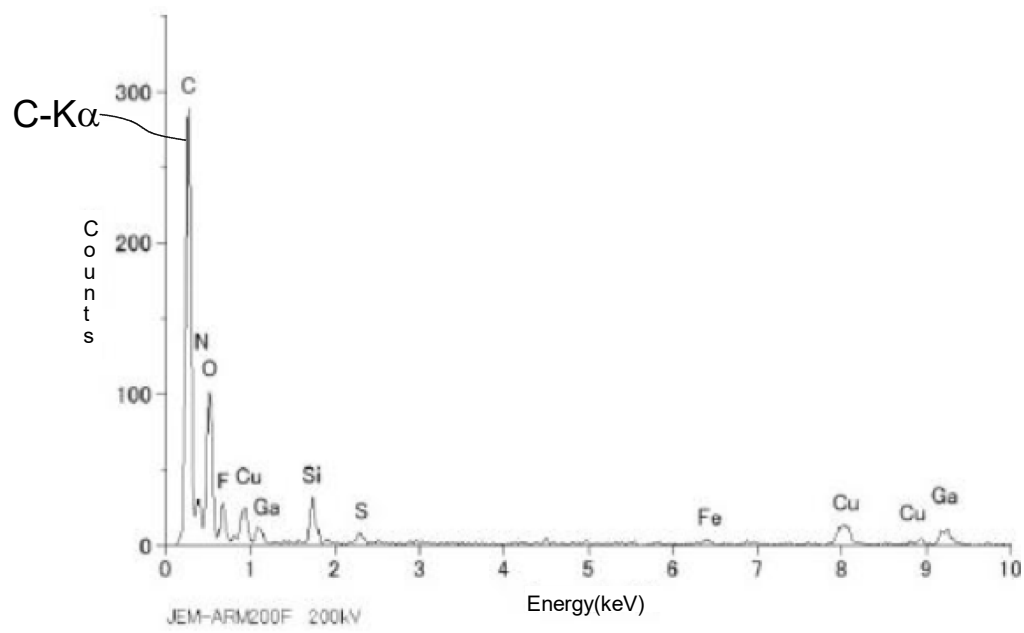


FIG. 43



point 4

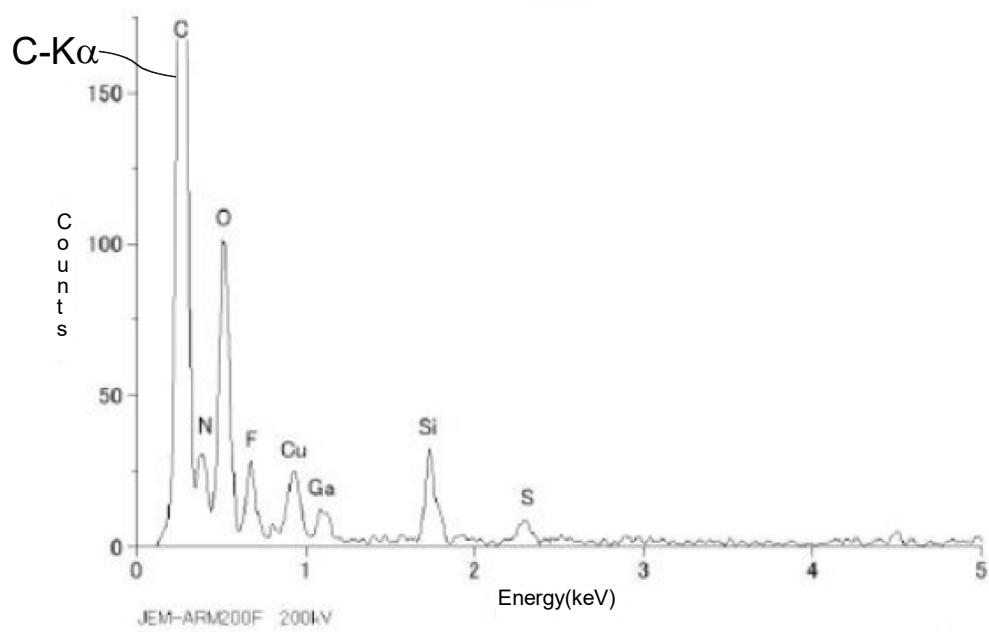
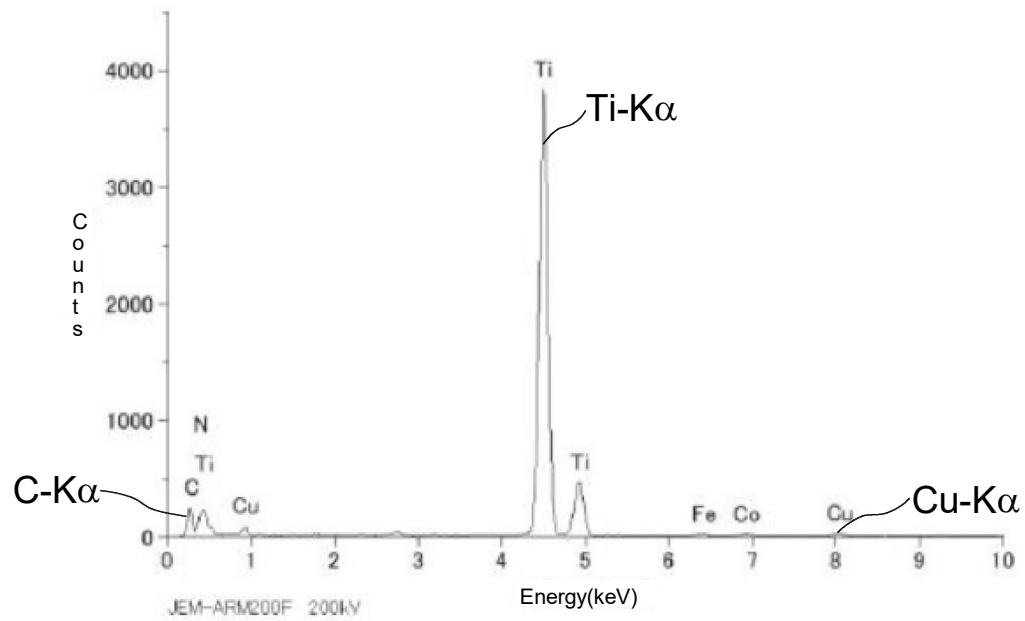


FIG. 44



point 5

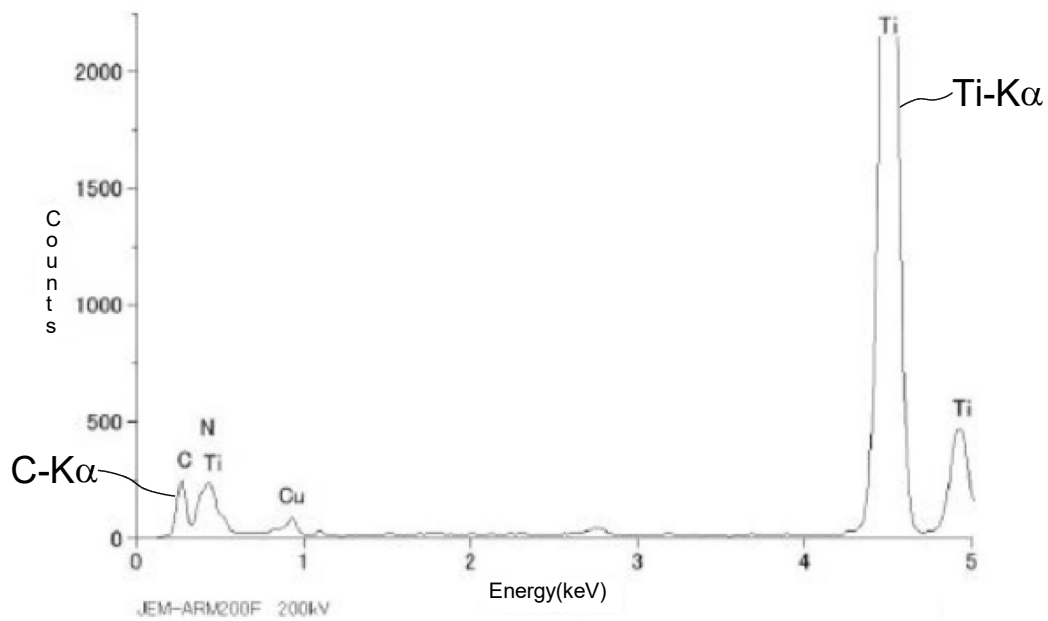
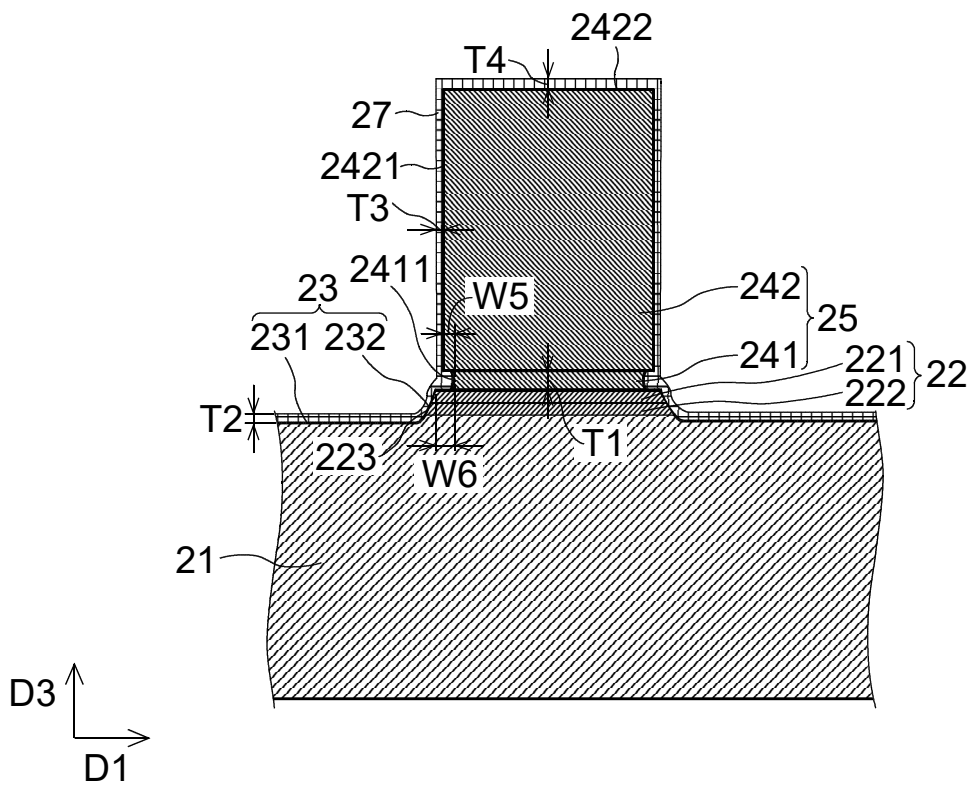


