Fig. 1A formation of base insulating film/
formation of semiconductor film

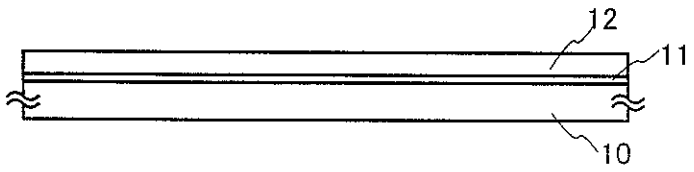



Fig. 1B laser anneal

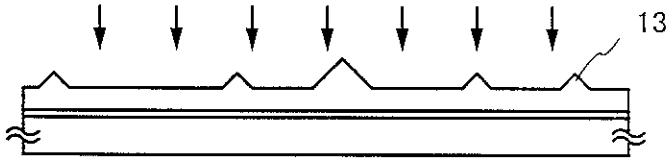



Fig. 1C heat treatment process

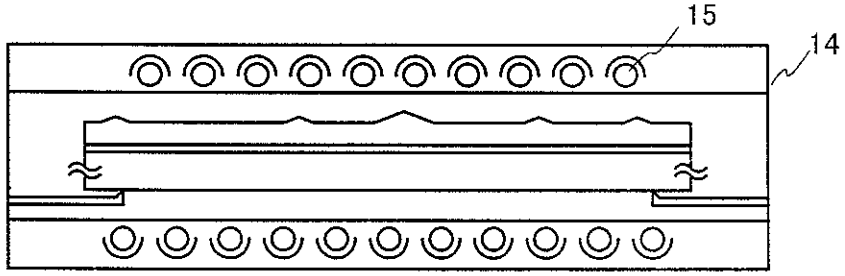



Fig. 1D formation of semiconductor film

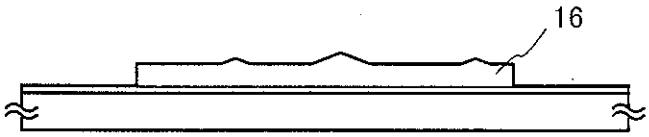


Fig. 2A formation of base insulating film/
formation of semiconductor film

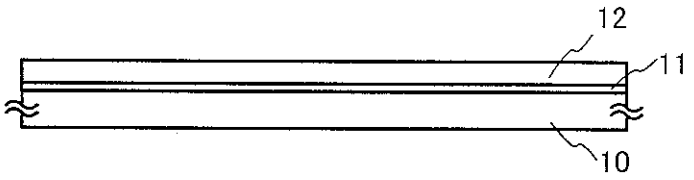



Fig. 2B laser anneal

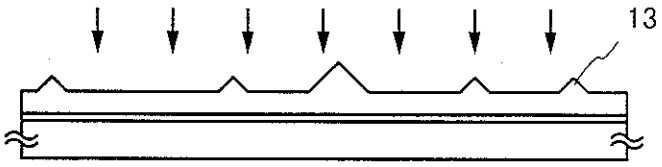



Fig. 2C formation of semiconductor film

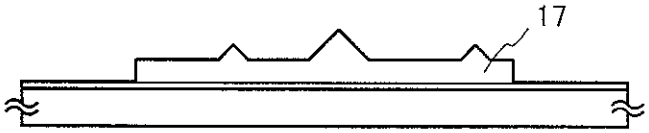



Fig. 2D heat treatment process

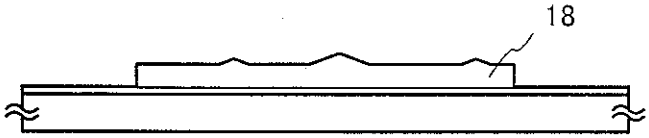


Fig. 3A formation of base insulating film/
formation of semiconductor film

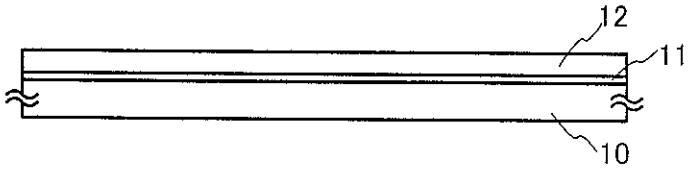



Fig. 3B irradiation of strong light

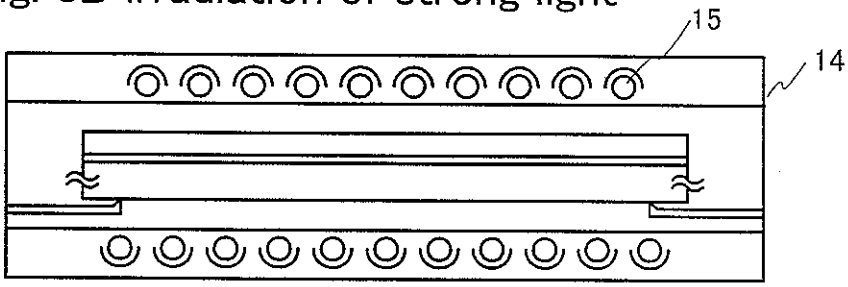



Fig. 3C laser anneal

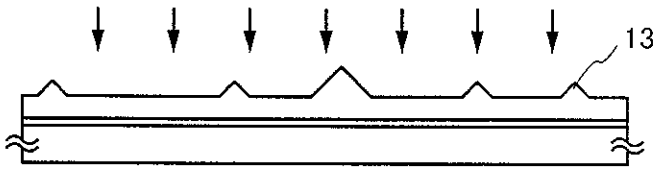



Fig. 3D heat treatment process

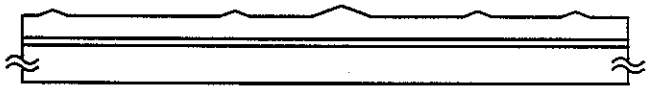


Fig. 3E formation of semiconductor film

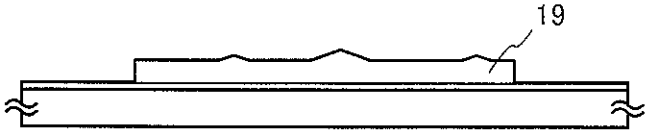


Fig. 4A formation of conductive film/formation of insulating film /formation of semiconductor film

