A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

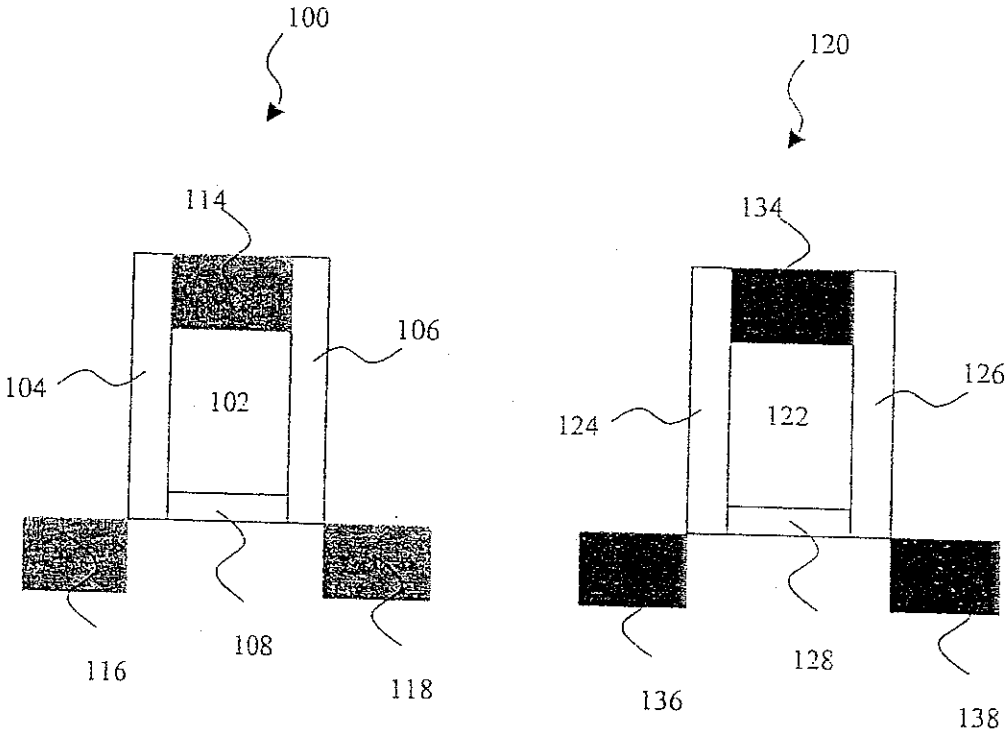


Fig. 1

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION 200

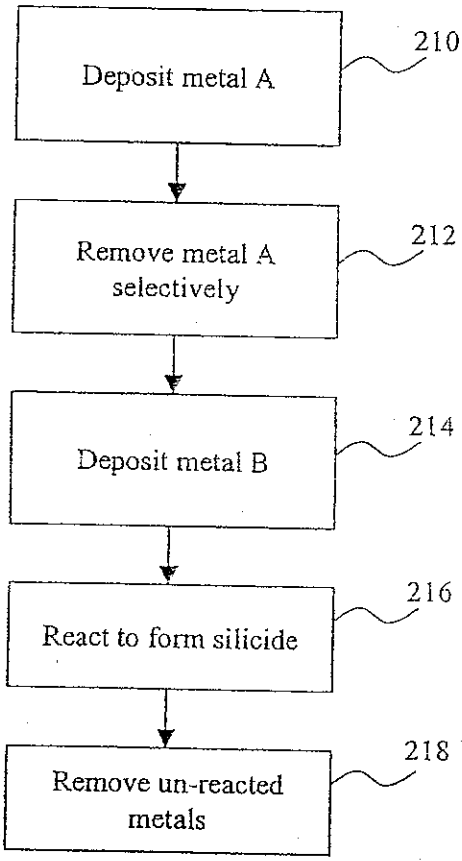


Fig. 2a