FIG. 45



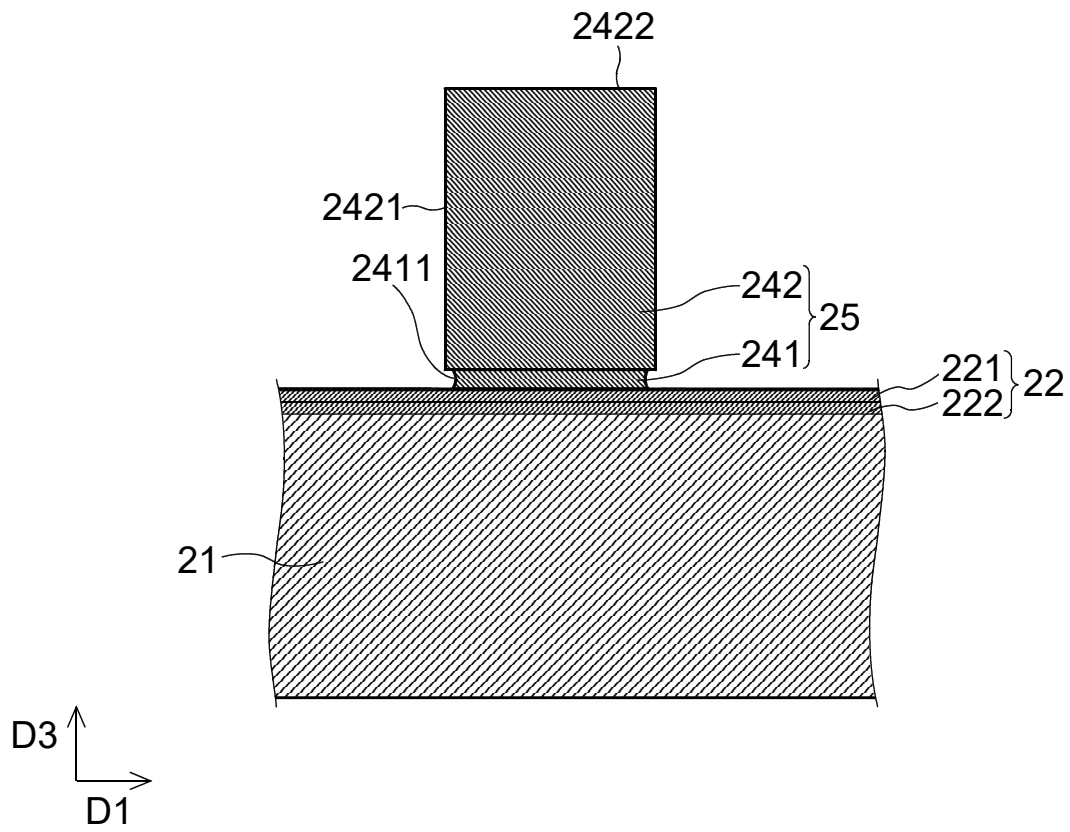


FIG. 48

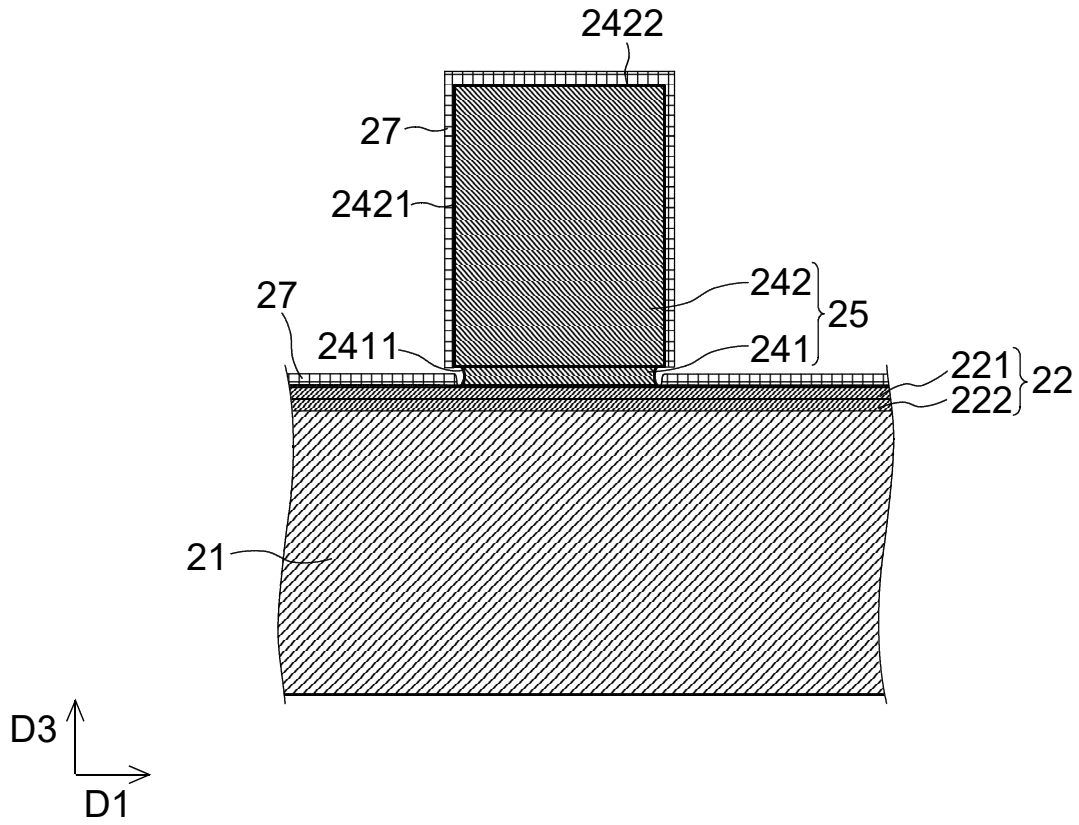


FIG. 49

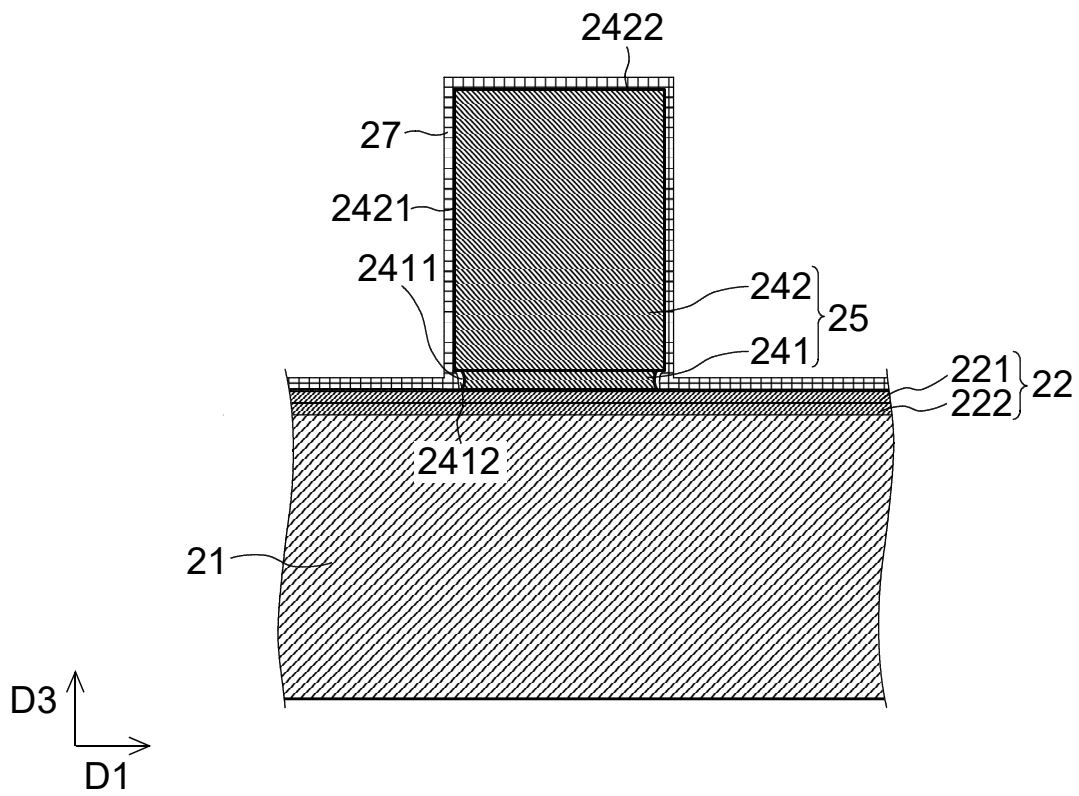
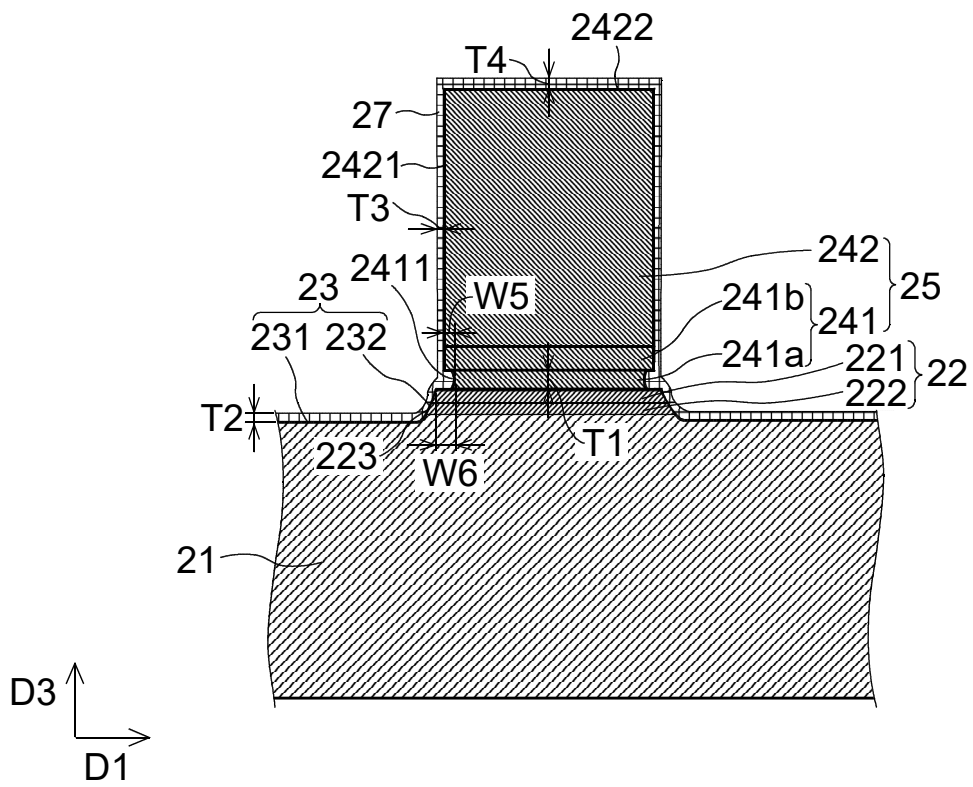