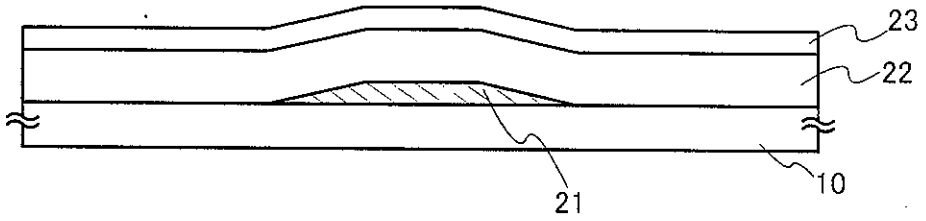



Fig. 4B laser anneal

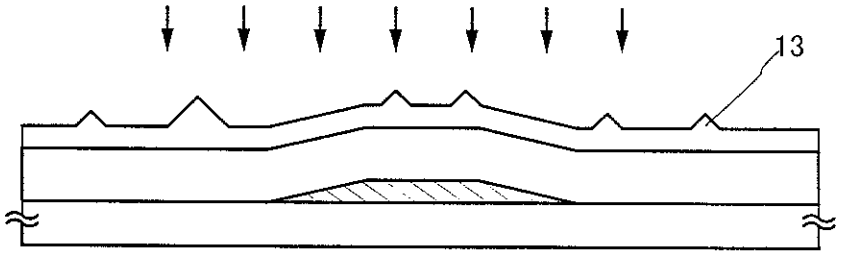



Fig. 4C heat treatment process

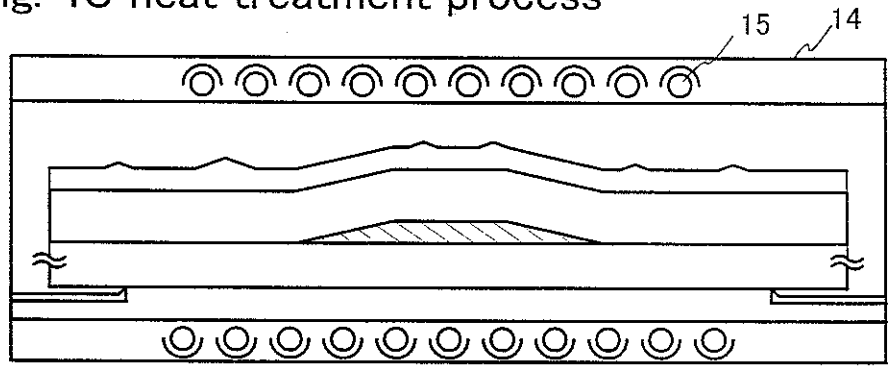
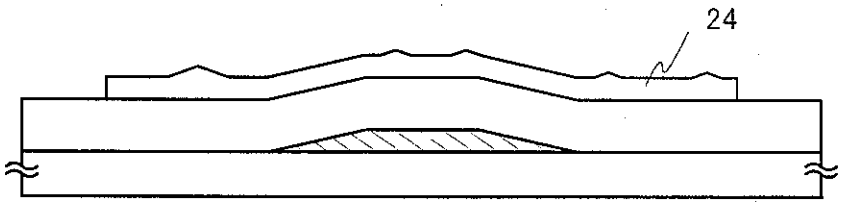
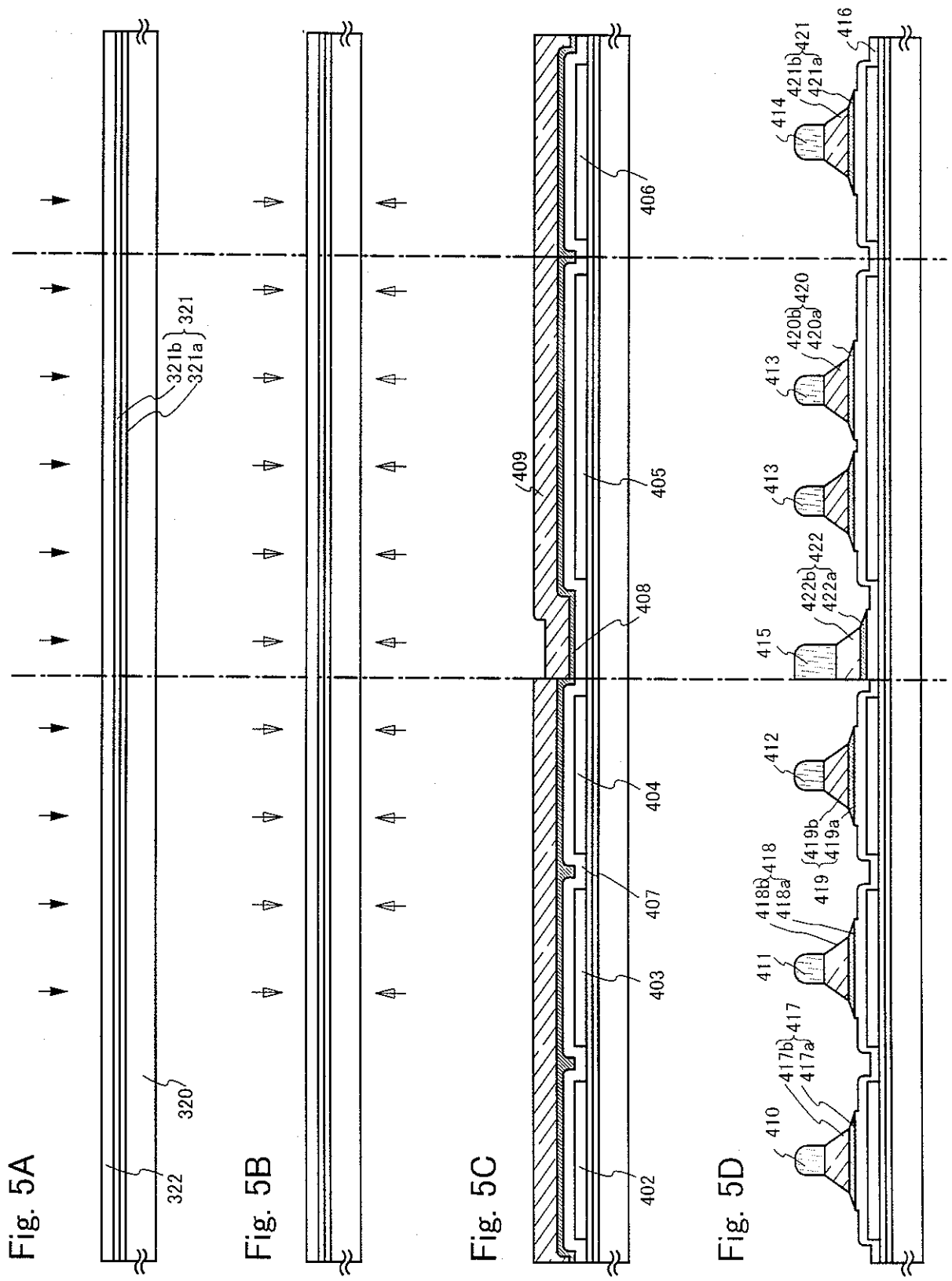
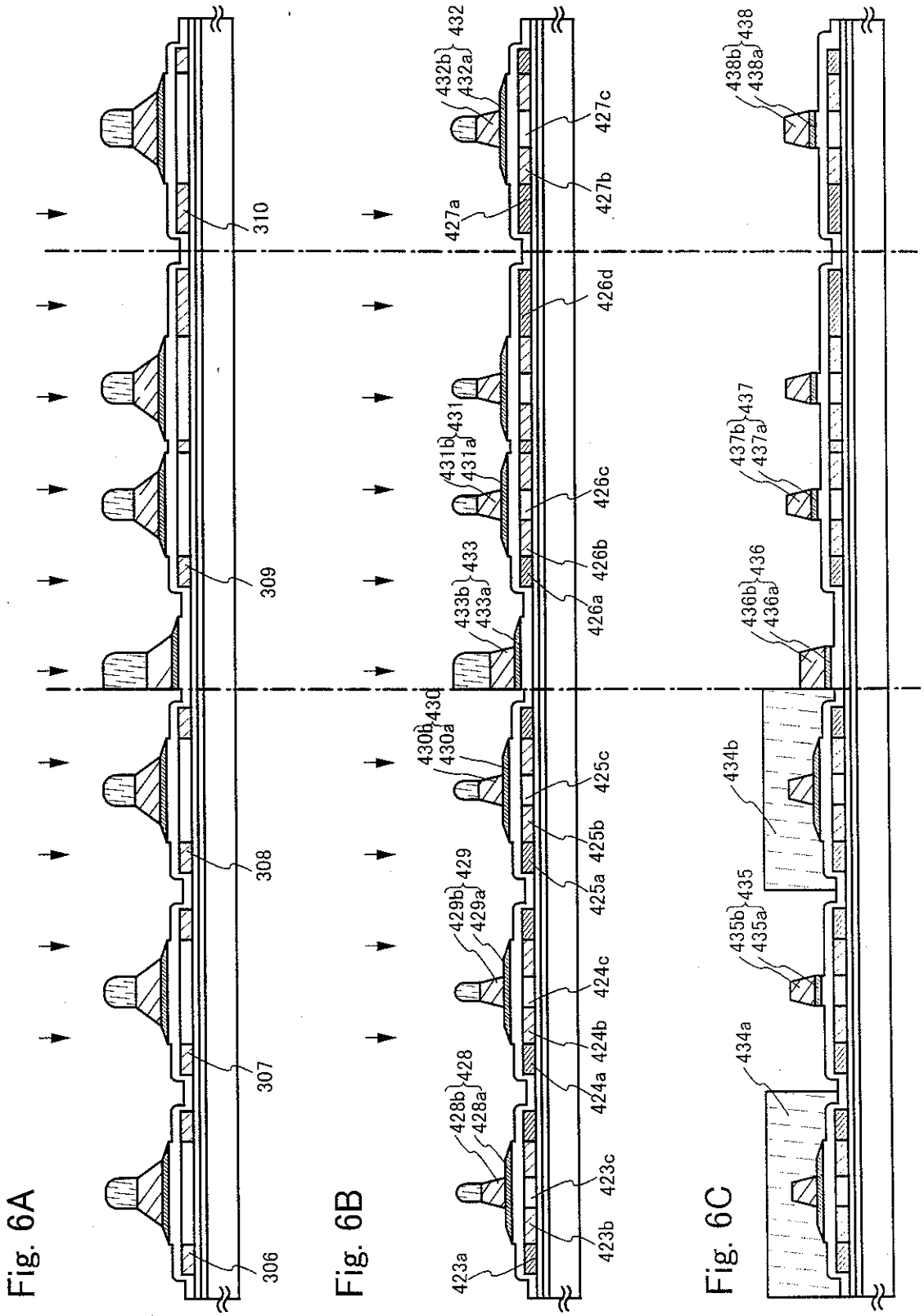
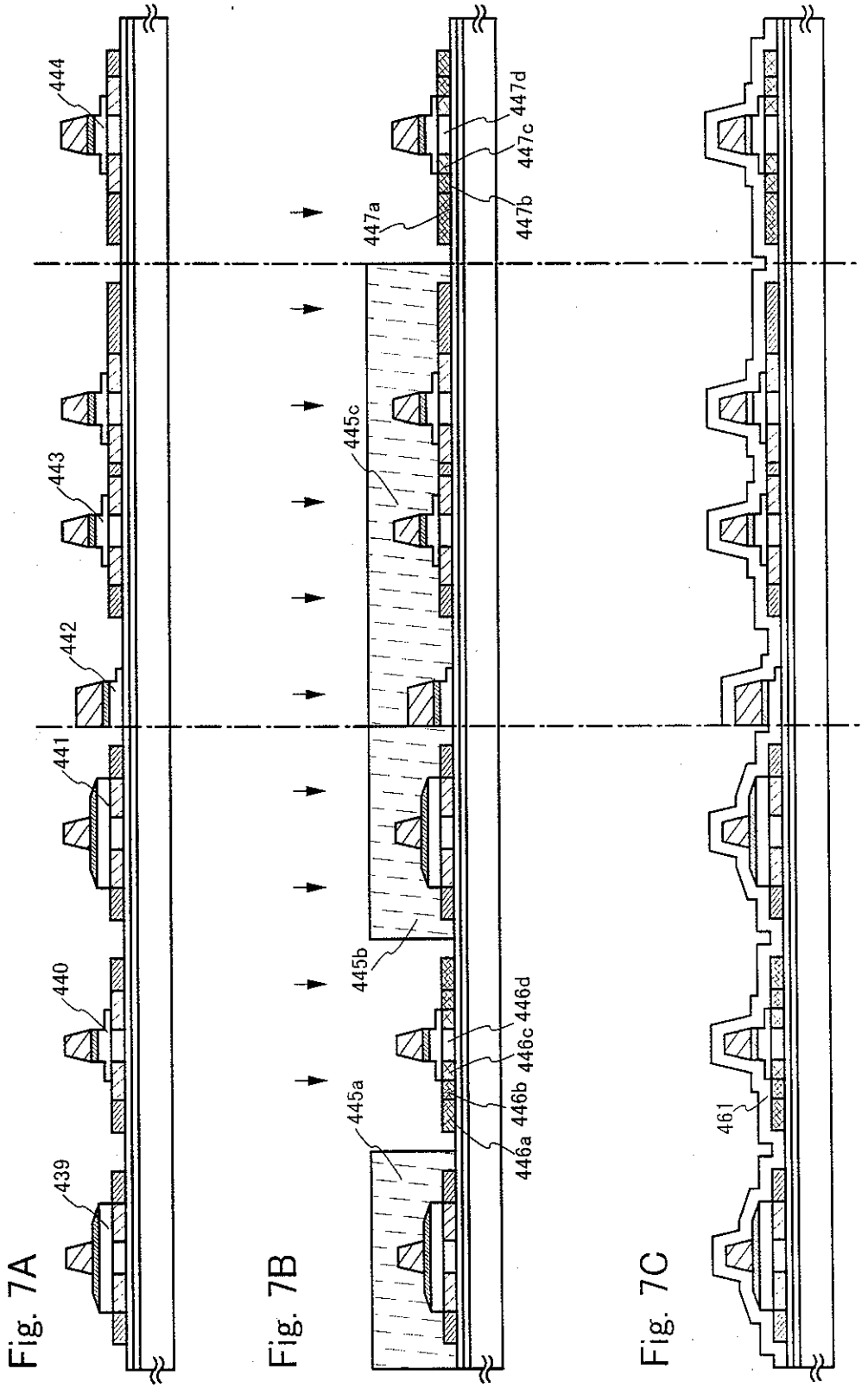