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

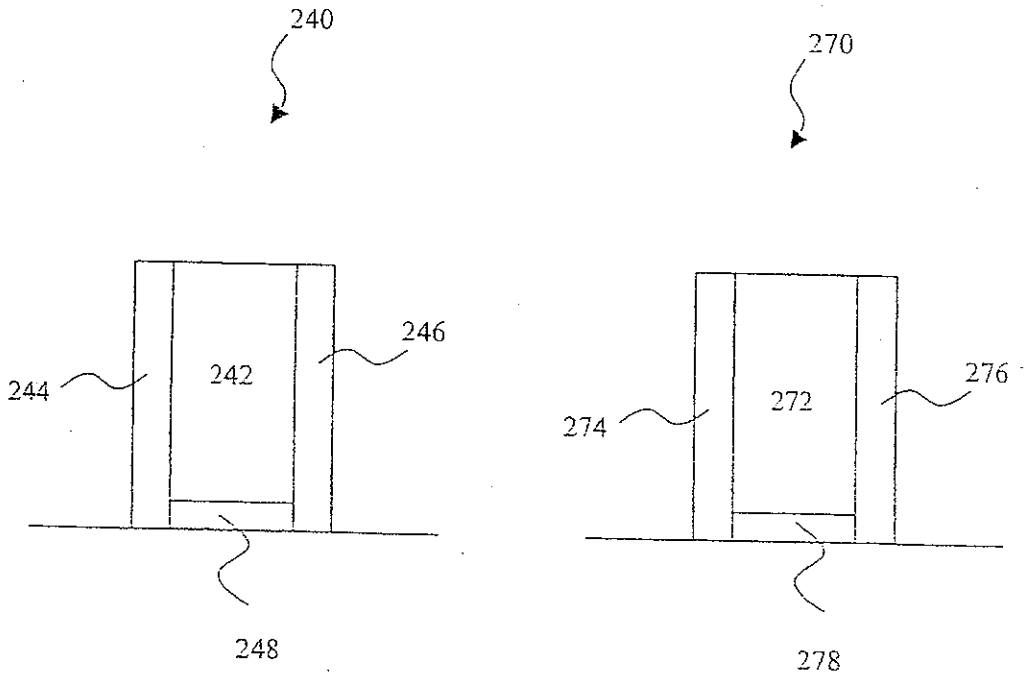


Fig. 2b

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

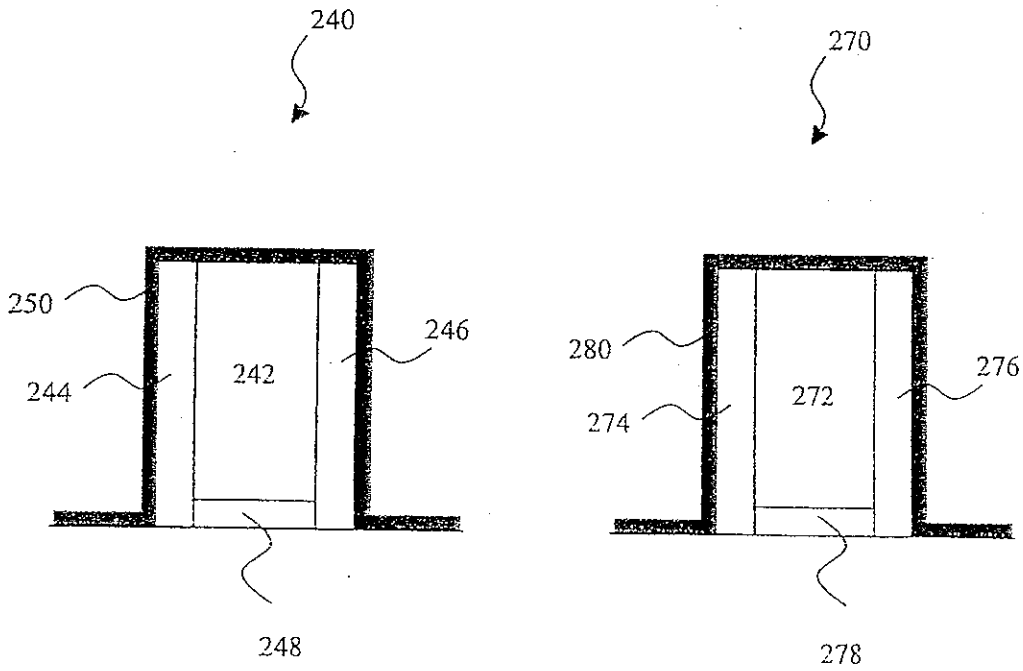


Fig. 2c