FIG. 50



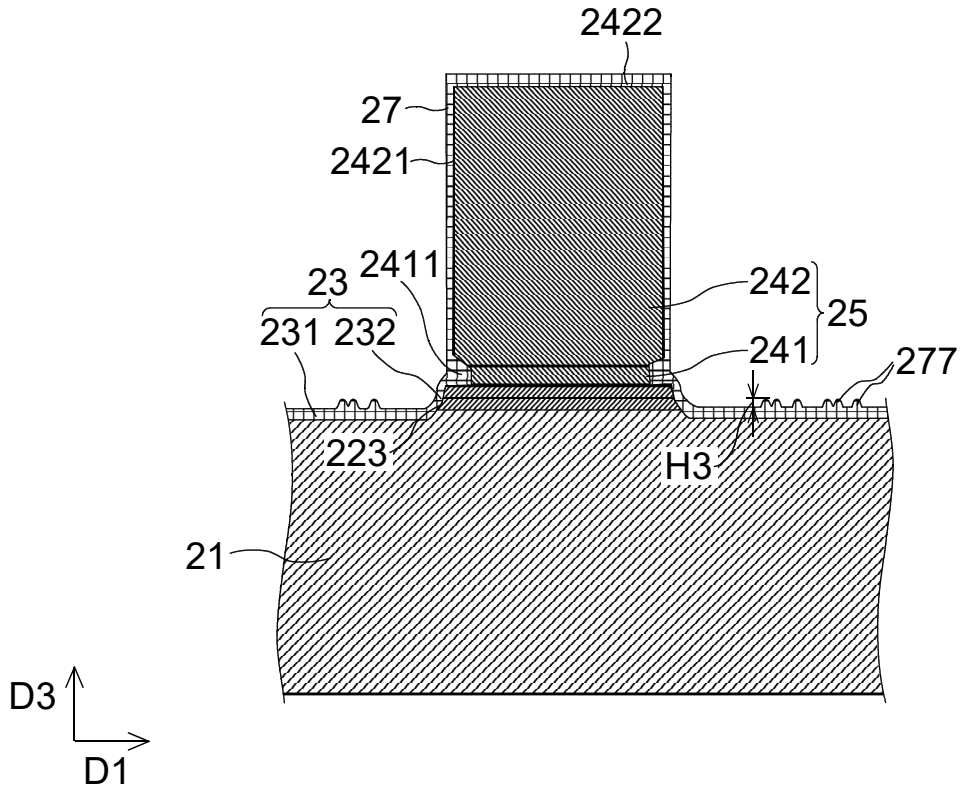


FIG. 53

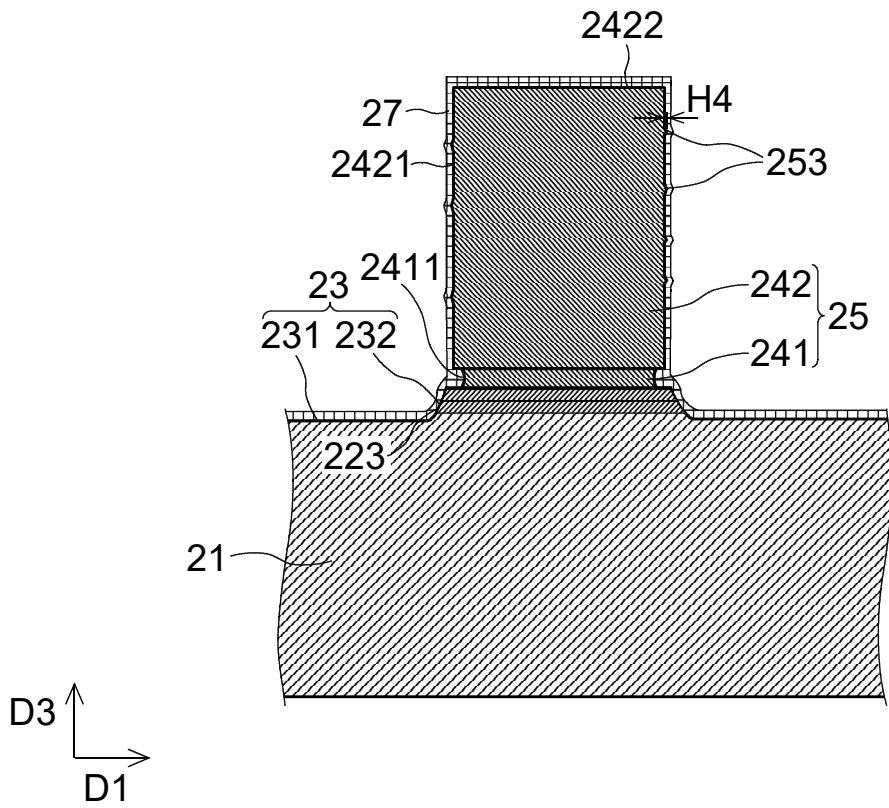


FIG. 54

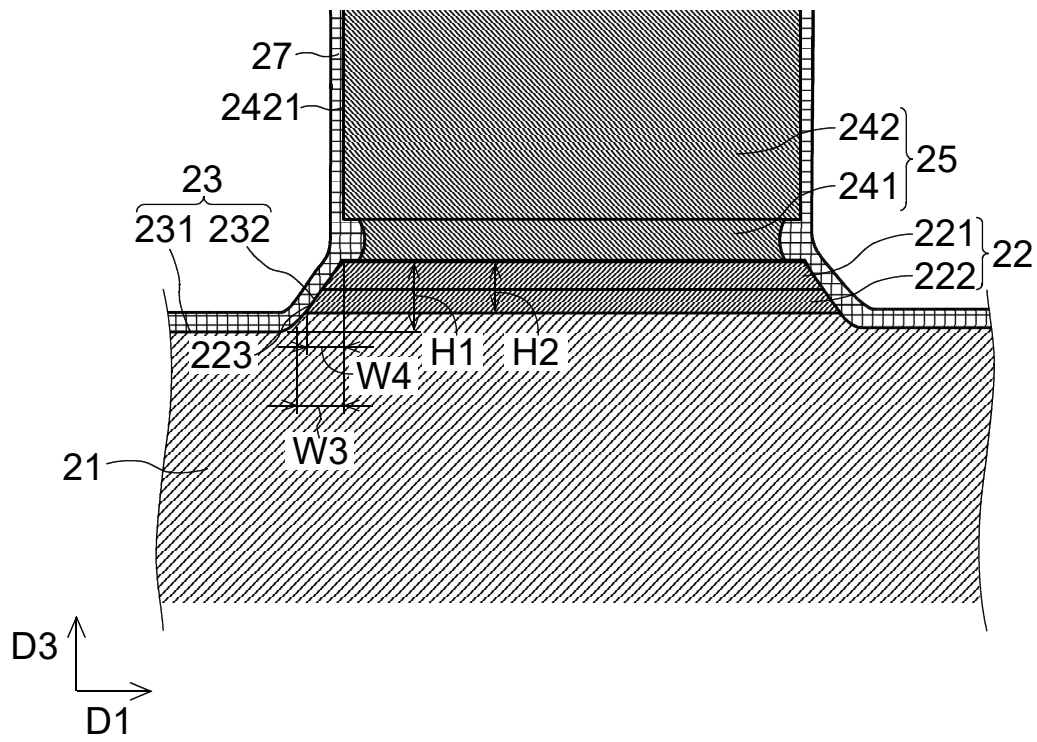


FIG. 55

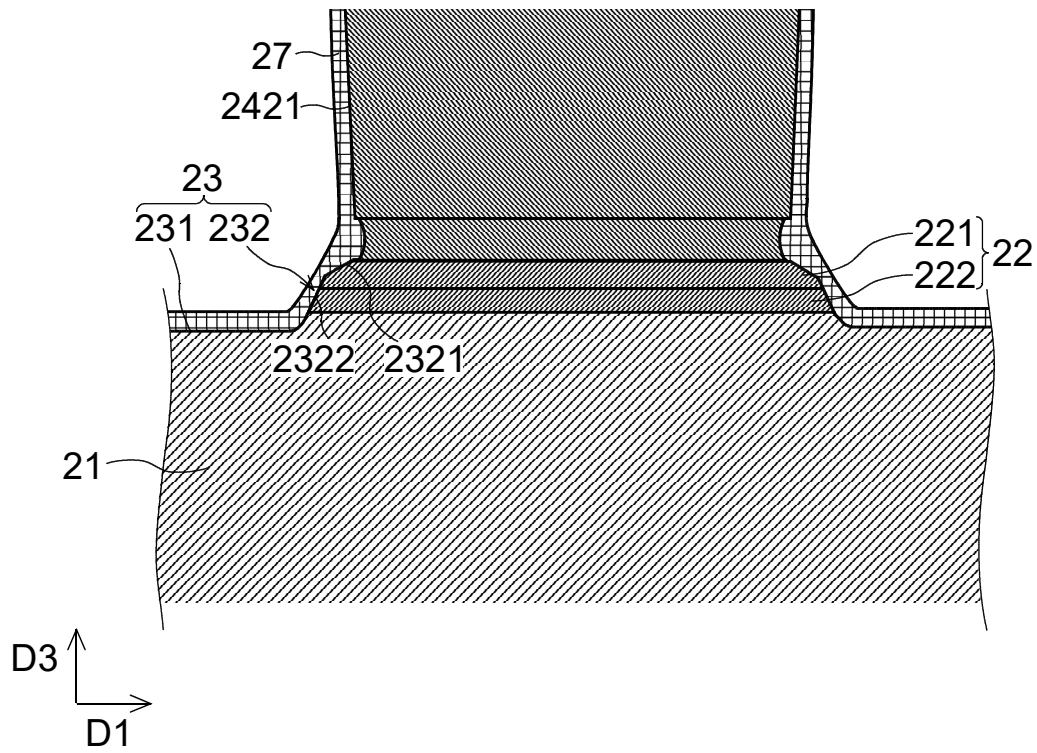


FIG. 56

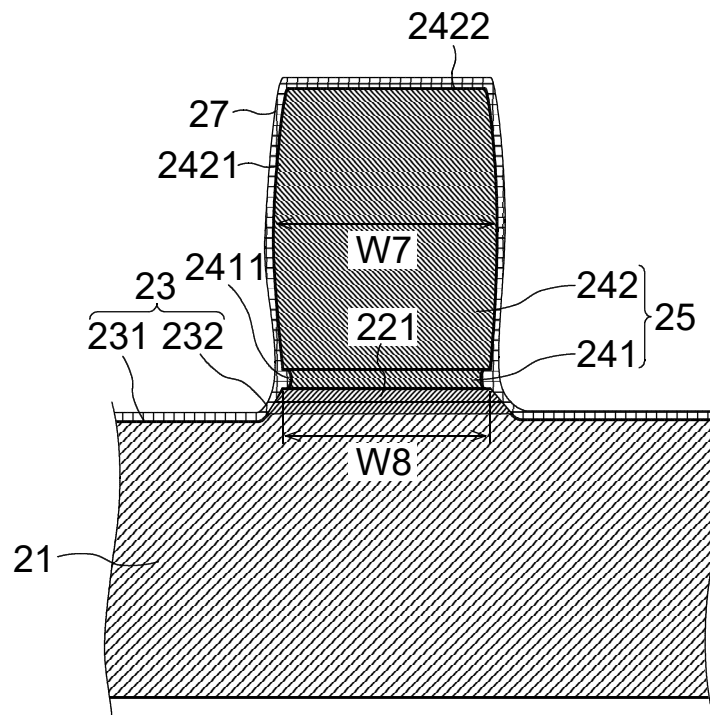


FIG. 57

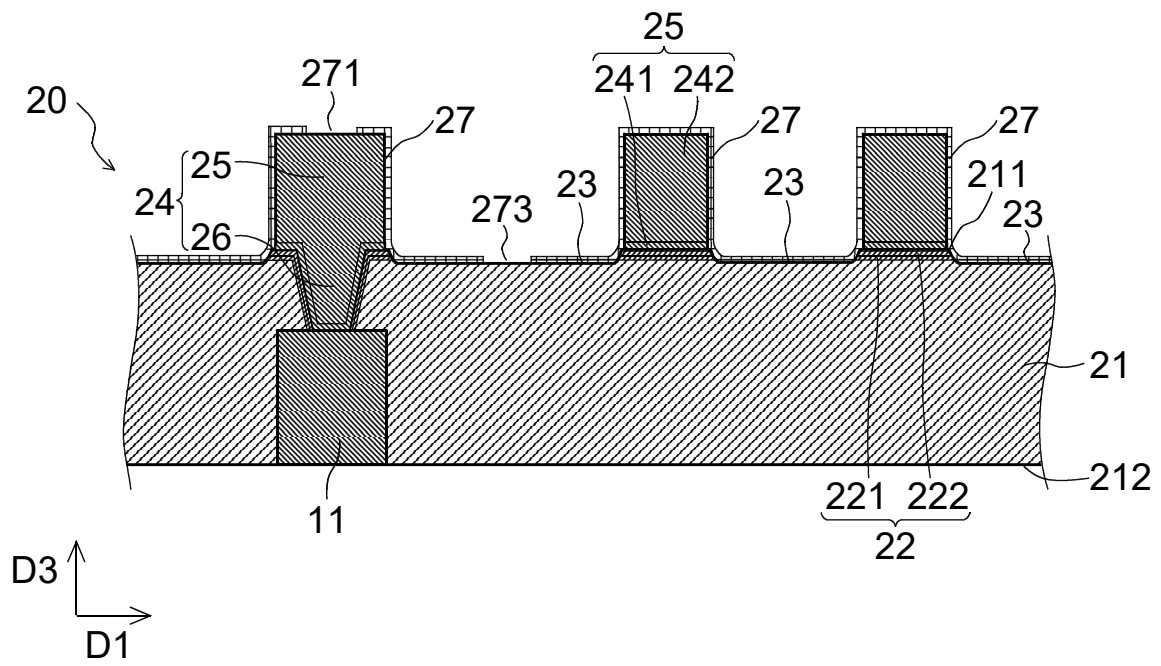


FIG. 58

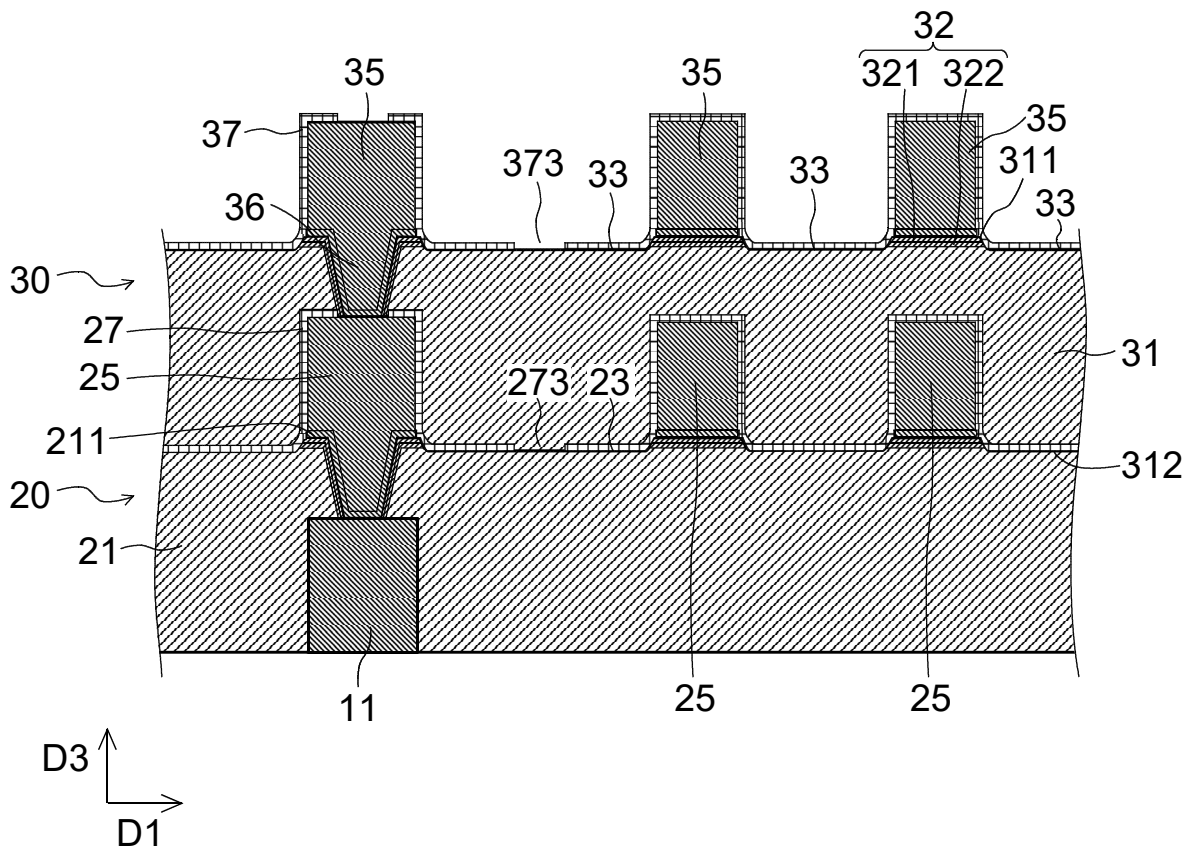


FIG. 59

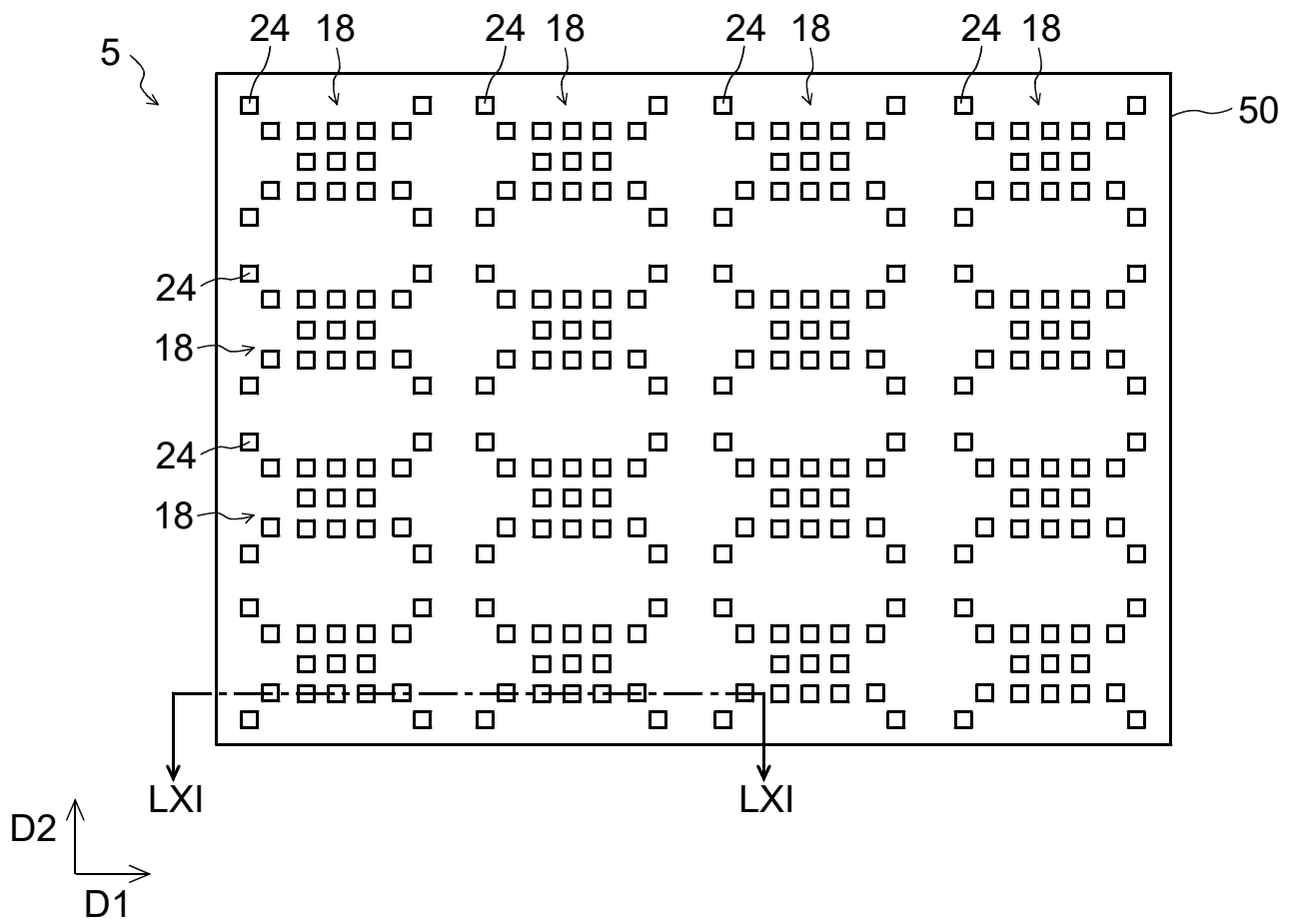


FIG. 60

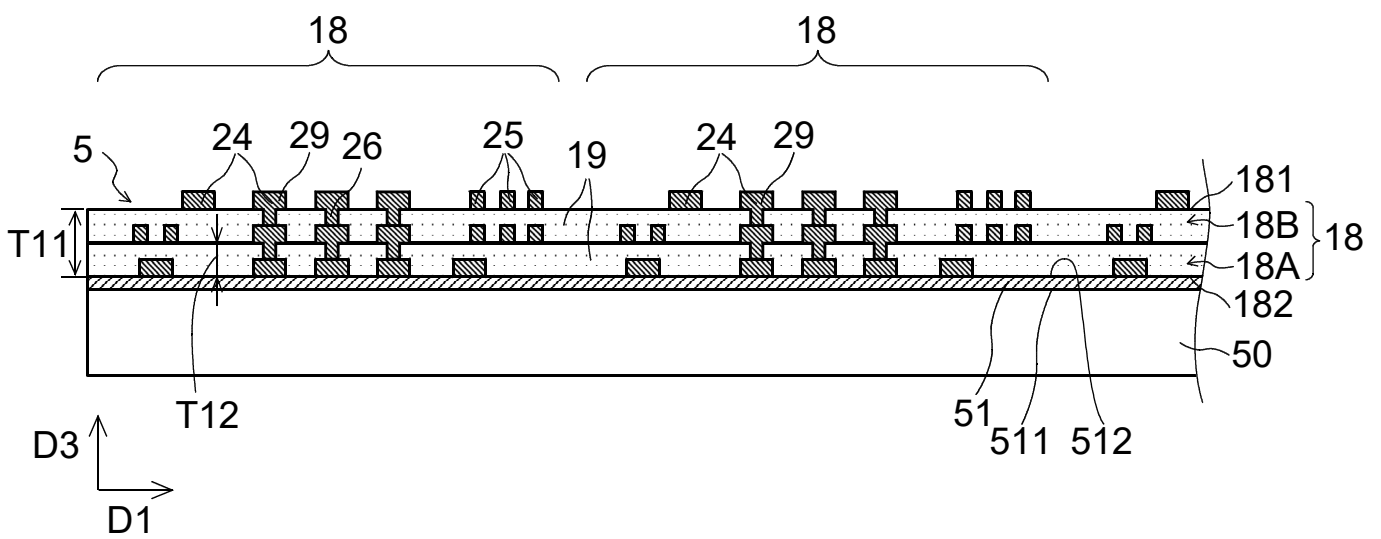


FIG. 61



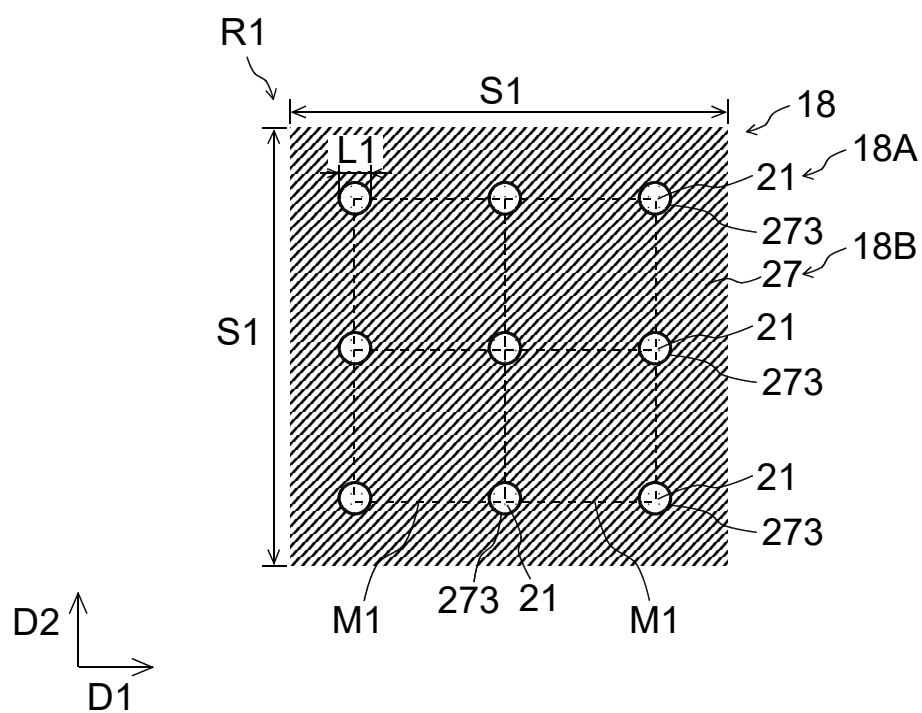


FIG. 64

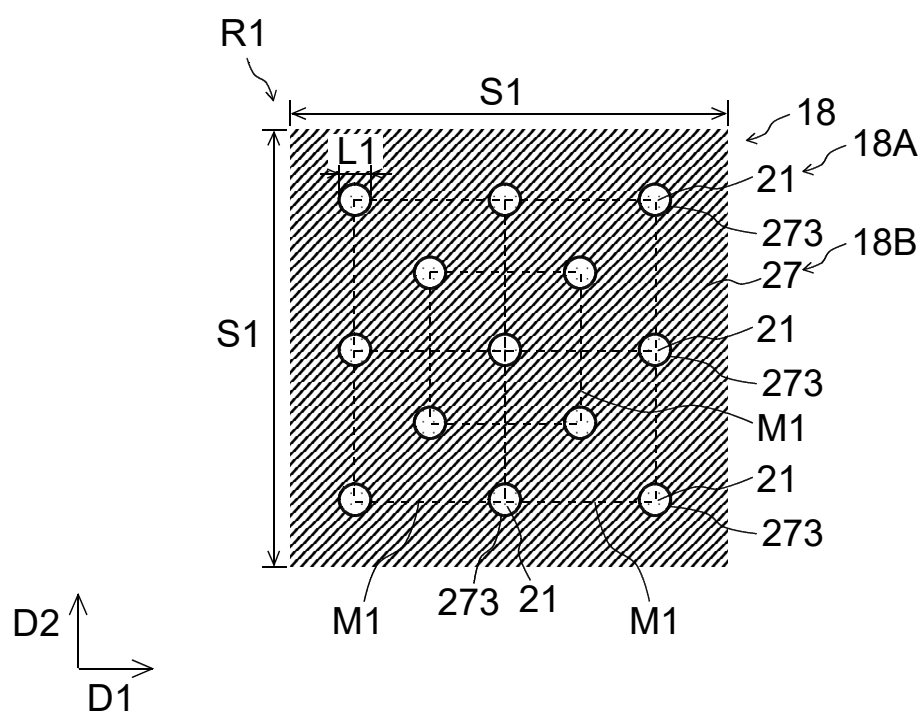