Fig. 4D formation of semiconductor film



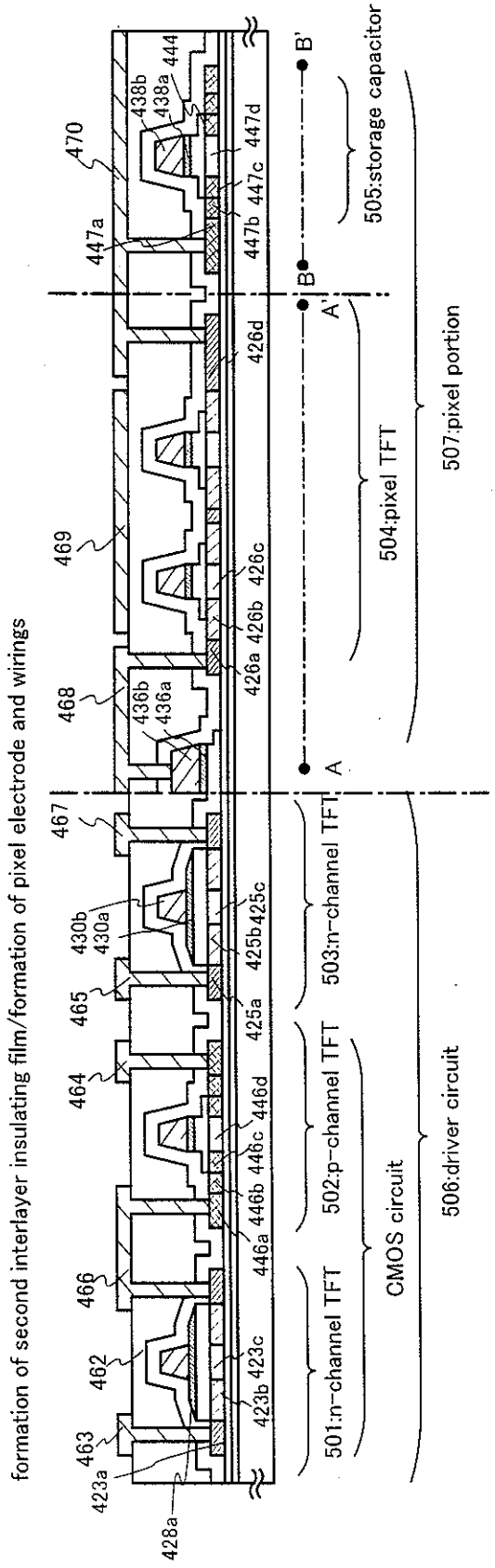

Fig. 5A
322
320
321b
321a
321
Fig. 5B
Fig. 5C
402
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Fig. 5D
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417a
417b
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418a
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421a
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422a
422b
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Fig. 6A
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Fig. 6B
423a
423b
423c
424a
424b
424c
425a
425b
425c
426a
426b
426c
426d
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427c
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433a
433b
Fig. 6C
434a
434b
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435a
435b
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438a
438b


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443
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Fig. 7A
447a
447b
447c
447d
445c
445b
446d
446c
446b
446a
445a
Fig. 7B
461
Fig. 7C