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

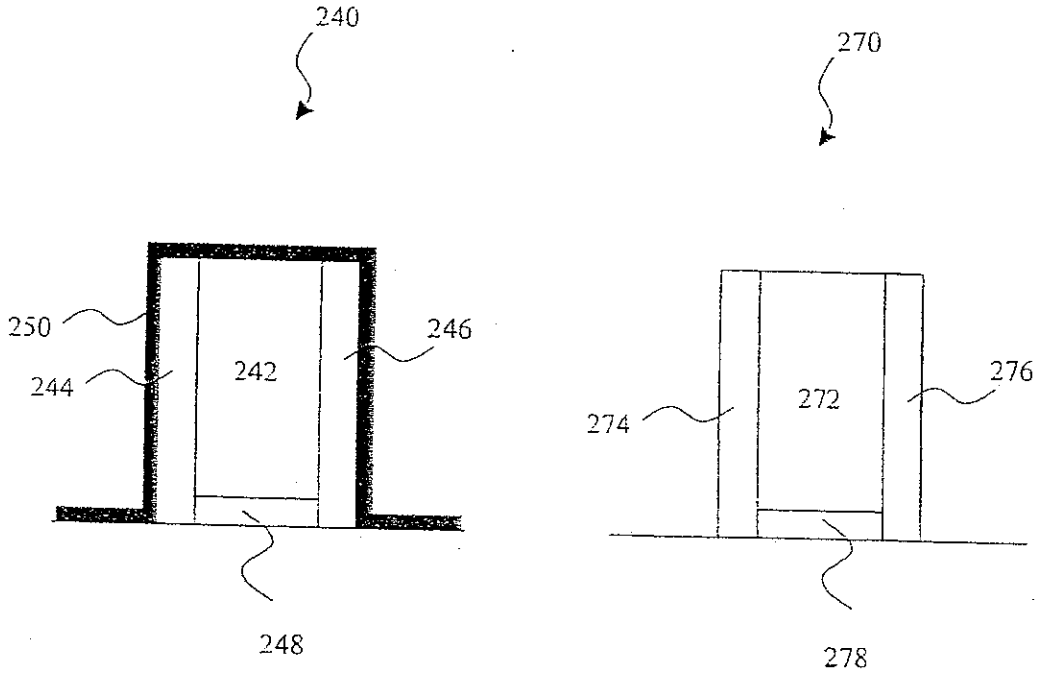


Fig. 2d

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

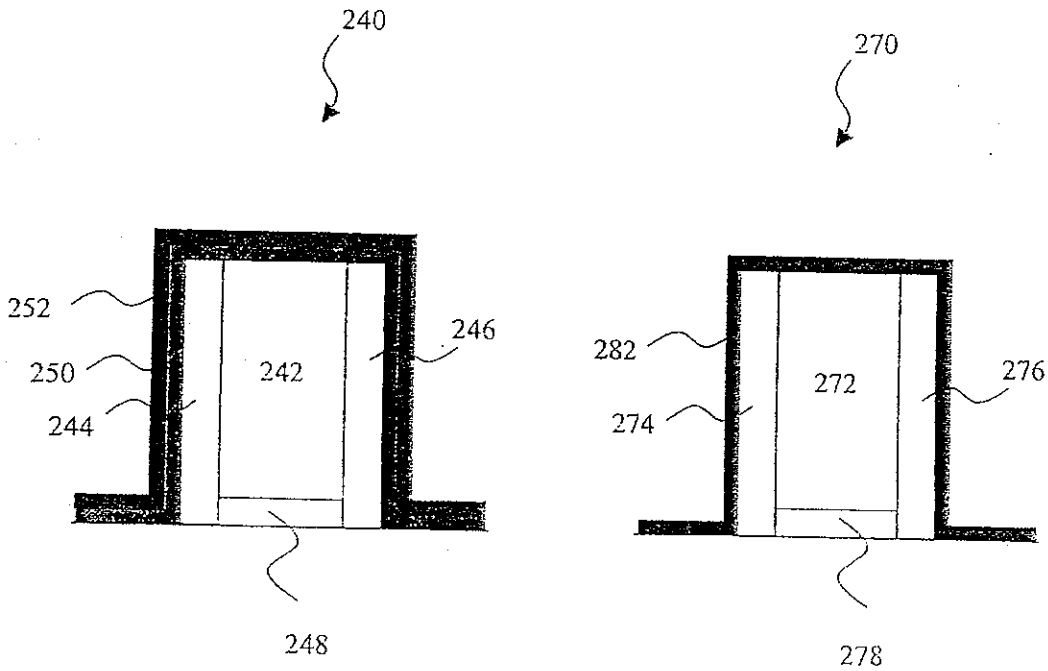


Fig. 2e