FIG. 65

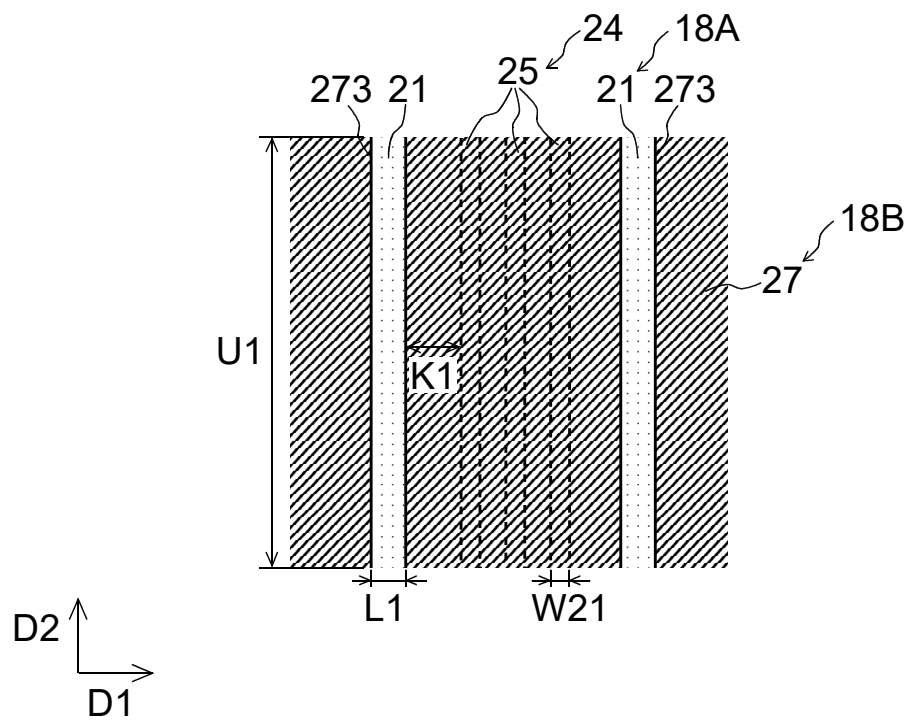


FIG. 66

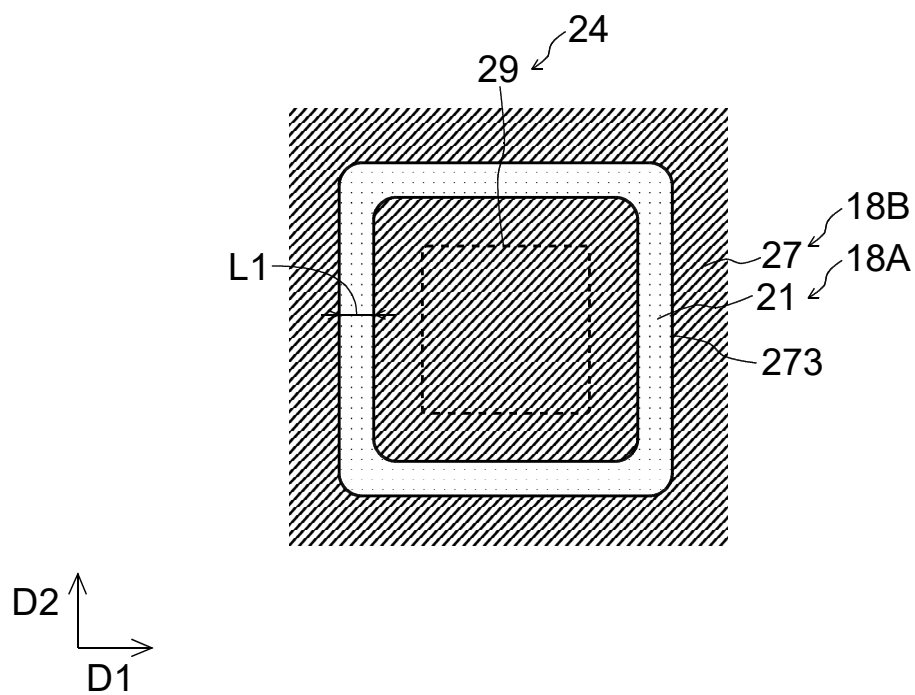


FIG. 67A

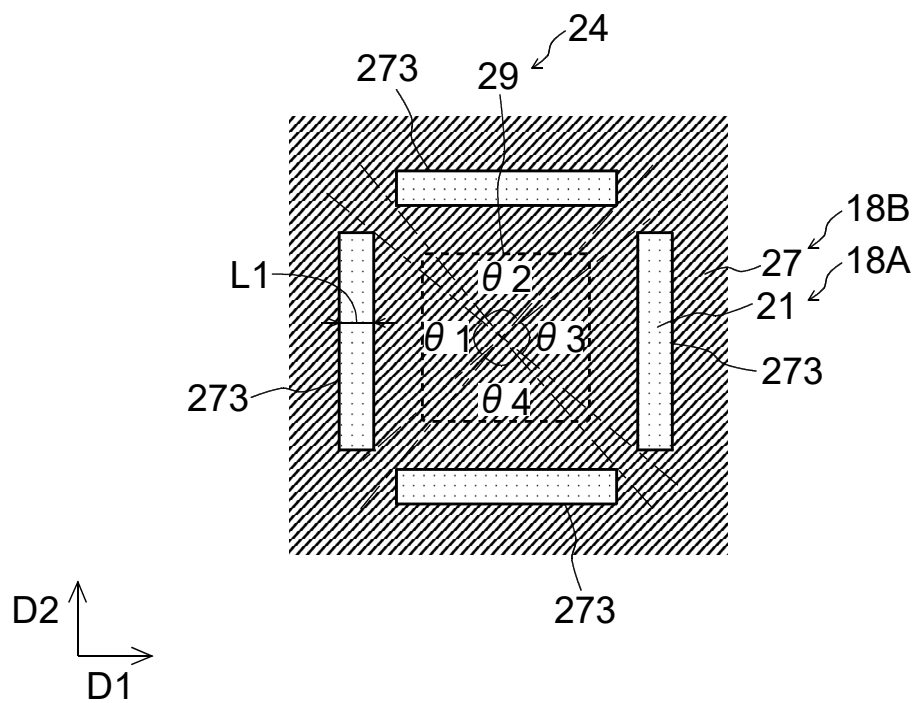


FIG. 67B

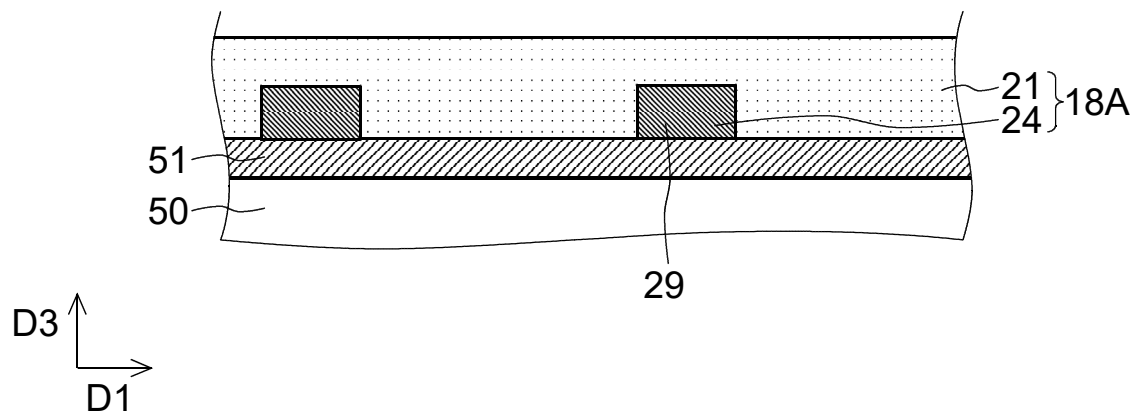


FIG. 68

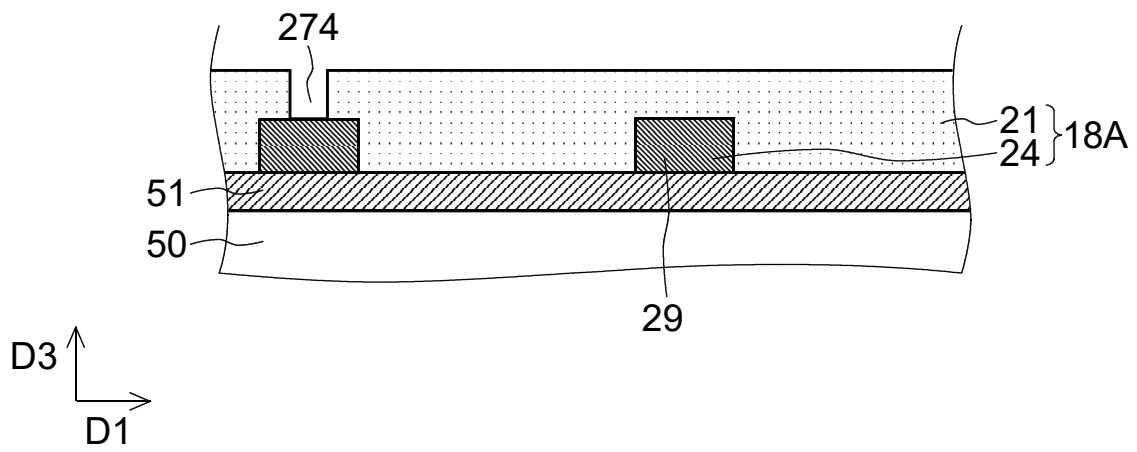


FIG. 69

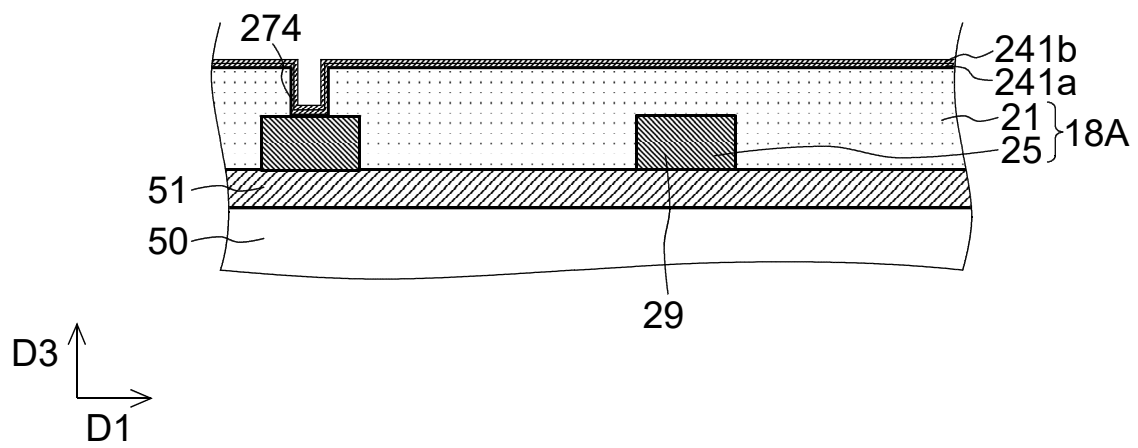


FIG. 70

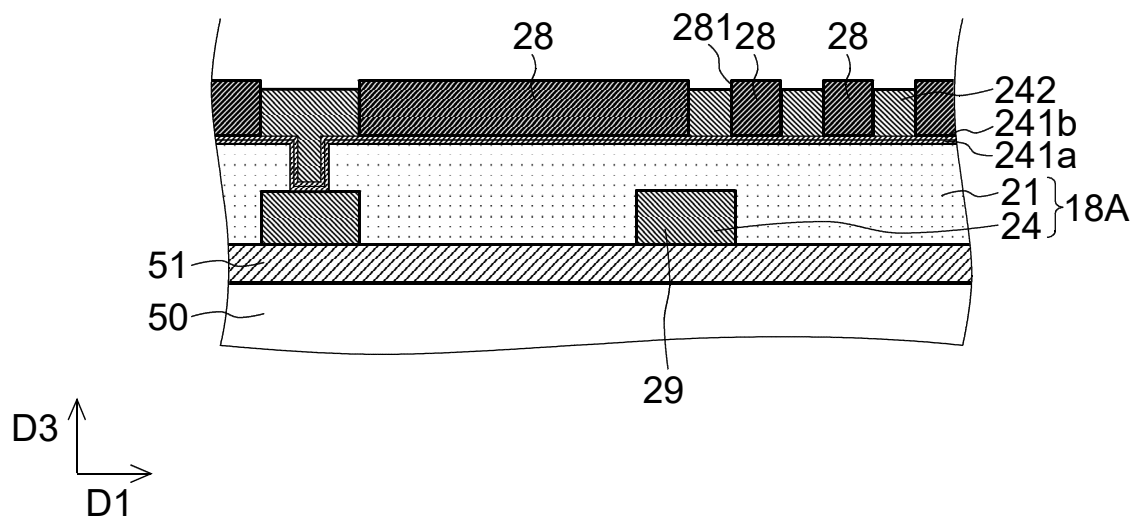


FIG. 71

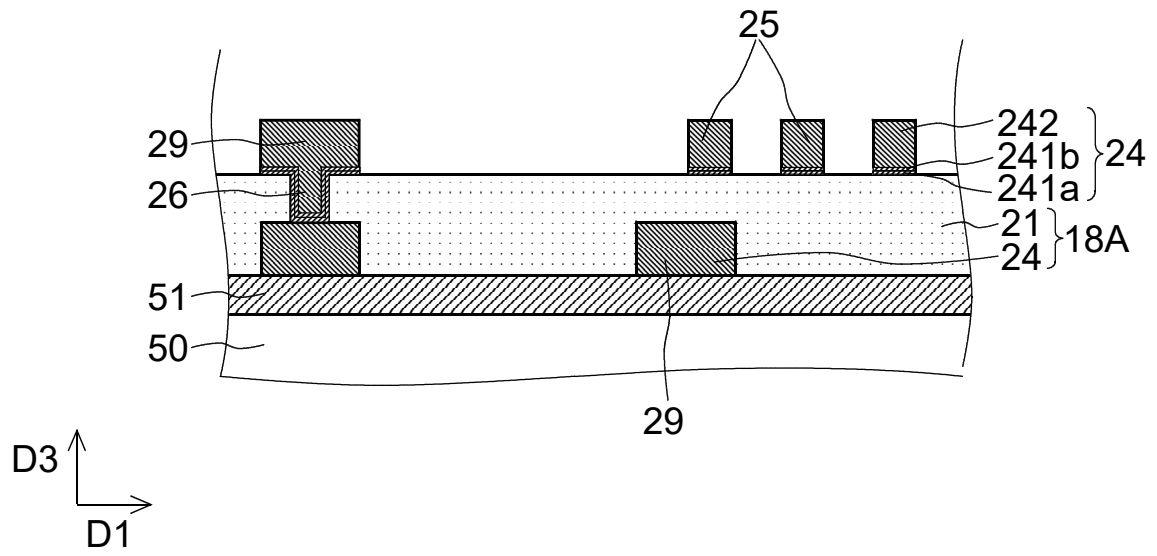


FIG. 72

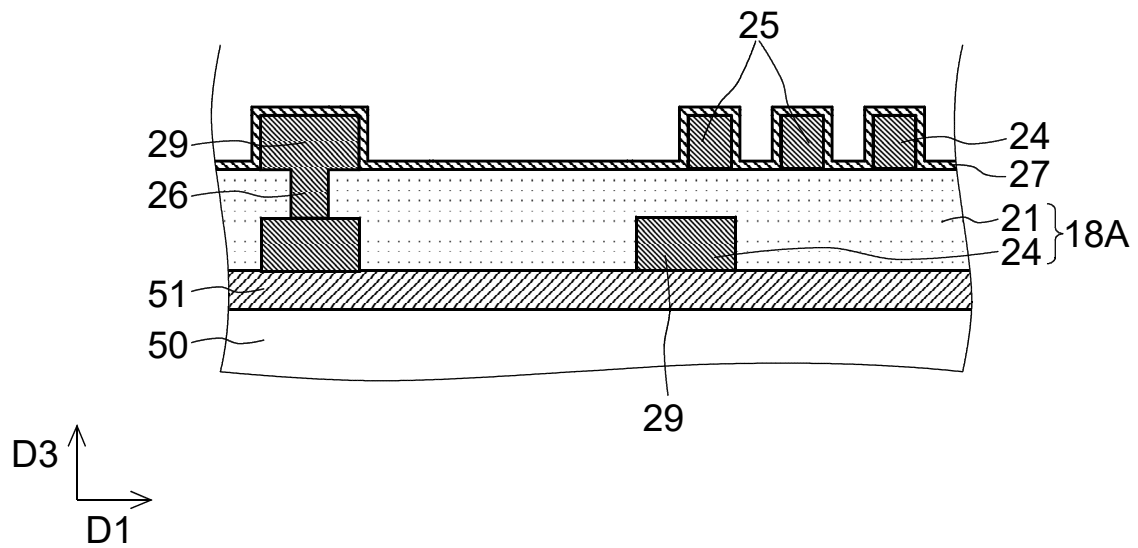


FIG. 73

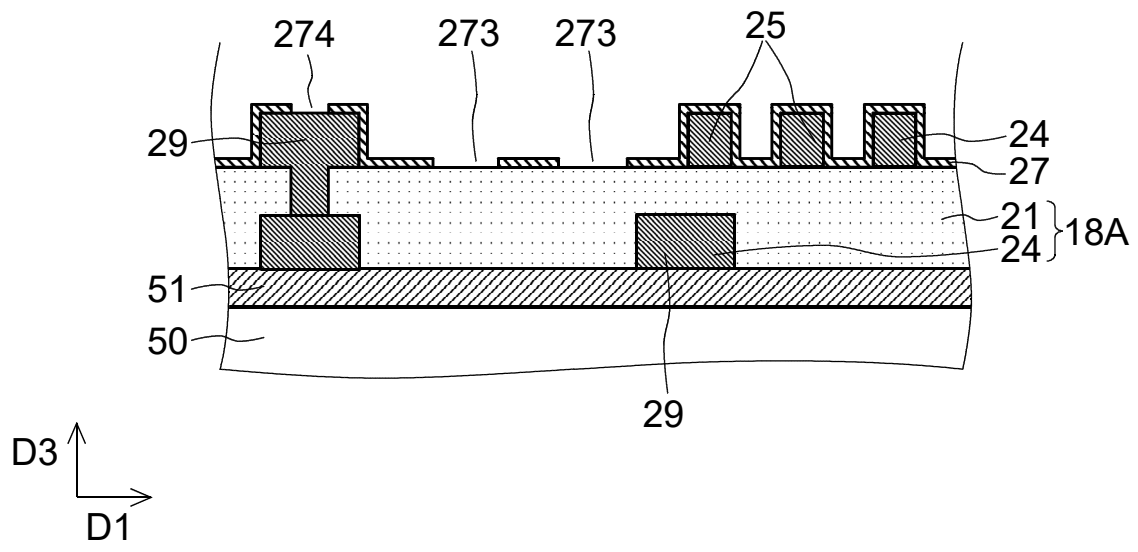


FIG. 74

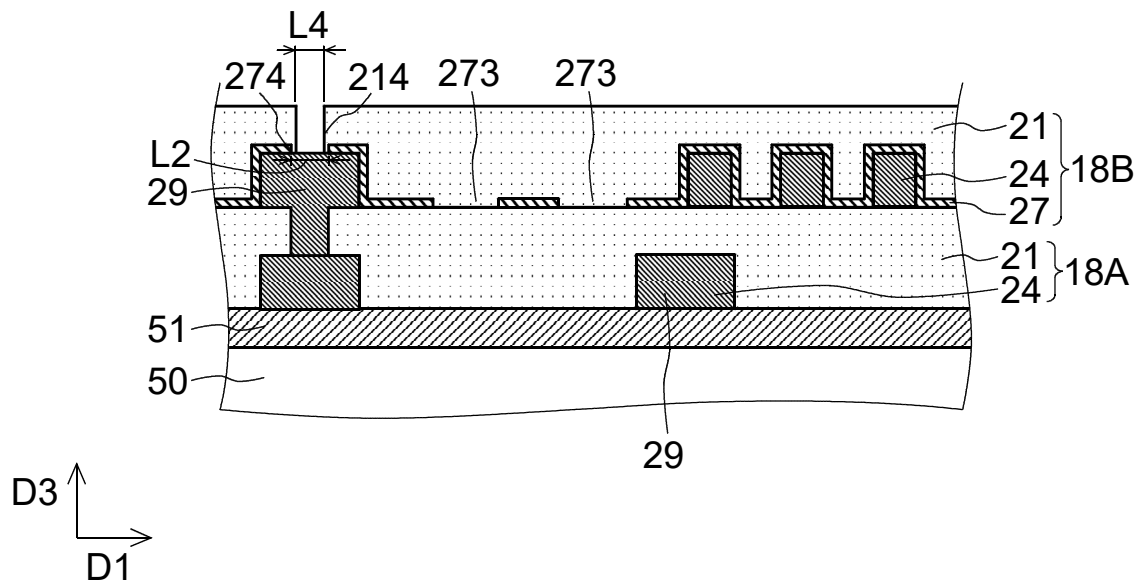