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Fig. 8



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Fig. 9

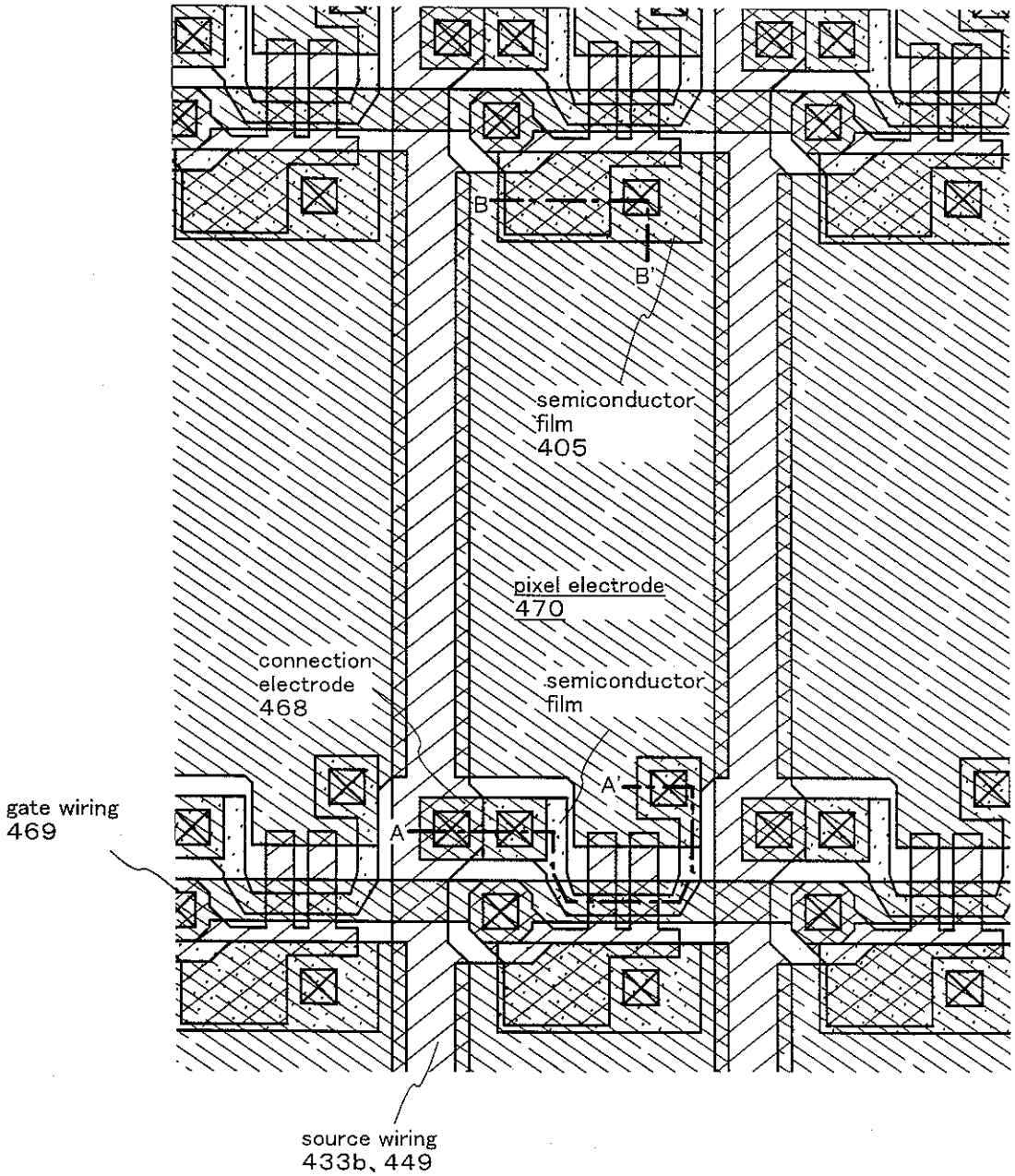


Fig. 10

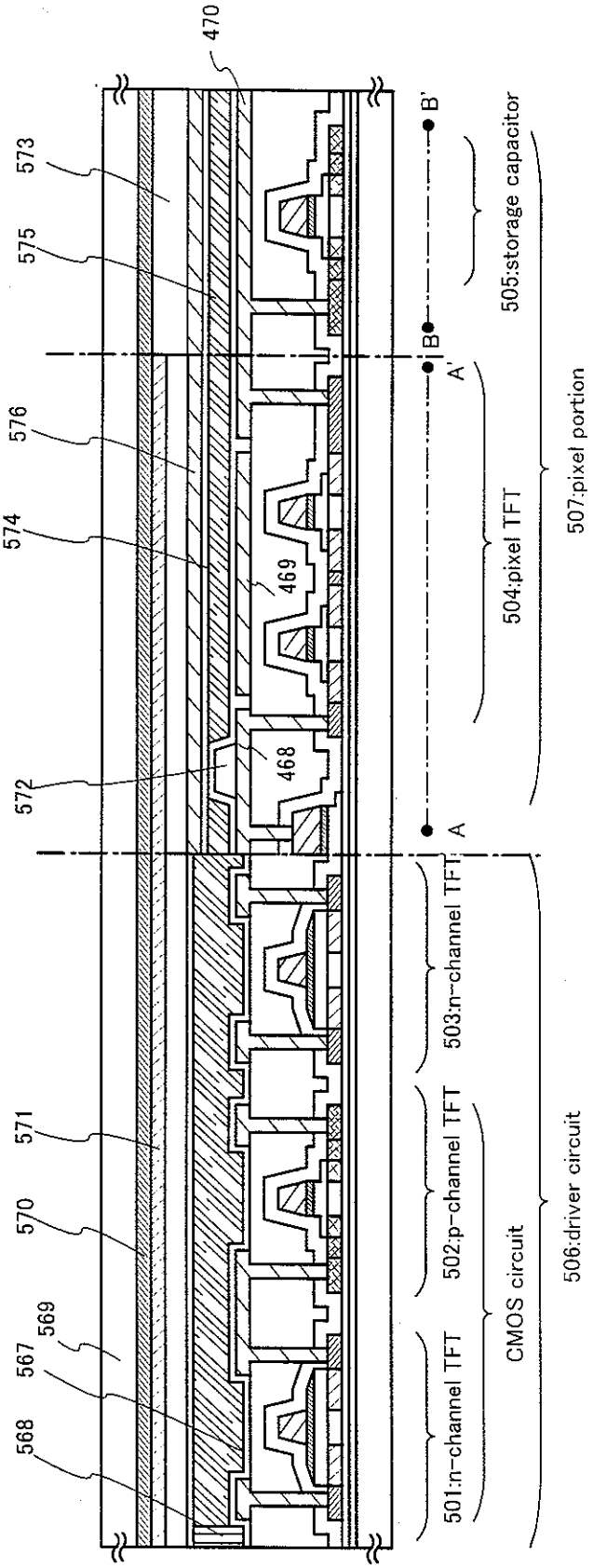

470
573
575
576
574
469
468
572
571
570
569
567
568
B'
B
A'
A
505:storage capacitor
504:pixel TFT
507:pixel portion
503:n-channel TFT
502:p-channel TFT
501:n-channel TFT
CMOS circuit
506:driver circuit

Fig. 11

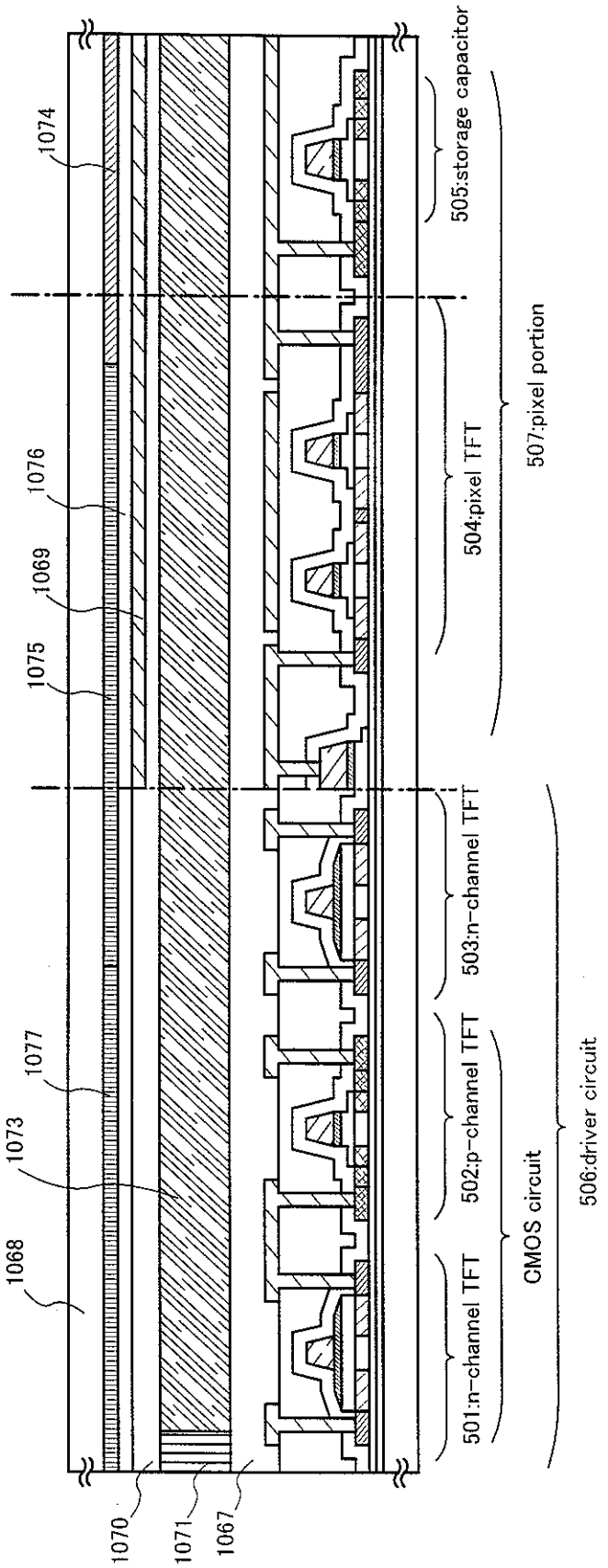

1074
1076
1069
1075
1077
1073
1068
1070
1071
1067
505:storage capacitor
504:pixel TFT
507:pixel portion
503:n-channel TFT
502:p-channel TFT
501:n-channel TFT
CMOS circuit
506:driver circuit