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

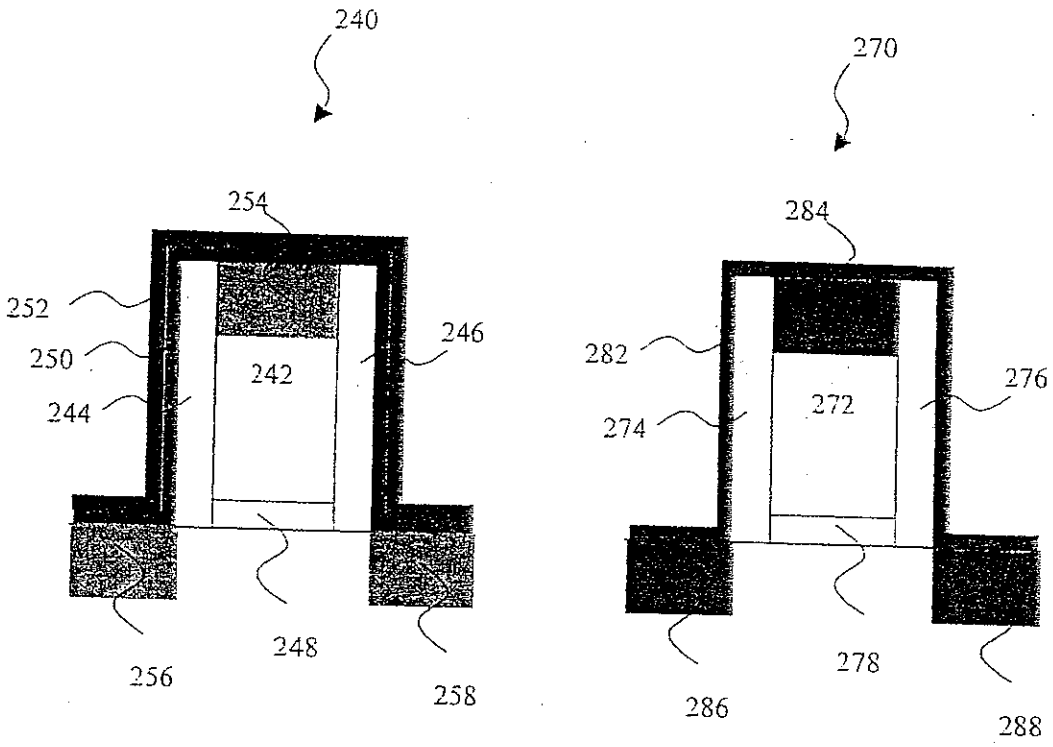


Fig. 2f

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

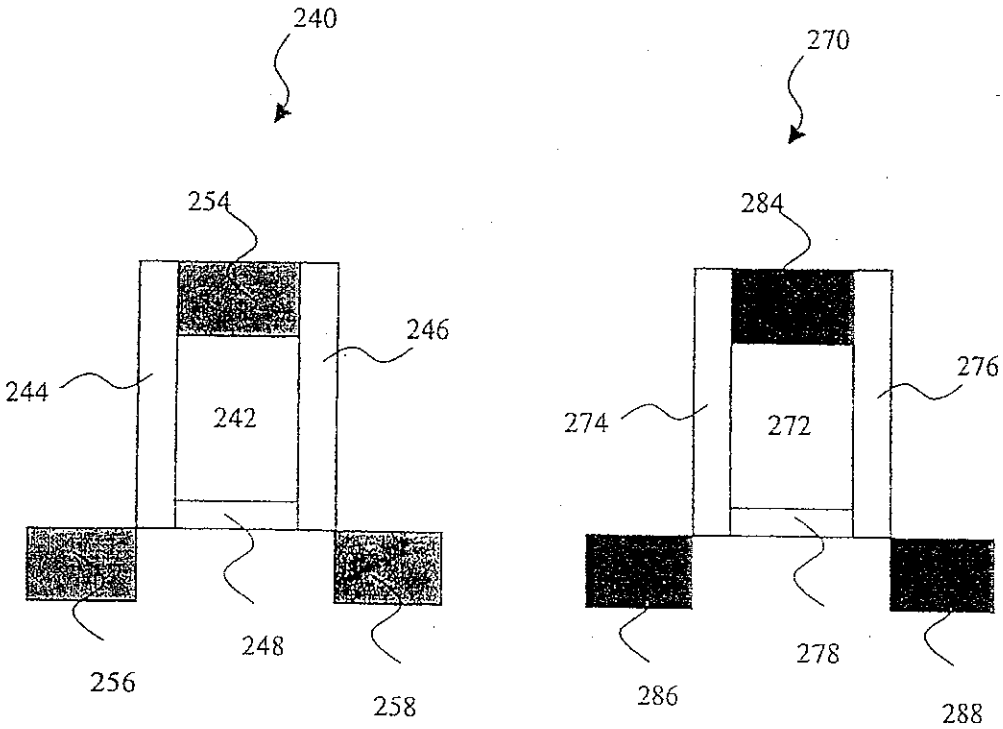


Fig. 2g

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION 300