FIG. 75



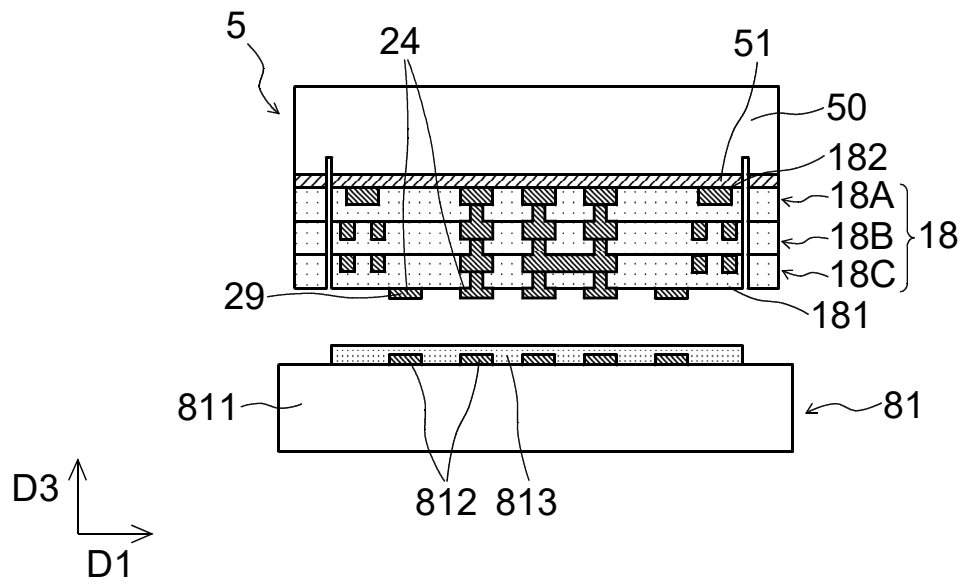


FIG. 77

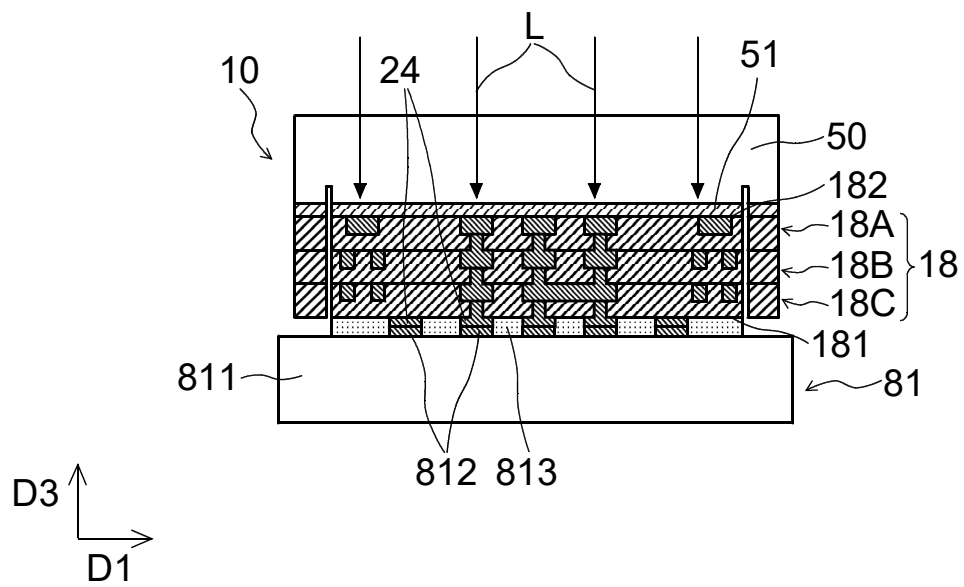


FIG. 78

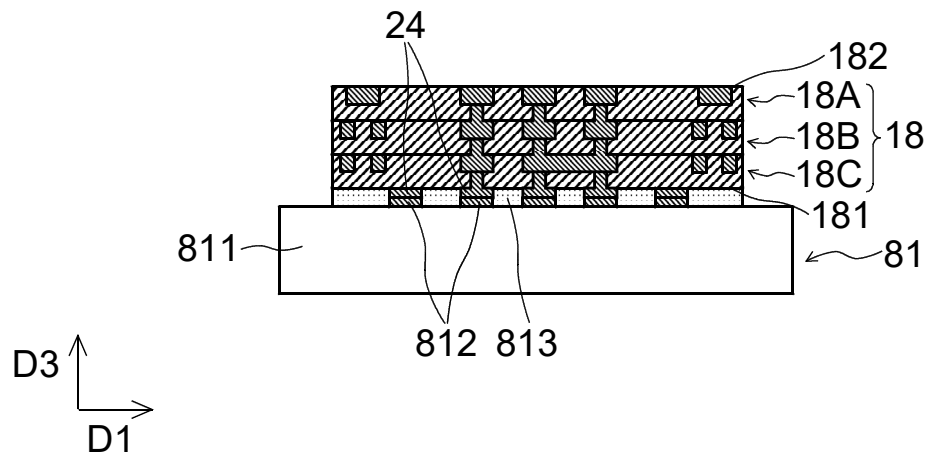


FIG. 79

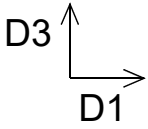


FIG. 80

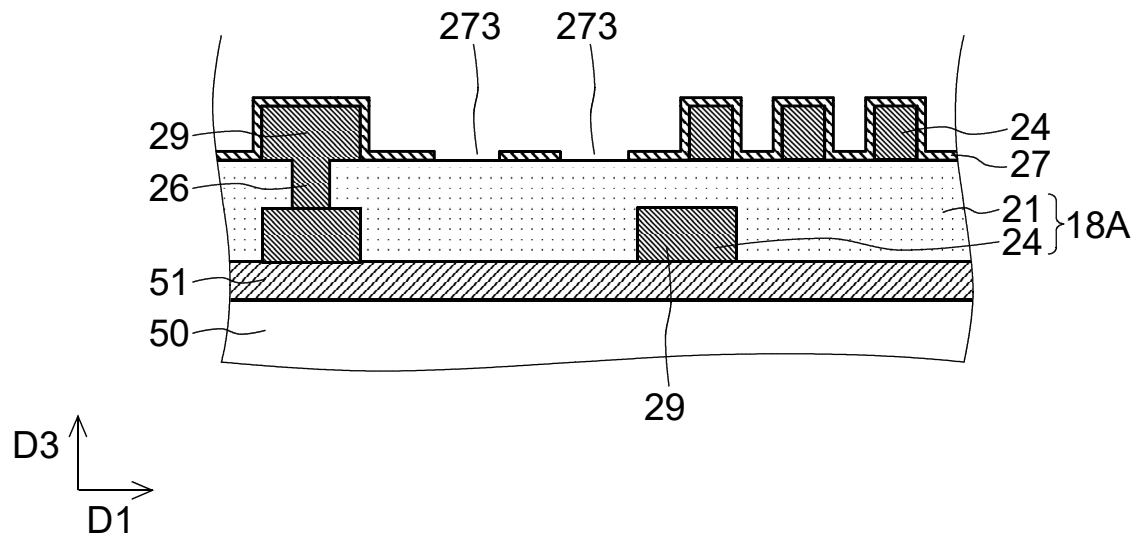


FIG. 81

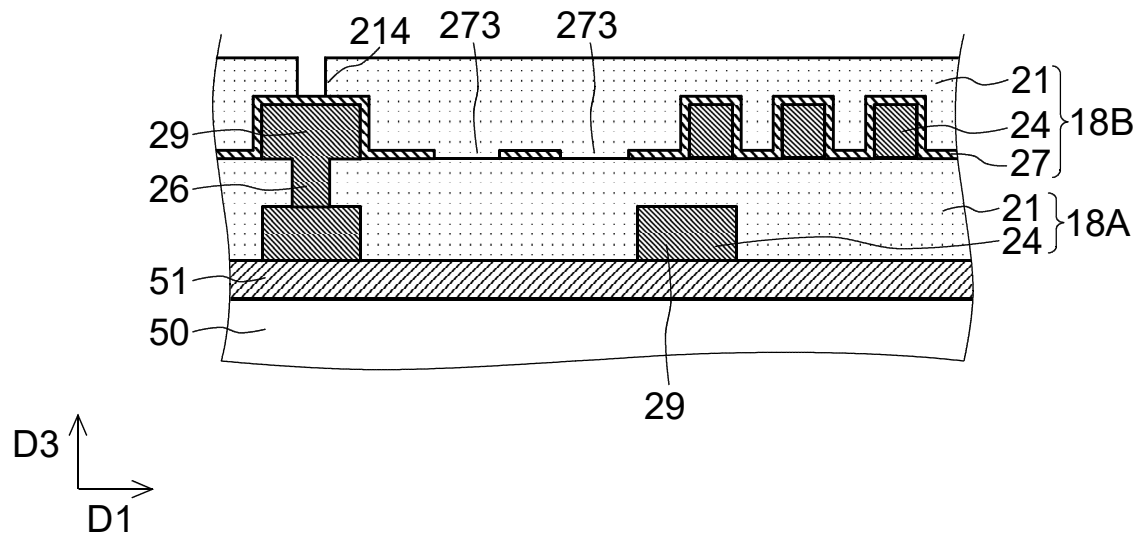


FIG. 82



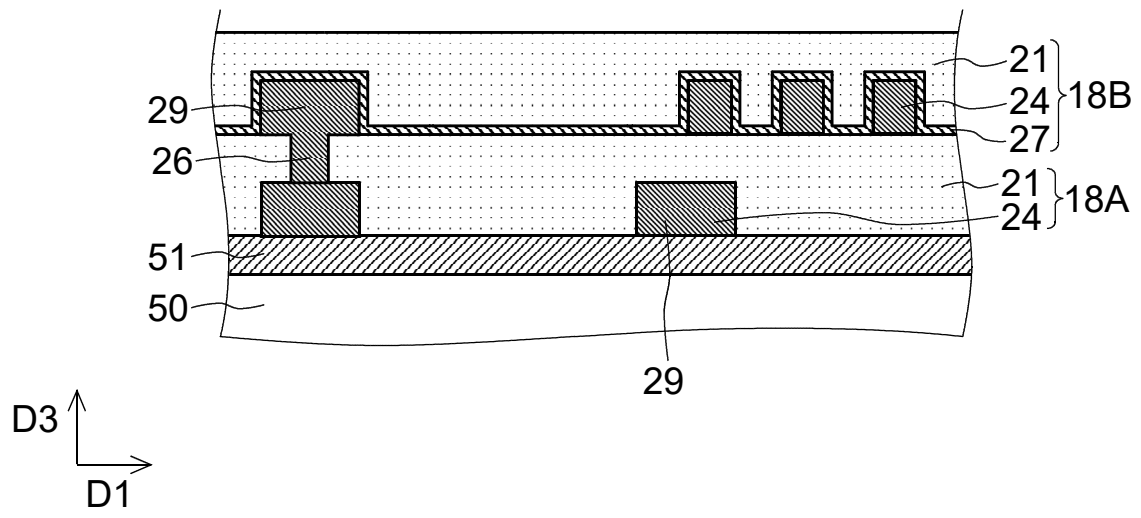


FIG. 84

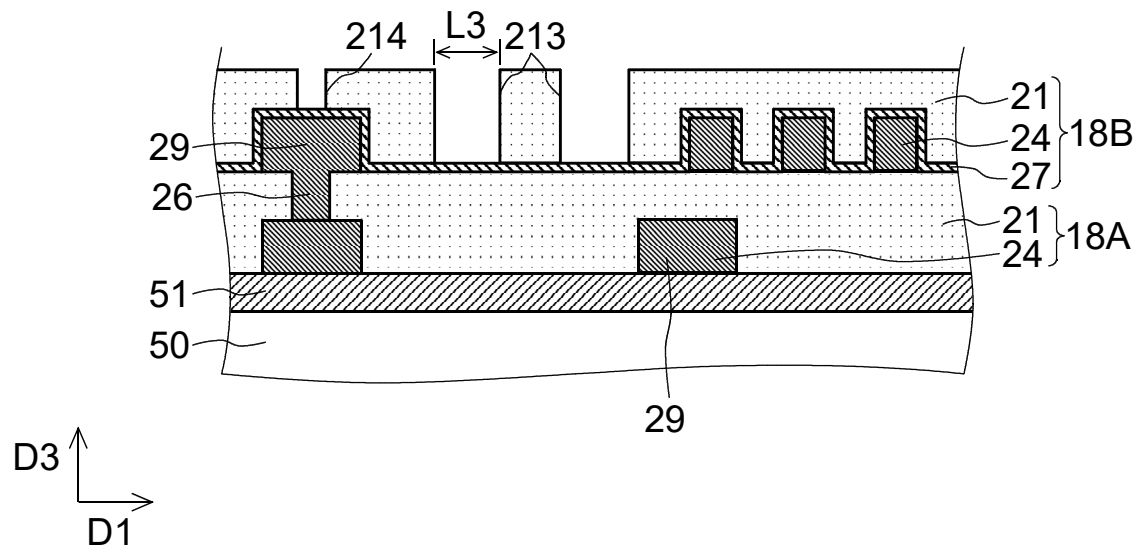


FIG. 85

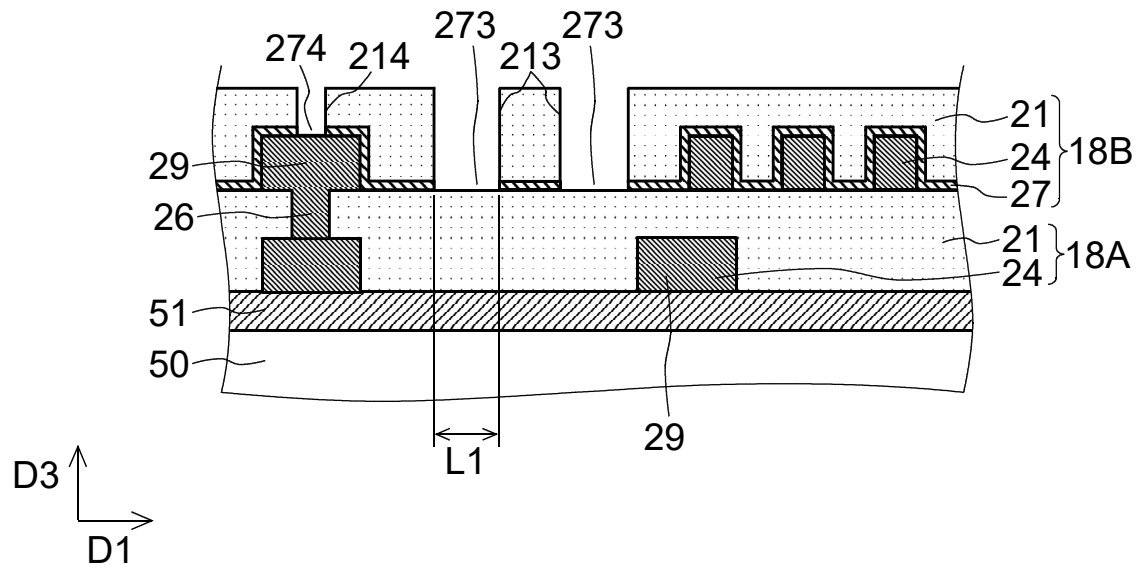


FIG. 86

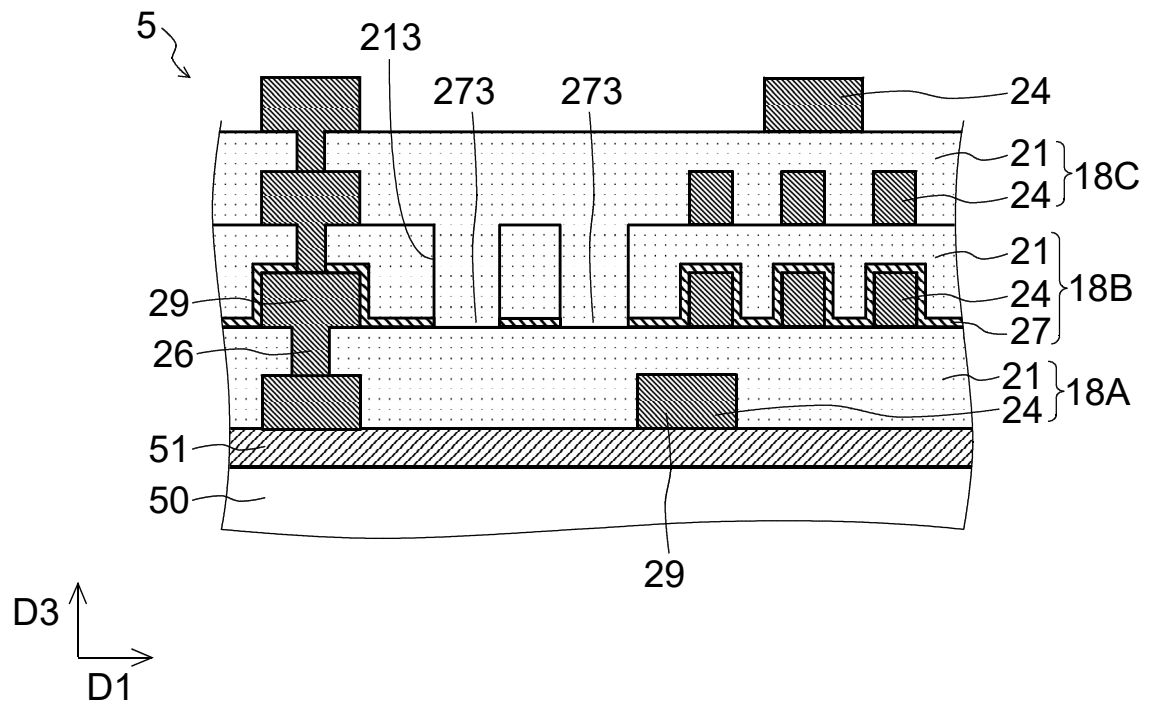
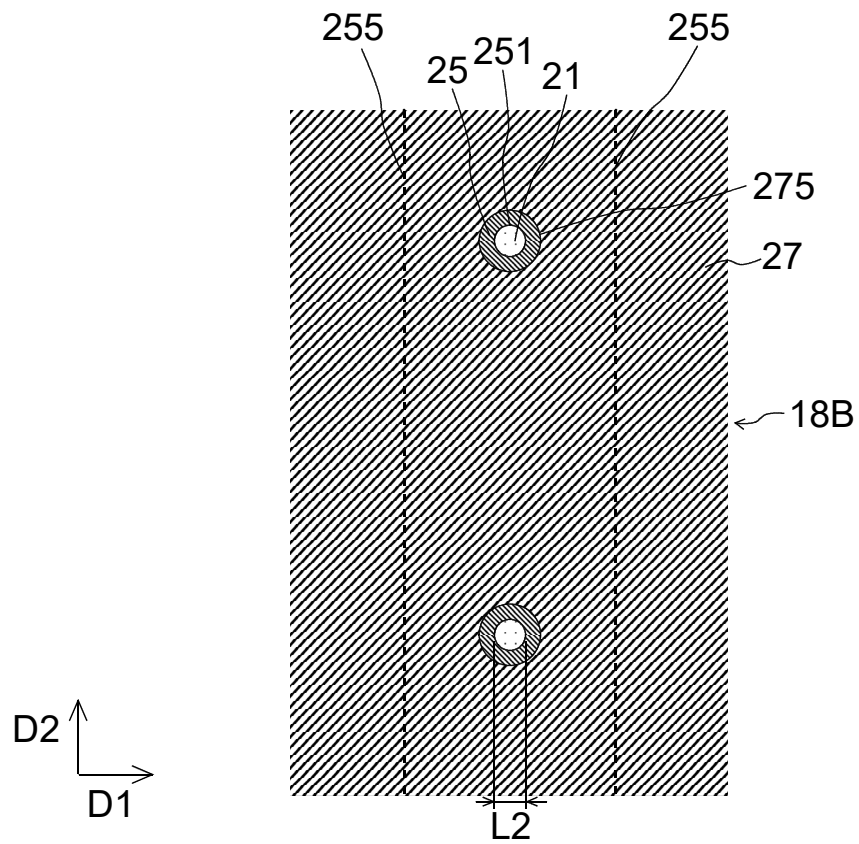