Fig. 12

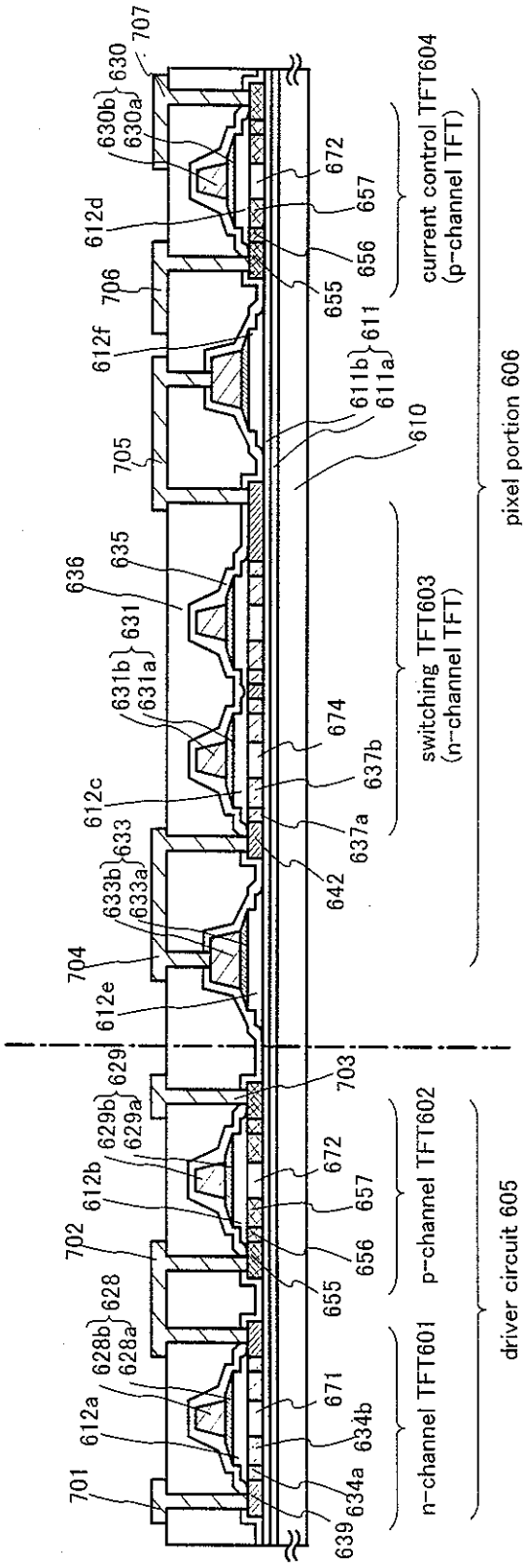
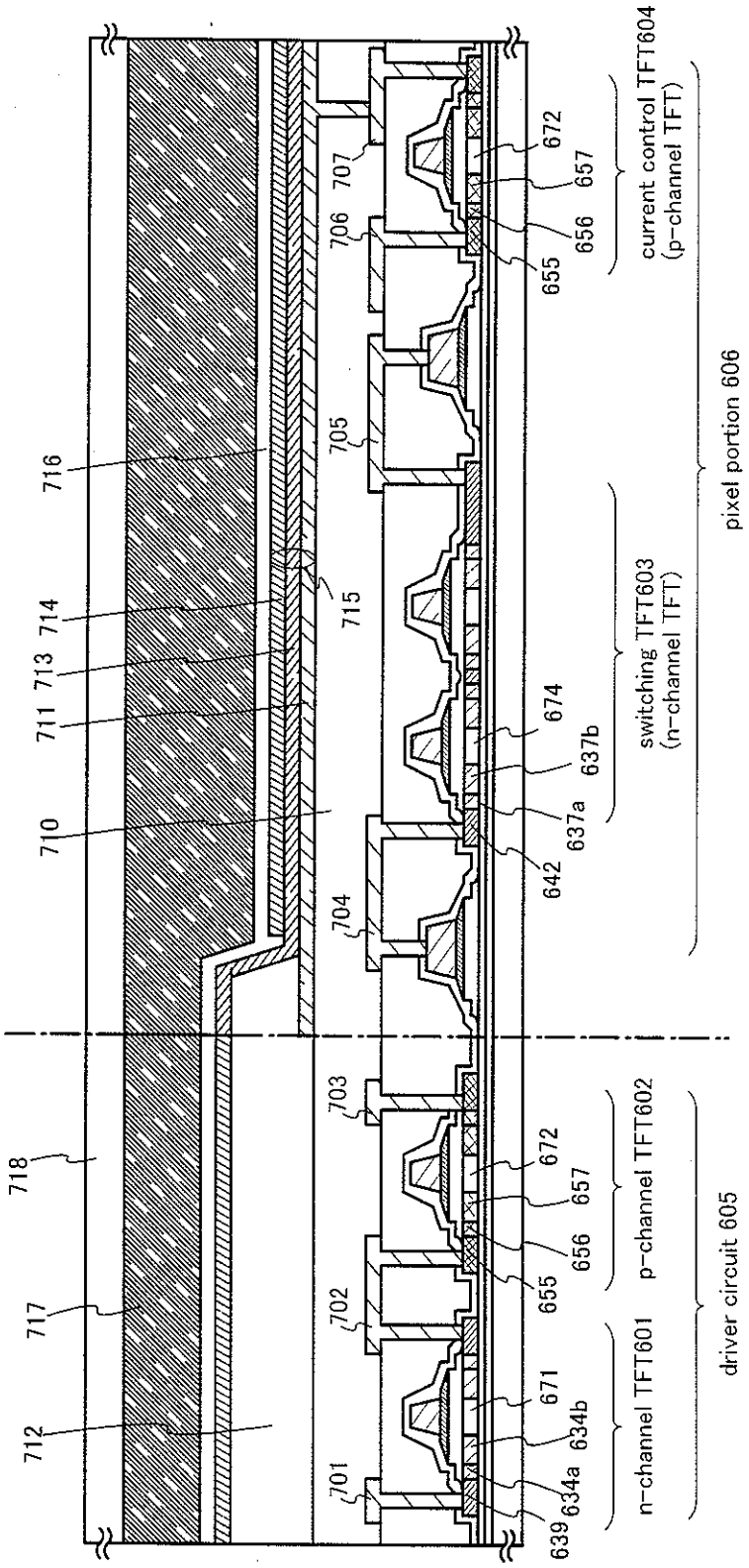

n-channel TFT601
p-channel TFT602
driver circuit 605
switching TFT603
(n-channel TFT)
current control TFT604
(p-channel TFT)
pixel portion 606
701
702
703
704
705
706
707
610
611
611a
611b
612a
612b
612c
612d
612e
612f
628
628a
628b
629
629a
629b
630
630a
630b
631
631a
631b
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634b
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637a
637b
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Fig. 13


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634a
634b
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656
657
672
642
637a
637b
674
n-channel TFT601
p-channel TFT602
driver circuit 605
switching TFT603
(n-channel TFT)
current control TFT604
(p-channel TFT)
pixel portion 606