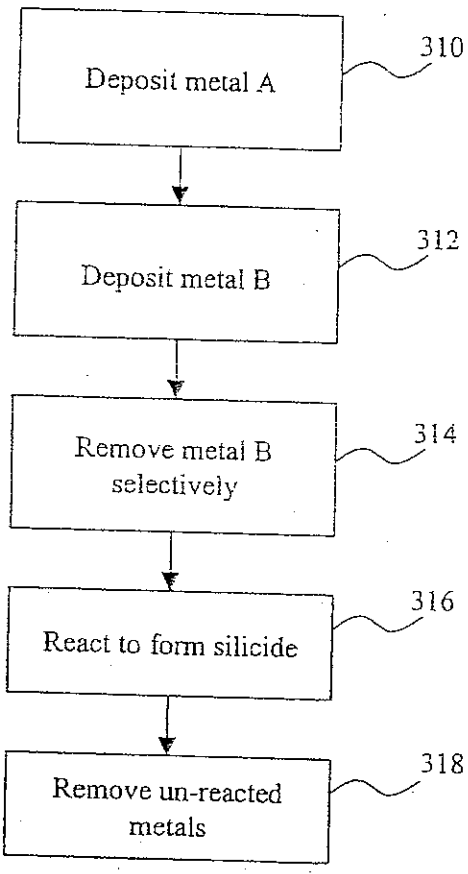


Fig. 3a

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

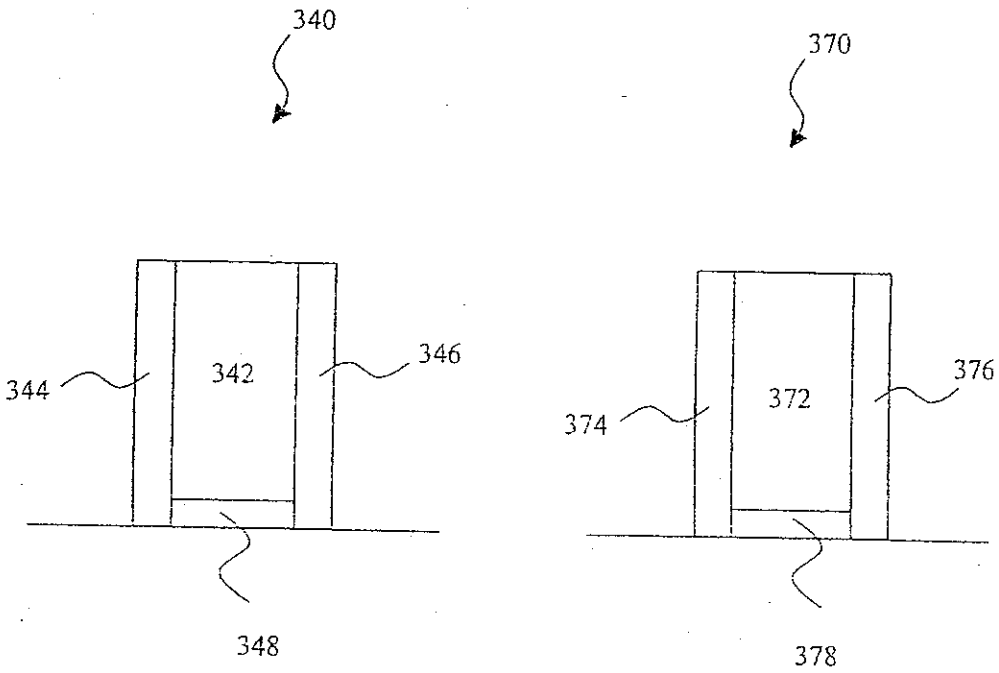


Fig. 3b

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