FIG. 87







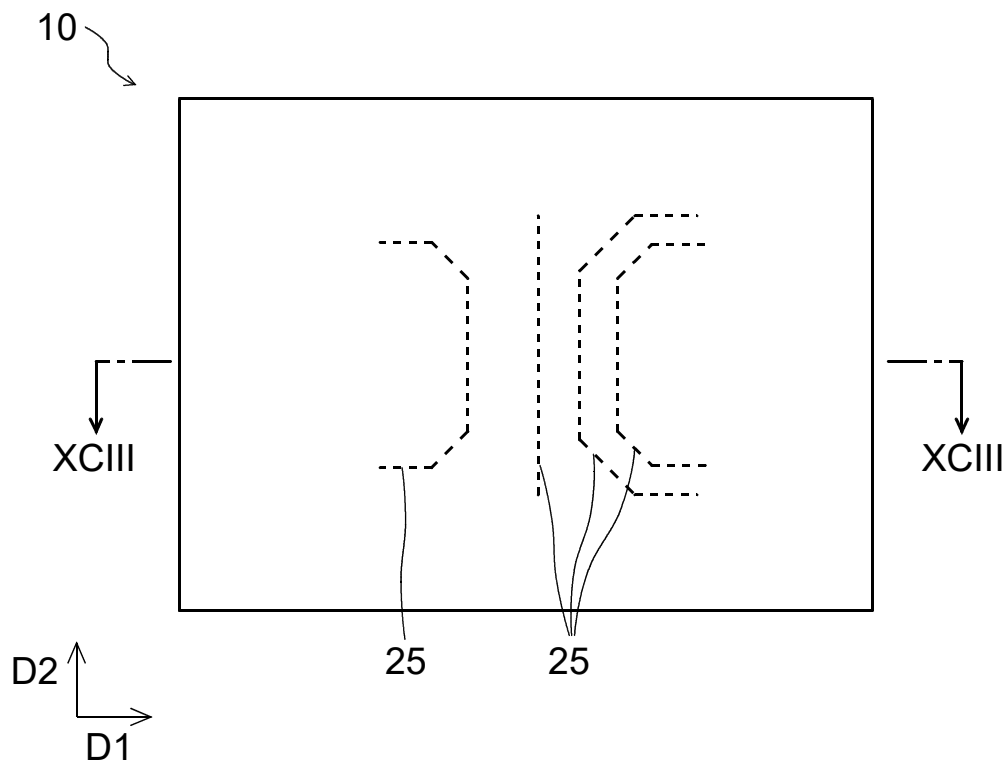


FIG. 92

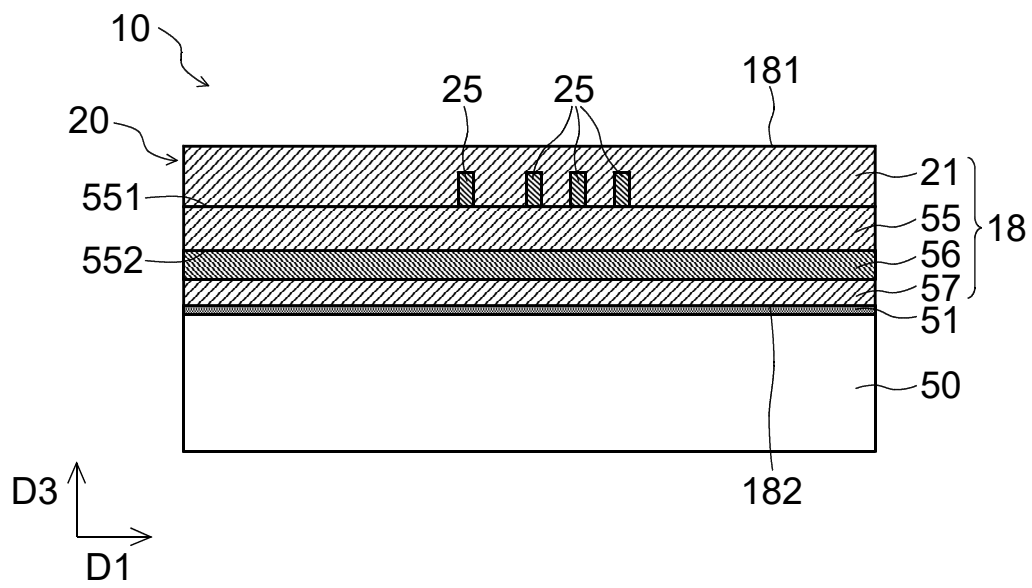
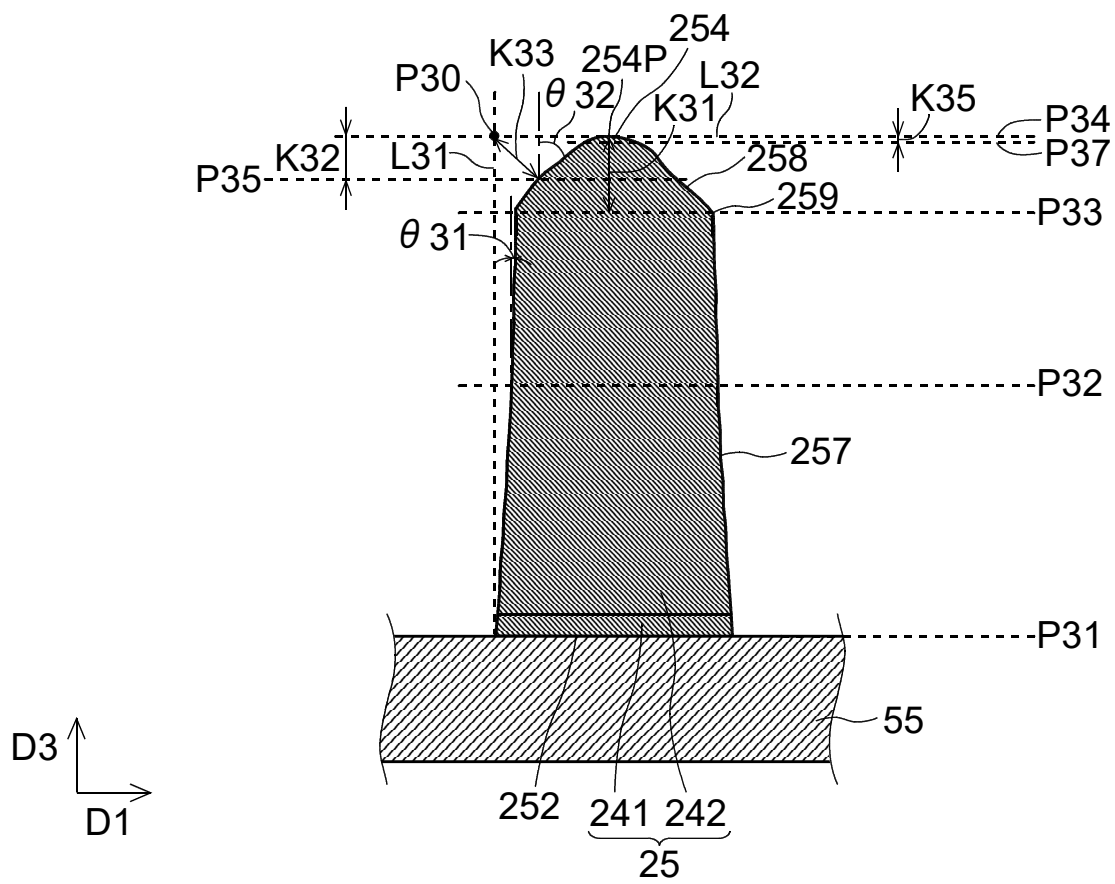
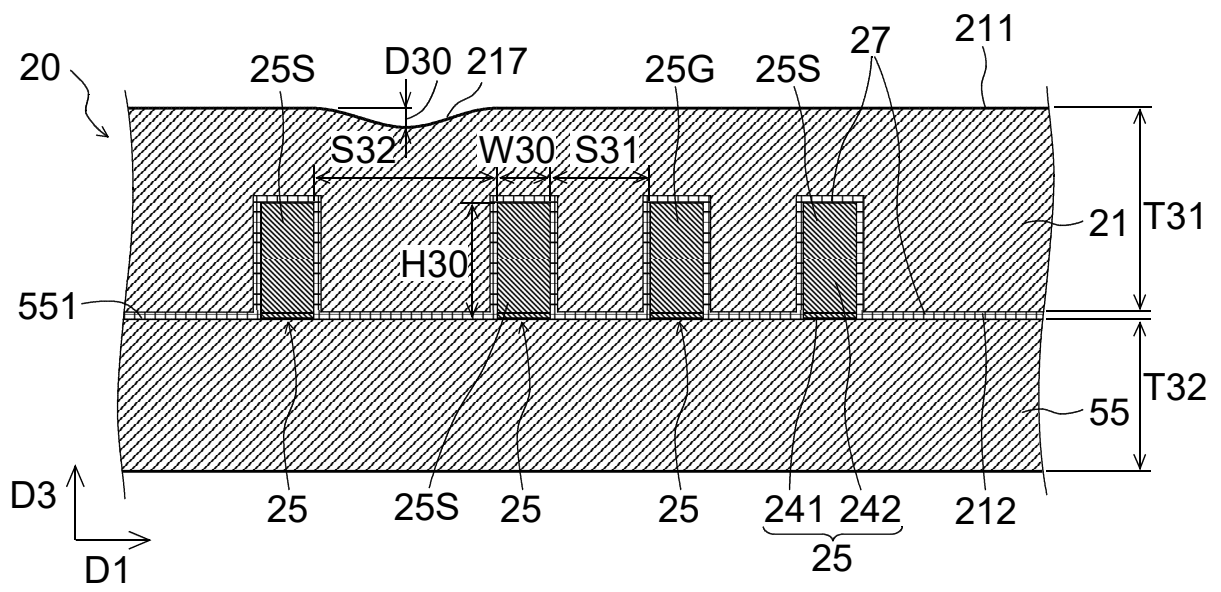