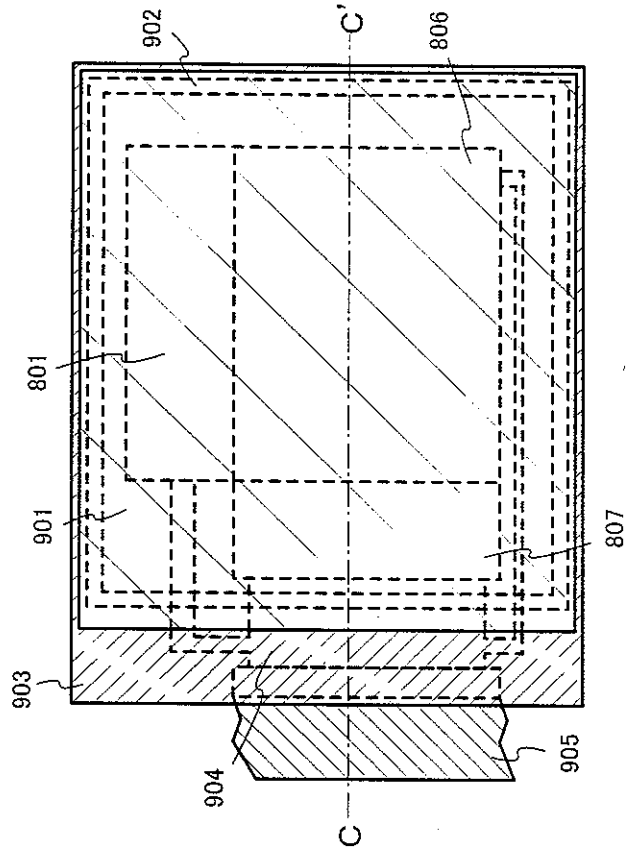



Fig. 14A

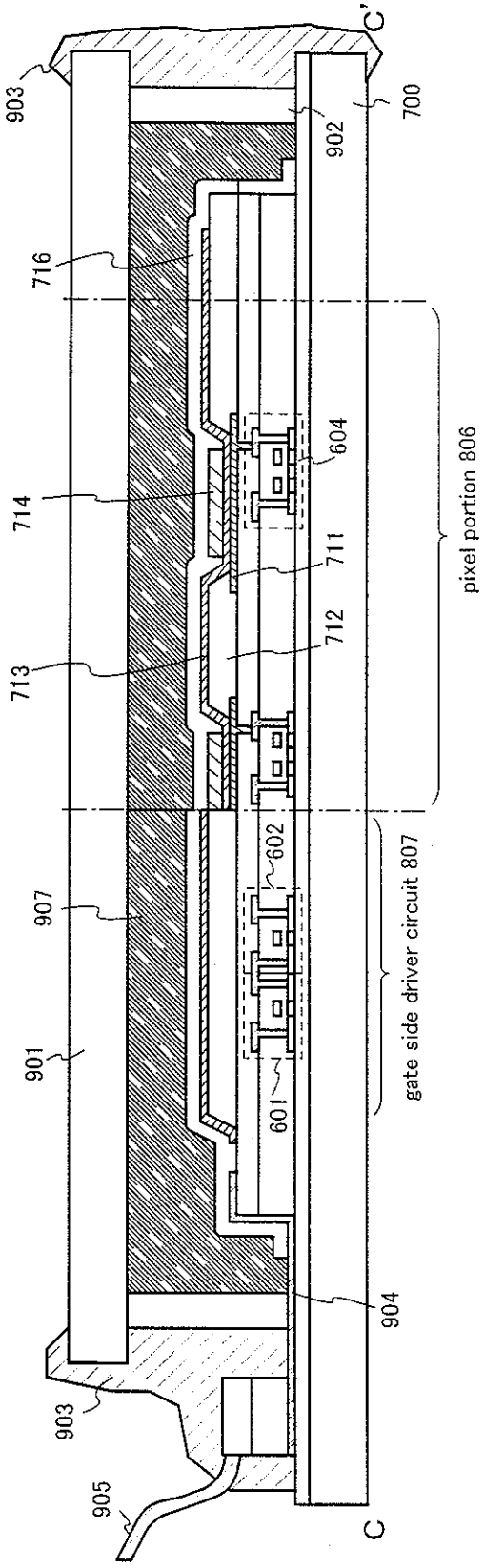



Fig. 14B

Fig. 15

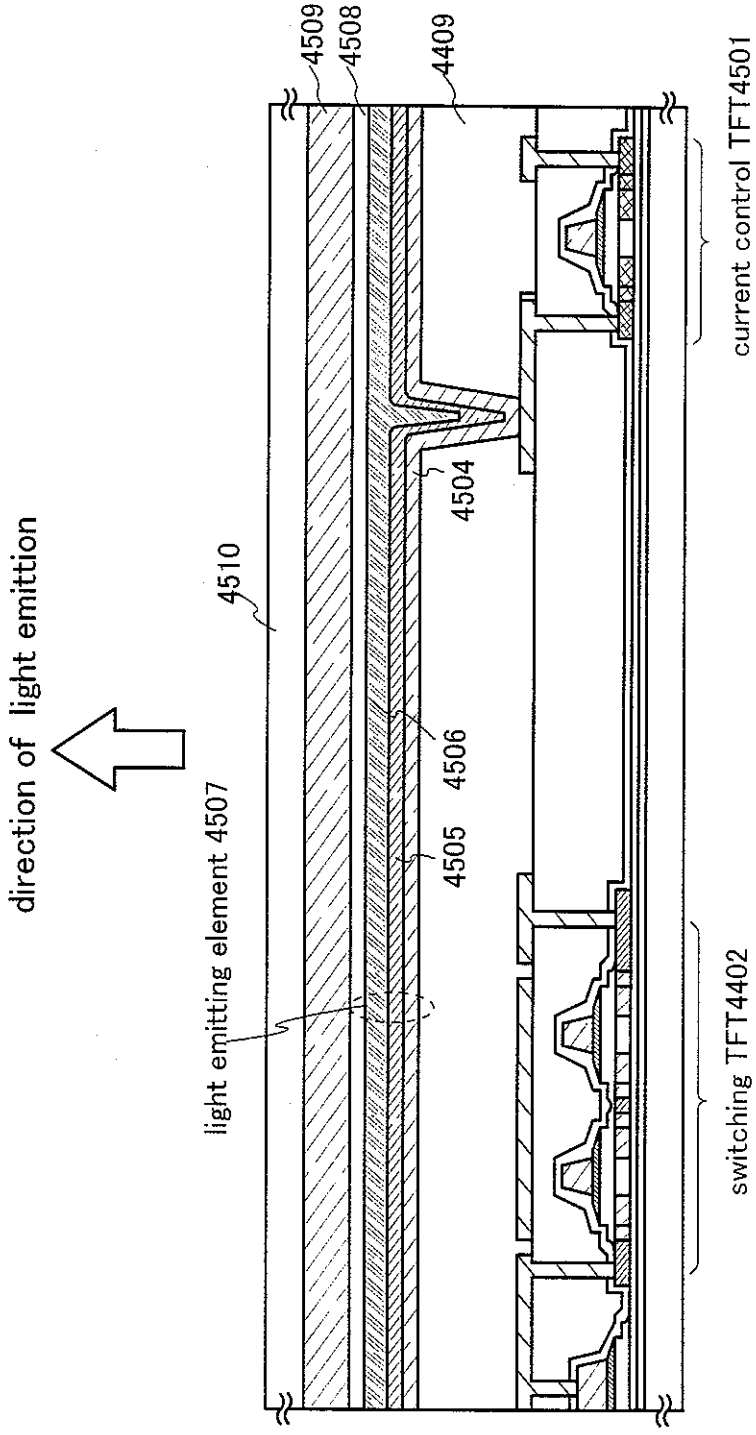

direction of light emittion
light emitting element 4507
4510
4509
4508
4409
4504
4506
4505
current control TFT4501
switching TFT4402