FIG. 93



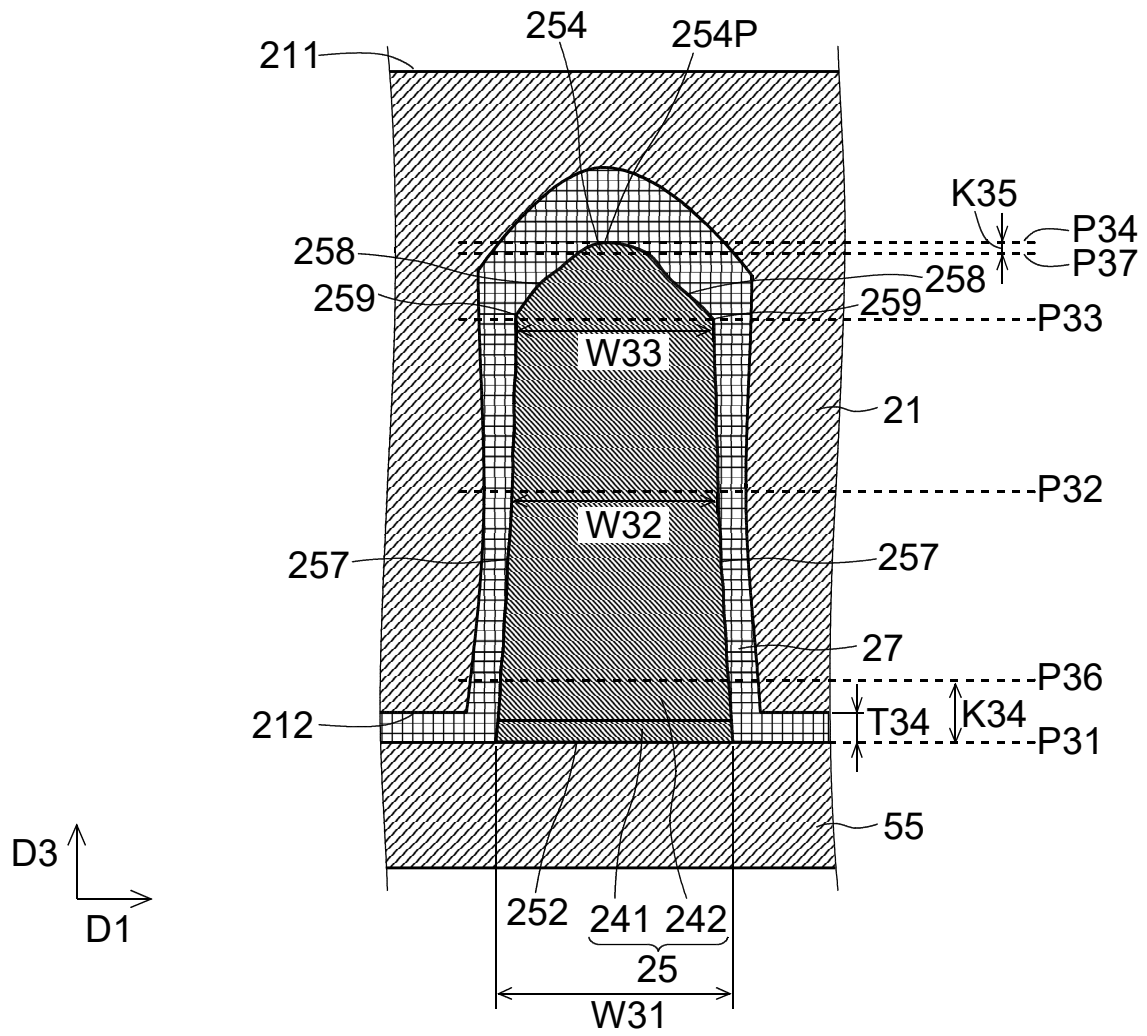


FIG. 95B

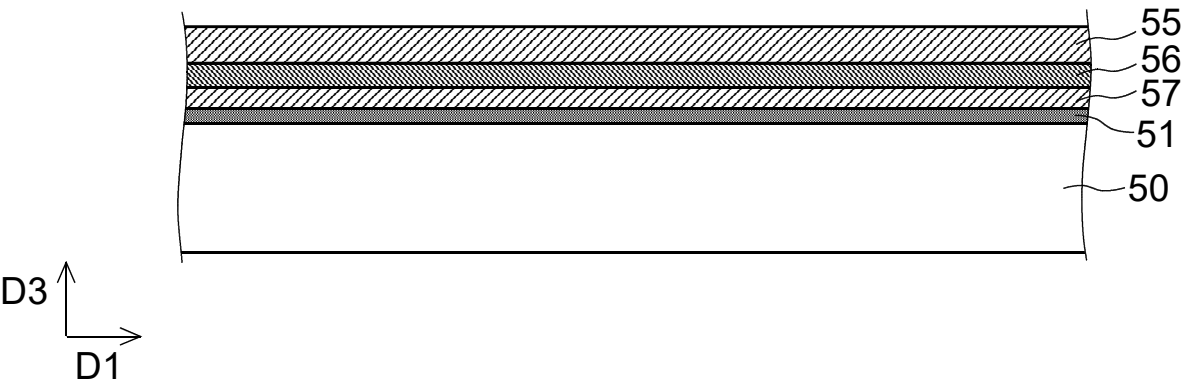


FIG. 96

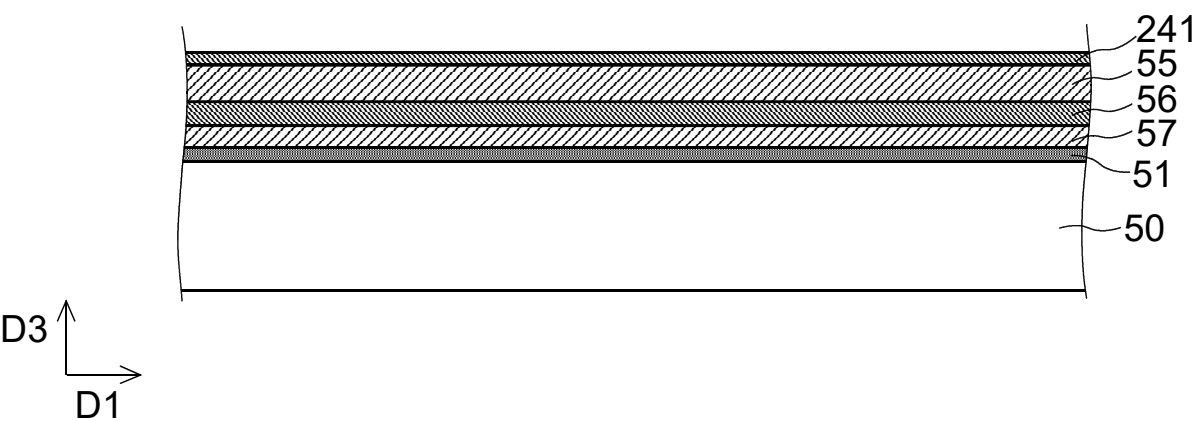


FIG. 97

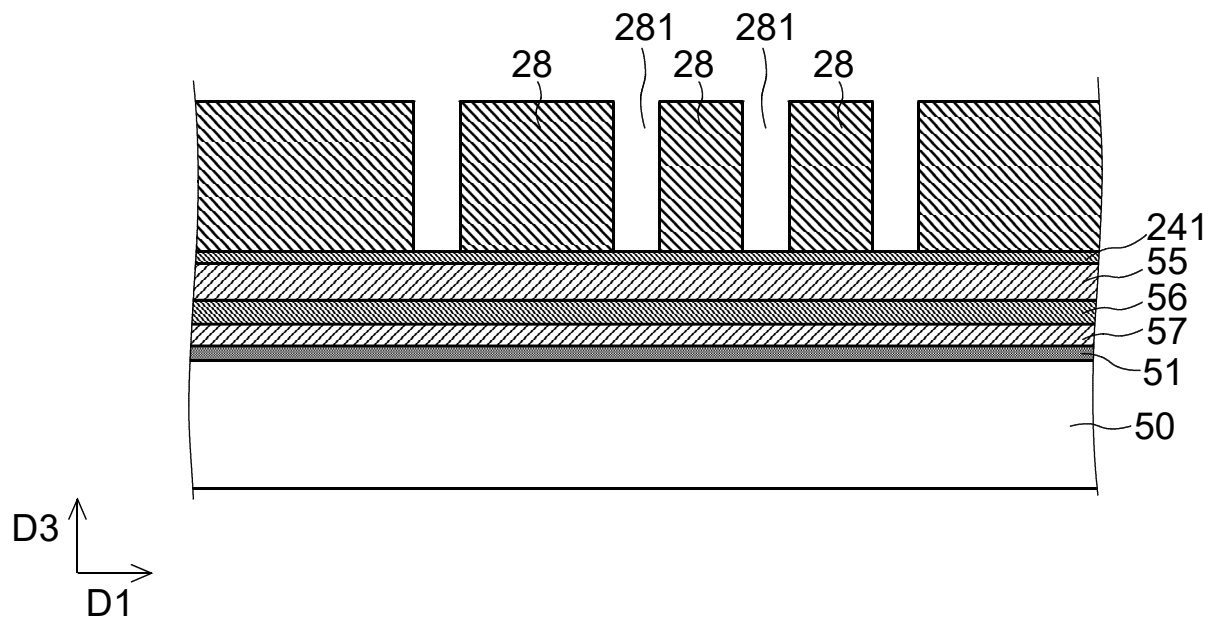


FIG. 98

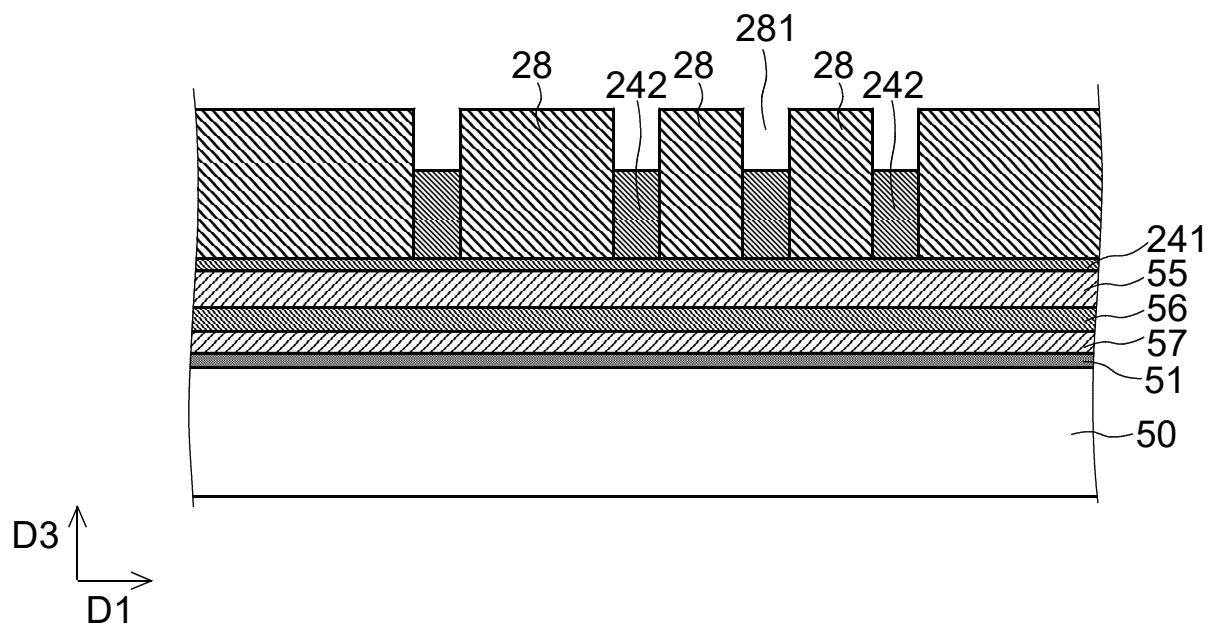


FIG. 99

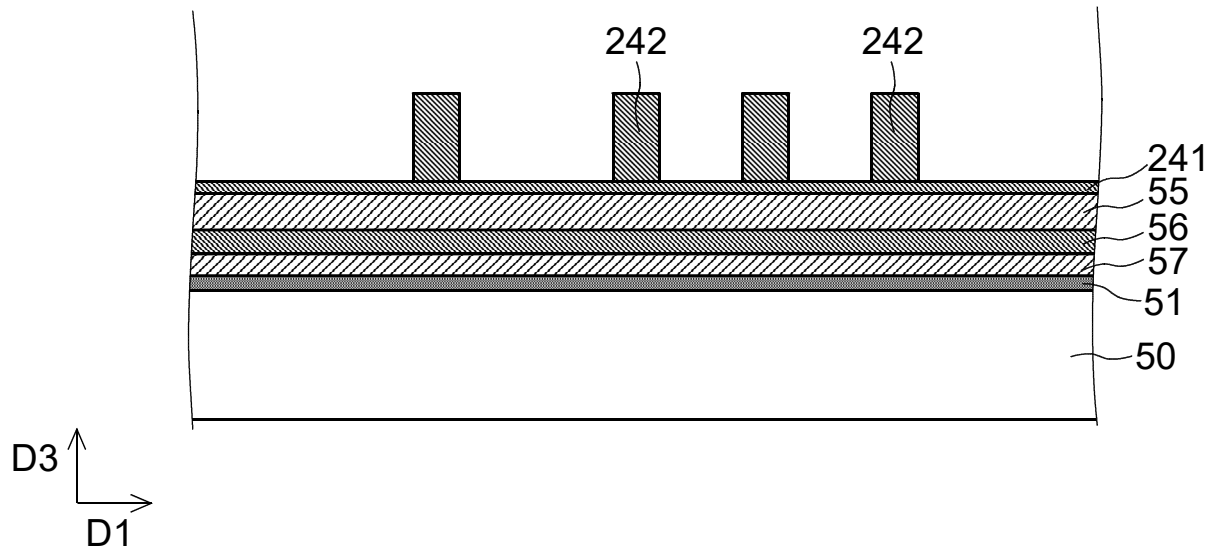


FIG. 100

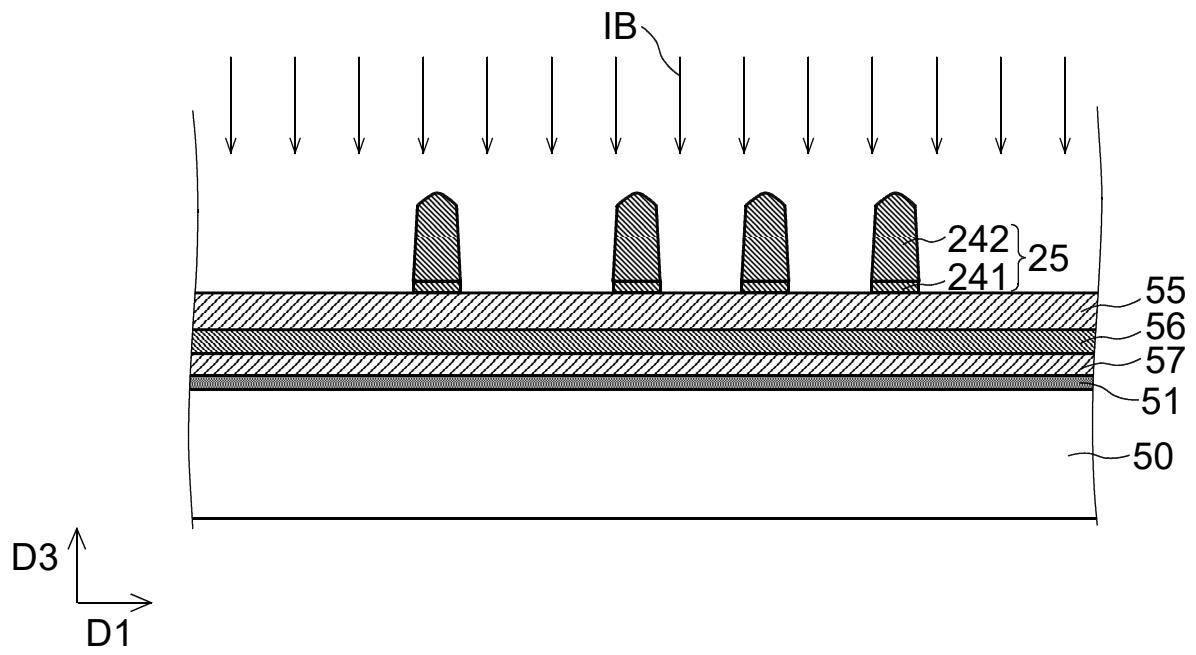


FIG. 101

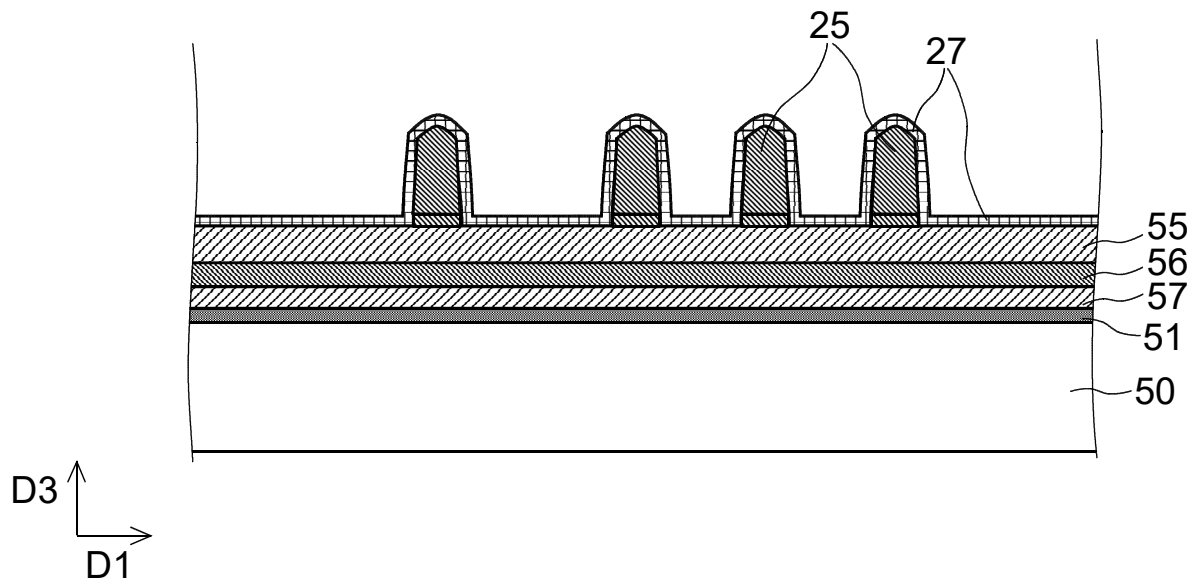


FIG. 102

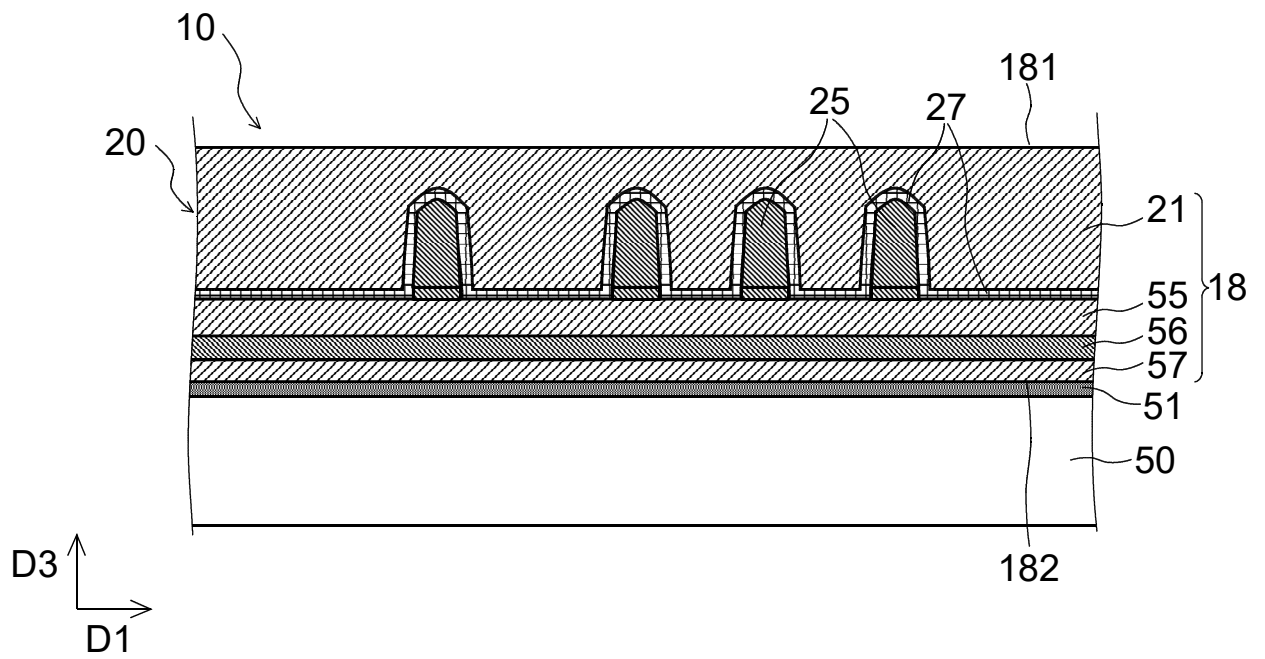


FIG. 103

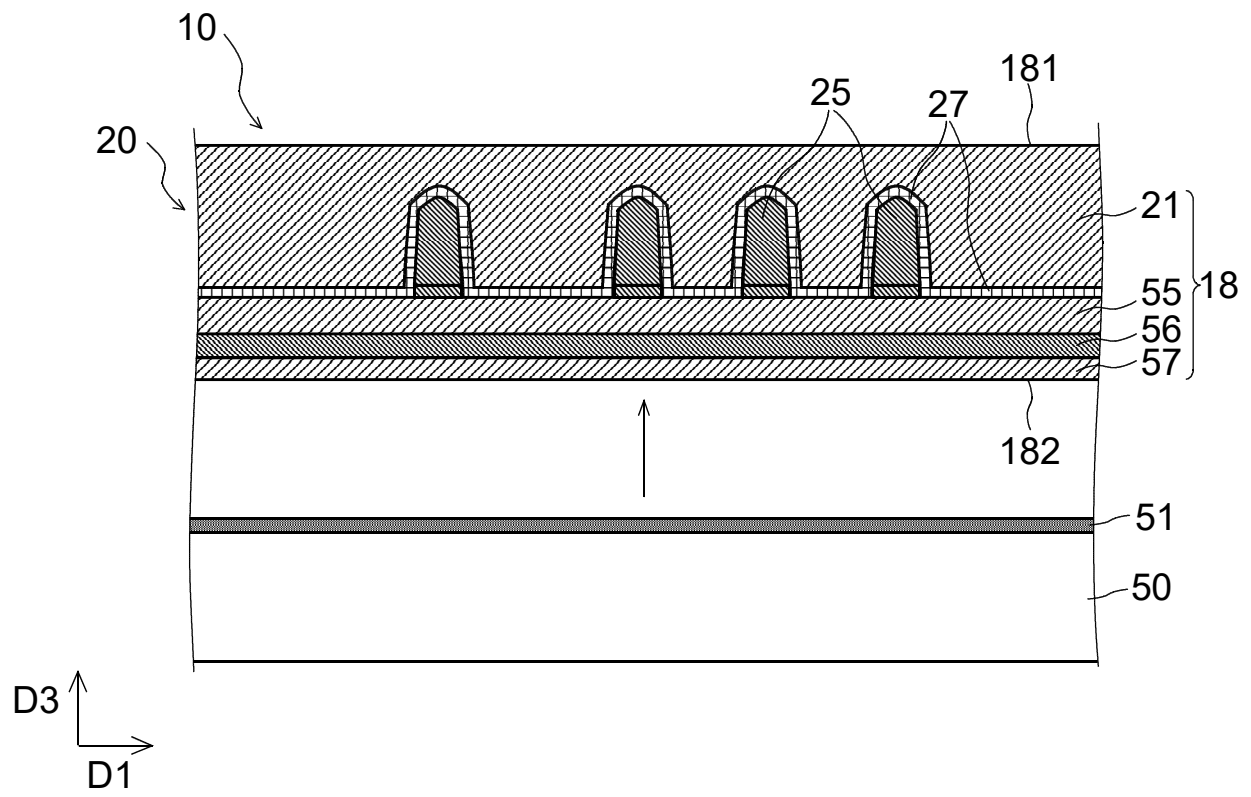


FIG. 104

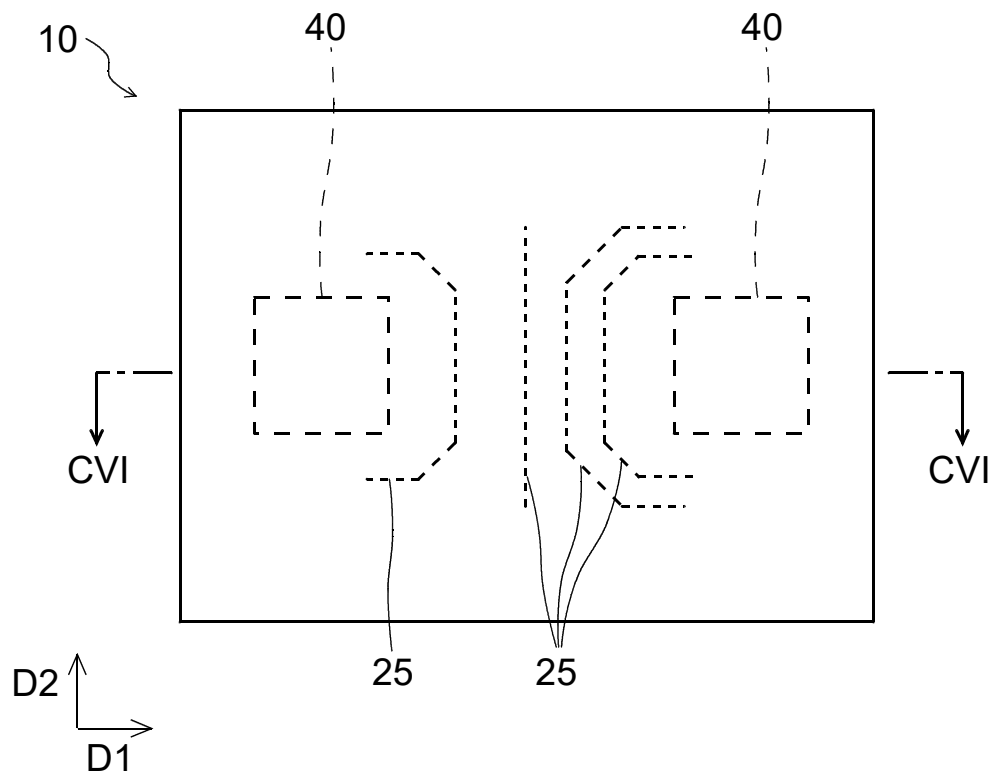


FIG. 105

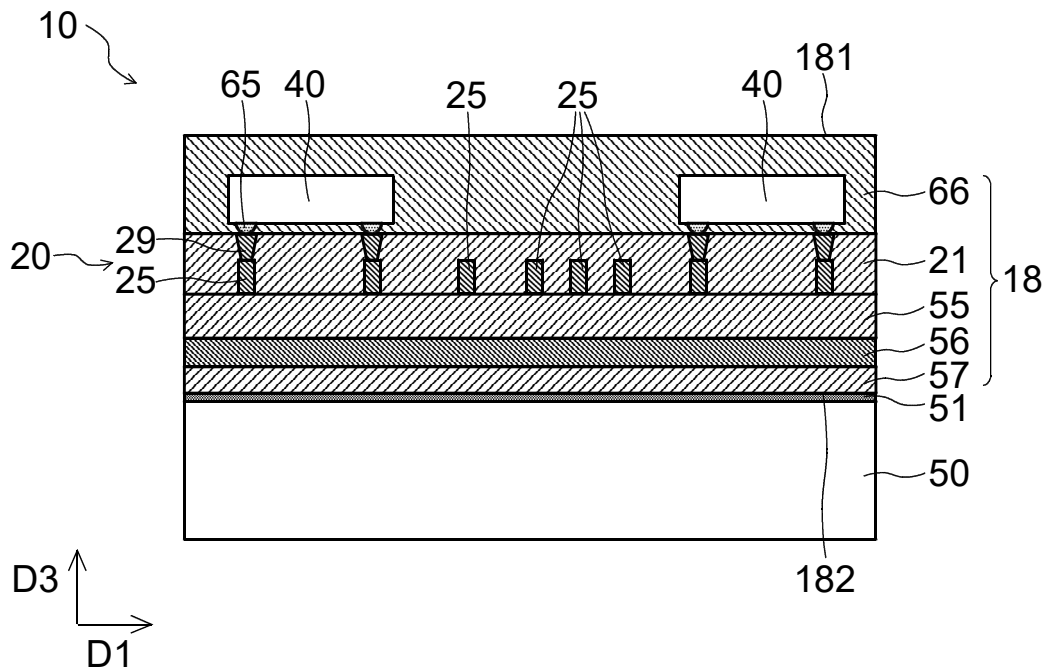


FIG. 106

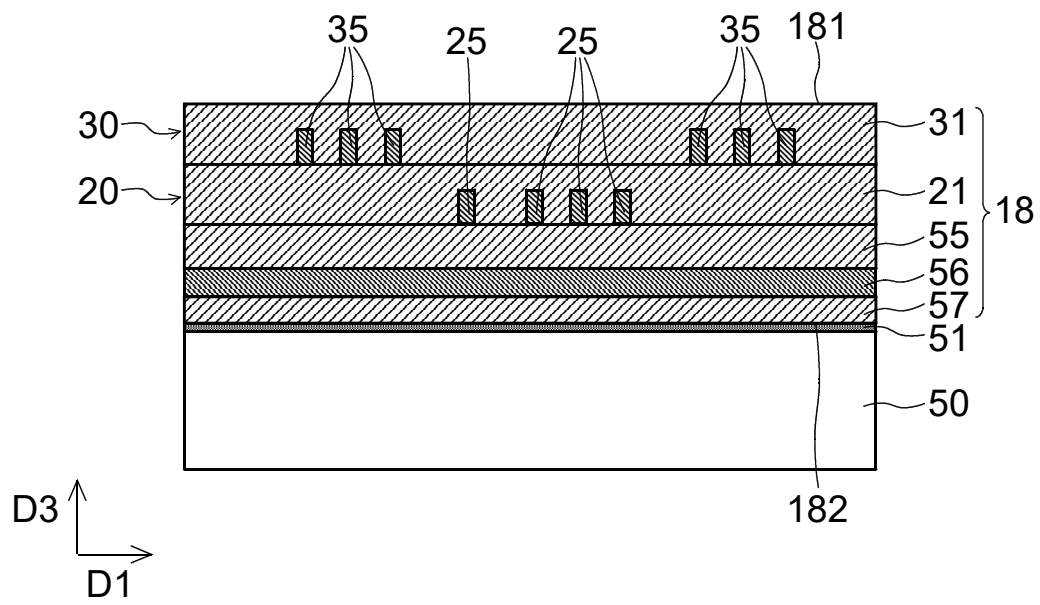


FIG. 107

|                           | WIRE                       |                             |       | EVALUATION        |
|---------------------------|----------------------------|-----------------------------|-------|-------------------|
|                           | WIDTH<br>[ $\mu\text{m}$ ] | HEIGHT<br>[ $\mu\text{m}$ ] | RATIO | SIGNAL<br>QUALITY |
| COMPARATIVE<br>EXAMPLE B1 | 1.0                        | 1.0                         | 1.0   | 0                 |
| EXAMPLE B1                | 1.0                        | 2.0                         | 2.0   | 2                 |
| EXAMPLE B2                | 1.0                        | 2.5                         | 2.5   | 3                 |
| EXAMPLE B3                | 1.0                        | 3.0                         | 3.0   | 3                 |
| EXAMPLE B4                | 1.0                        | 4.0                         | 4.0   | 3                 |
| COMPARATIVE<br>EXAMPLE B2 | 1.0                        | 5.0                         | 5.0   | 0                 |

FIG. 108

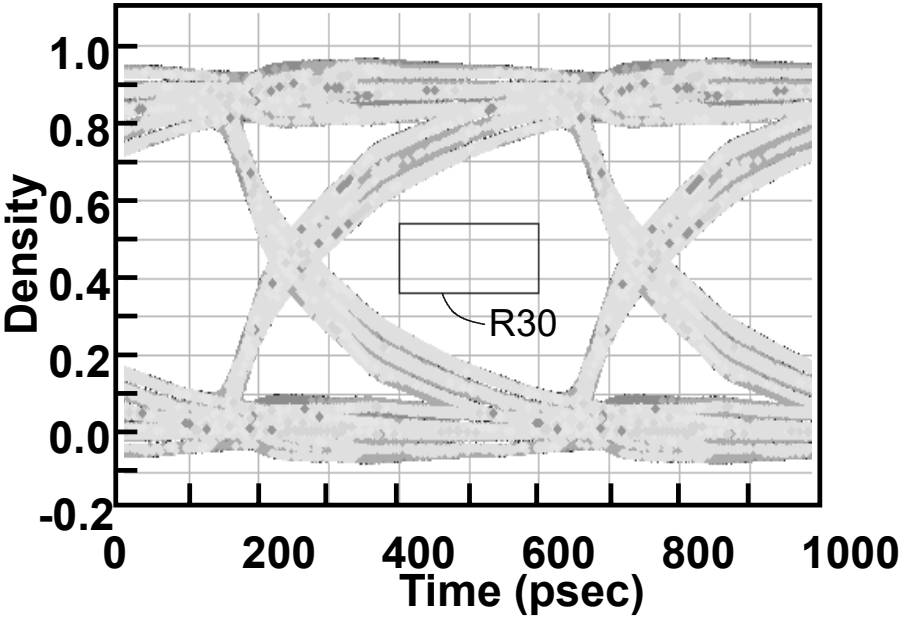


FIG. 109

|            | WIRE                       |                             |       | INORGANIC LAYER   | EVALUATION        |            |
|------------|----------------------------|-----------------------------|-------|-------------------|-------------------|------------|
|            | WIDTH<br>[ $\mu\text{m}$ ] | HEIGHT<br>[ $\mu\text{m}$ ] | RATIO | THICKNESS<br>[nm] | SIGNAL<br>QUALITY | PROTECTION |
| EXAMPLE B5 | 1.0                        | 3.0                         | 3.0   | 40                | 1                 | good       |
| EXAMPLE B6 | 1.0                        | 3.0                         | 3.0   | 50                | 2                 | great      |
| EXAMPLE B7 | 1.0                        | 3.0                         | 3.0   | 150               | 2                 | great      |
| EXAMPLE B8 | 1.0                        | 3.0                         | 3.0   | 400               | 2                 | great      |
| EXAMPLE B9 | 1.0                        | 3.0                         | 3.0   | 500               | 1                 | great      |

FIG. 110

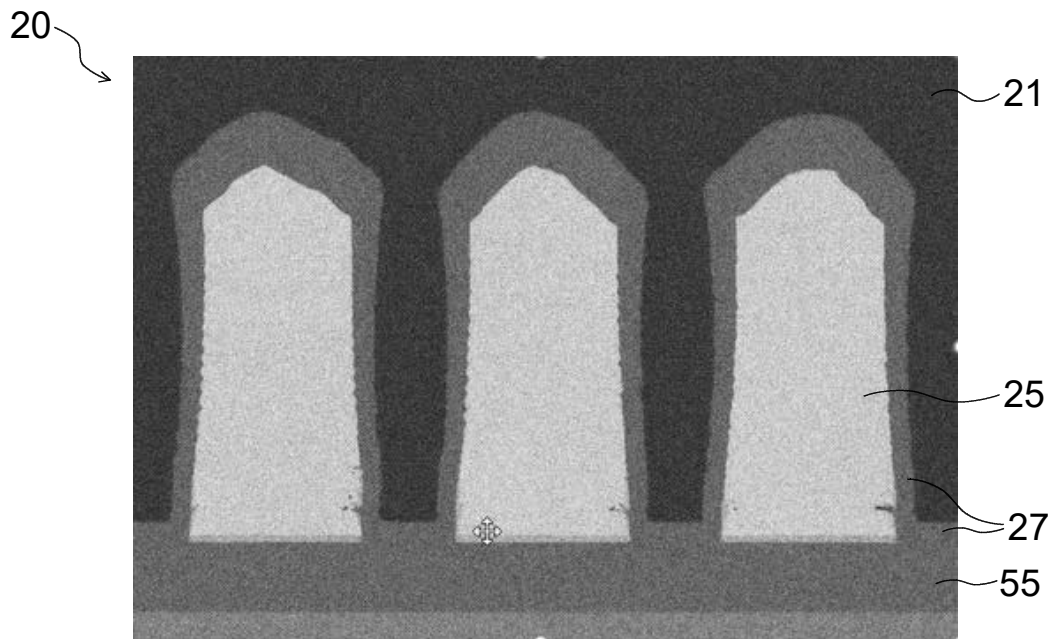


FIG. 111

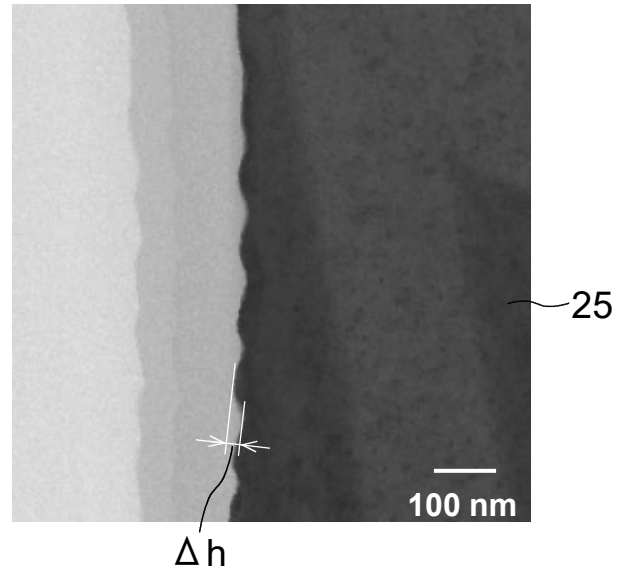


FIG. 112

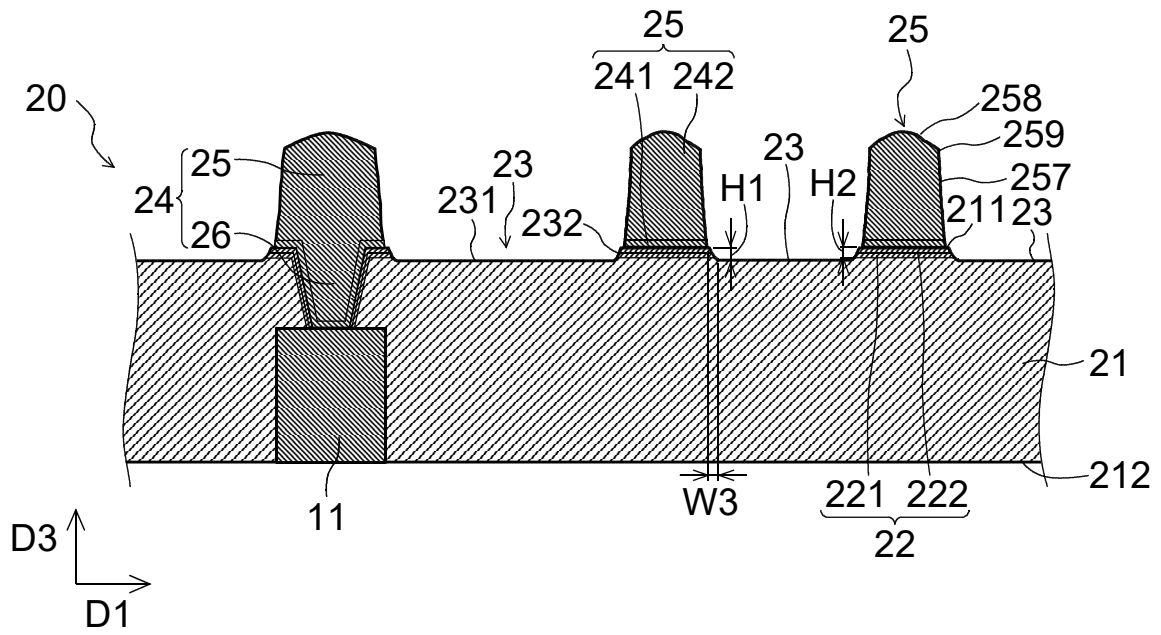


FIG. 113

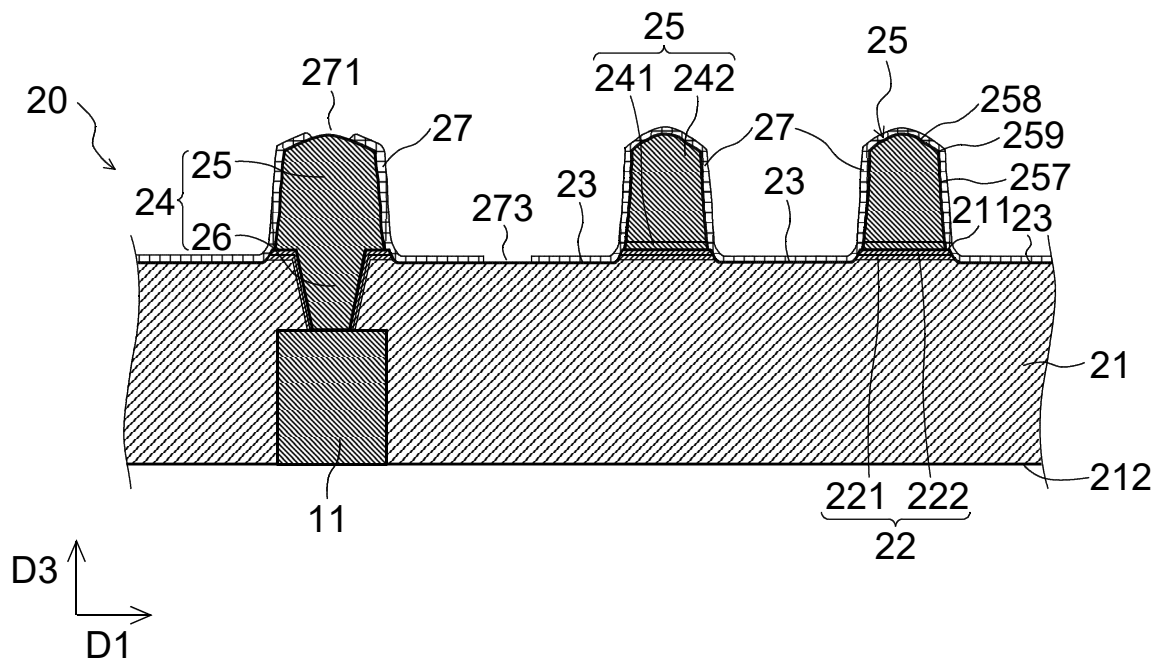


FIG. 114