Fig. 16A

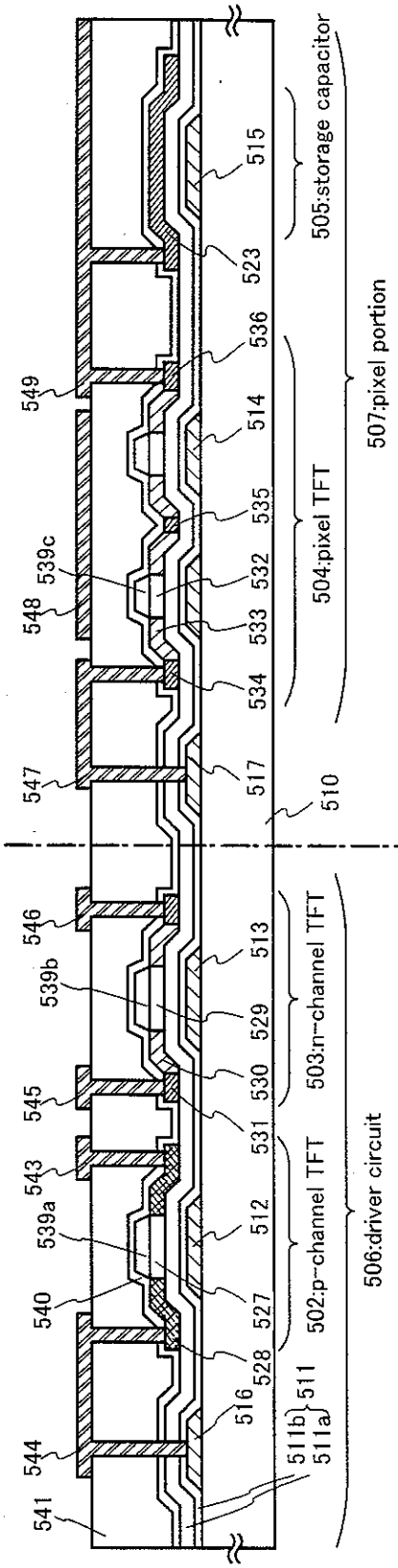



Fig. 16B

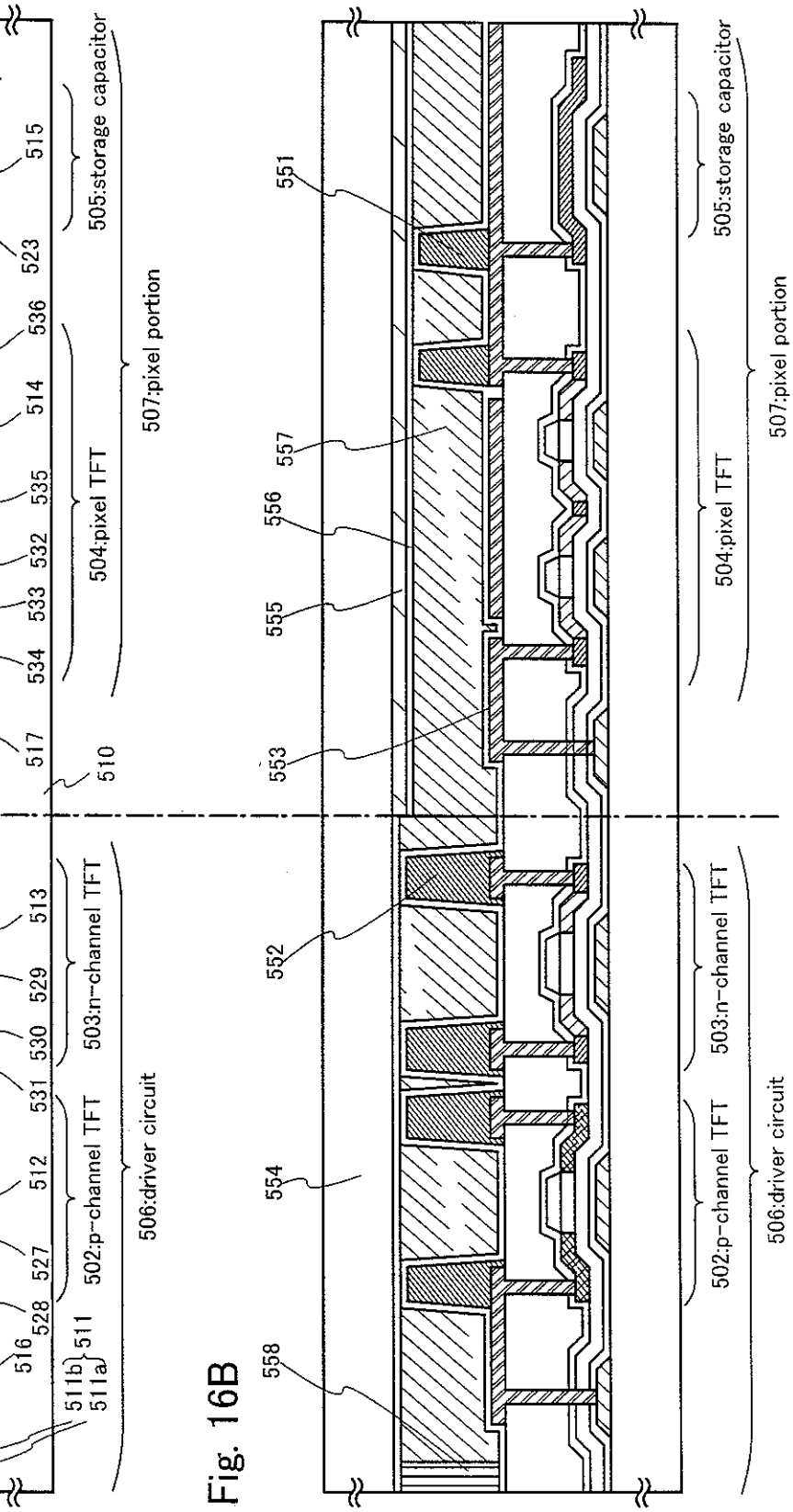
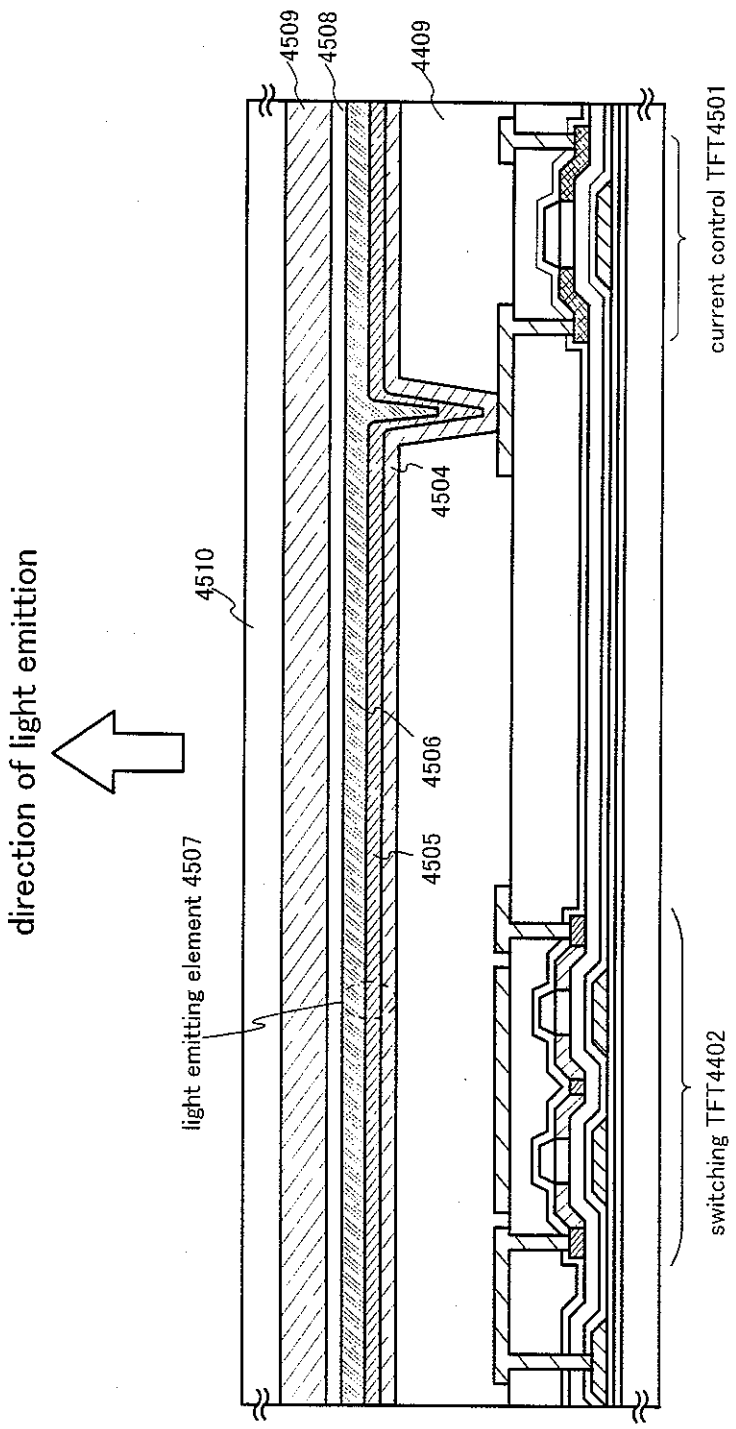


Fig. 17


direction of light emittion
4509
4508
4409
4510
4504
4506
4505
light emitting element 4507
current control TFT4501
switching TFT4402

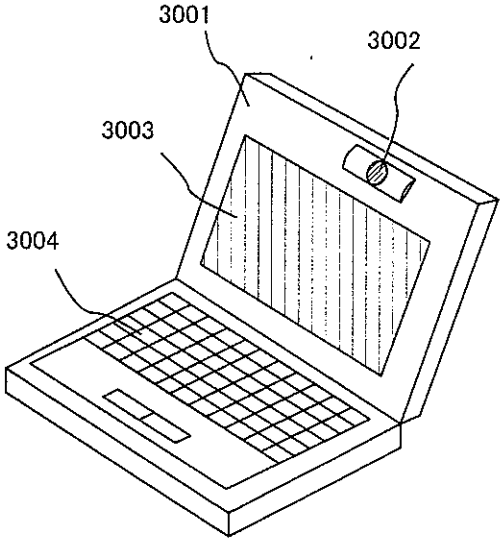



Fig. 18A

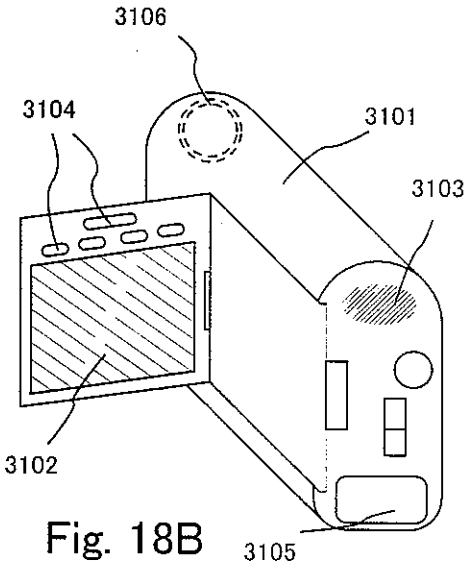



Fig. 18B

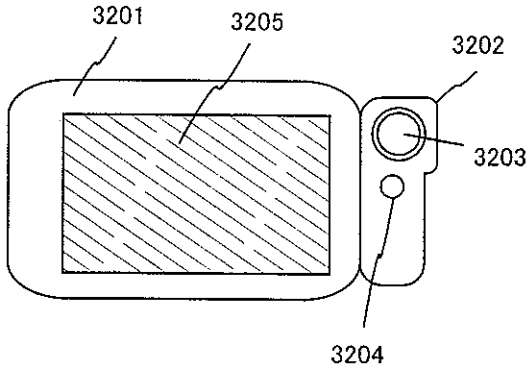



Fig. 18C

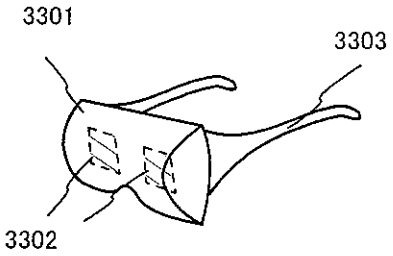



Fig. 18D

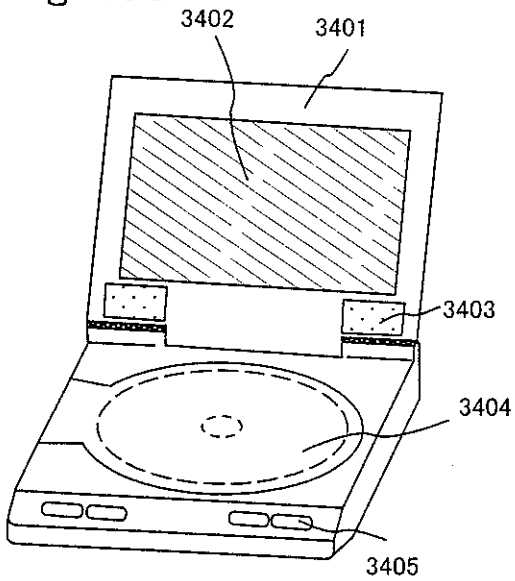



Fig. 18E

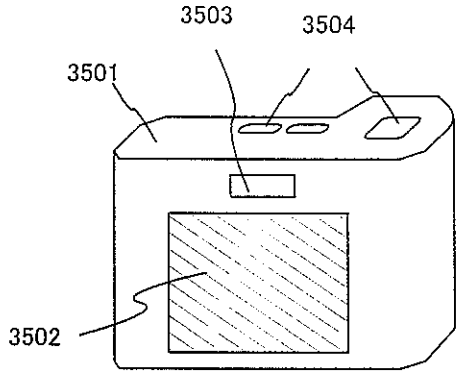



Fig. 18F

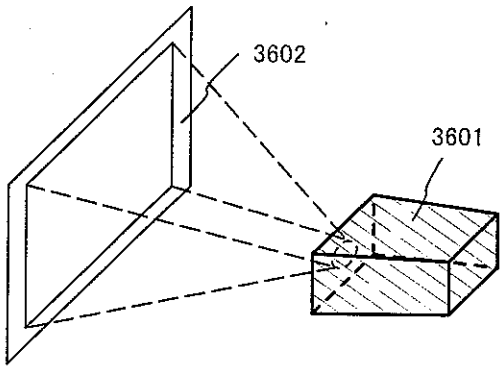



Fig. 19A

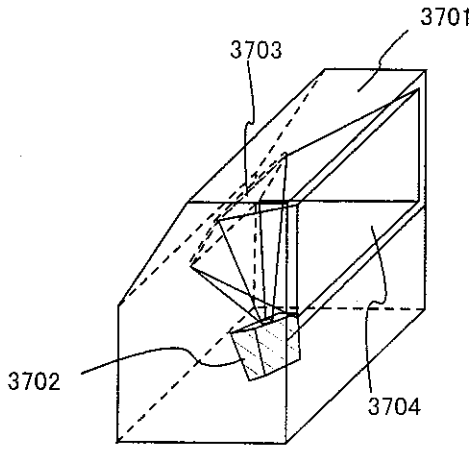



Fig. 19B

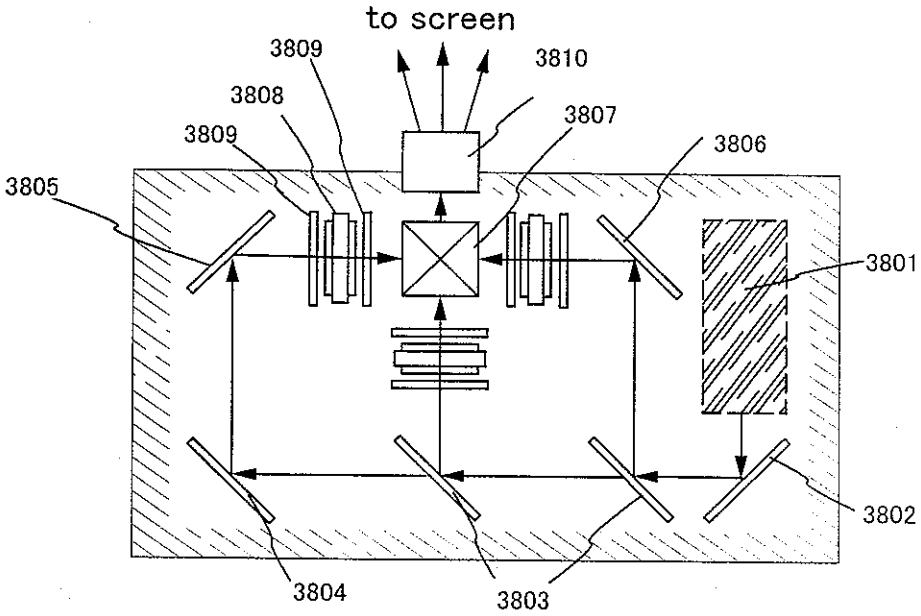



Fig. 19C

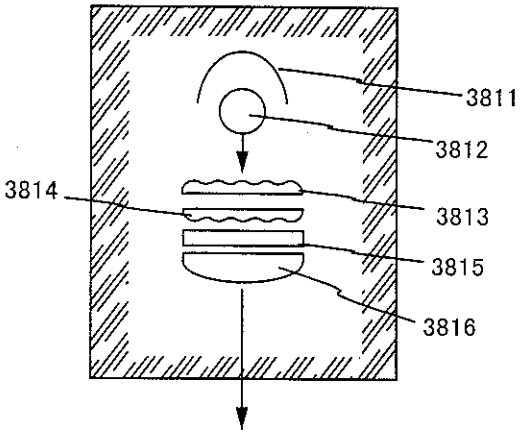



Fig. 19D

Fig. 20A

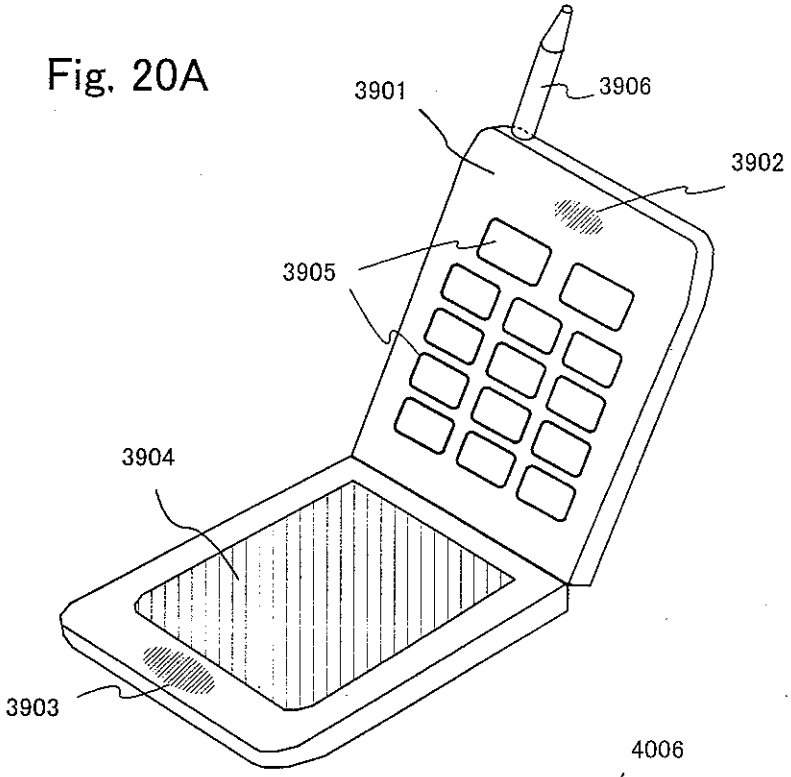



Fig. 20B

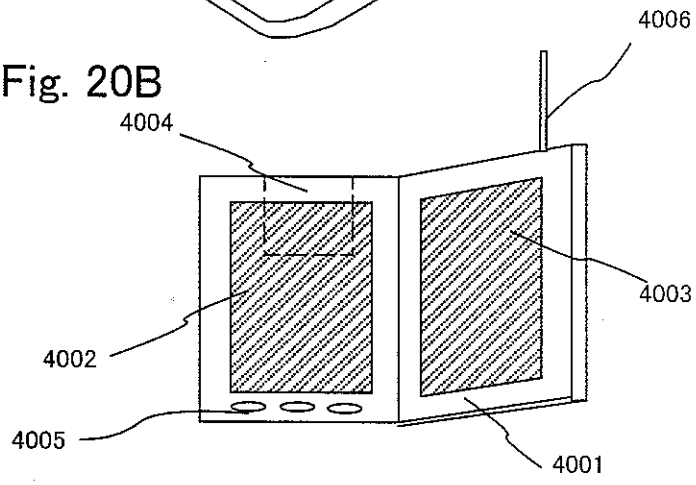



Fig. 20C