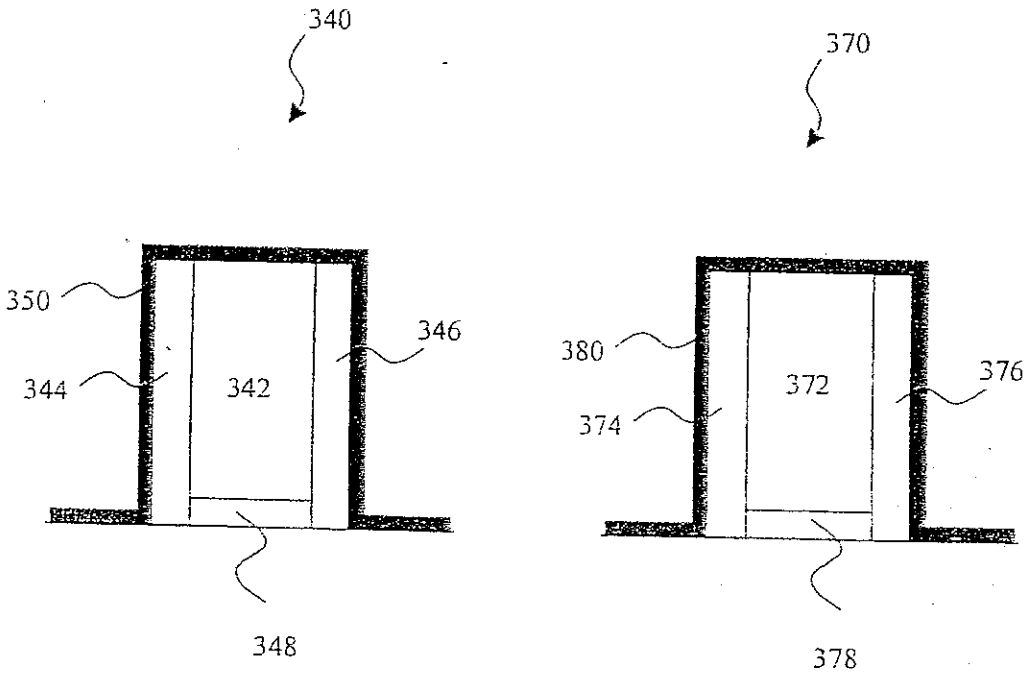


Fig. 3c

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

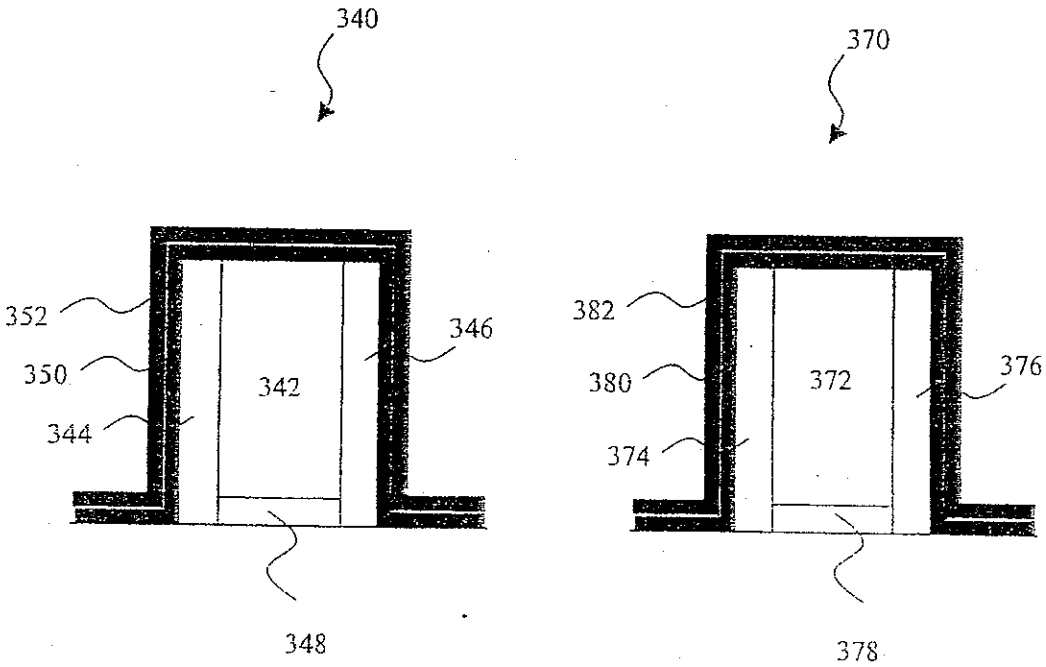


Fig. 3d

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

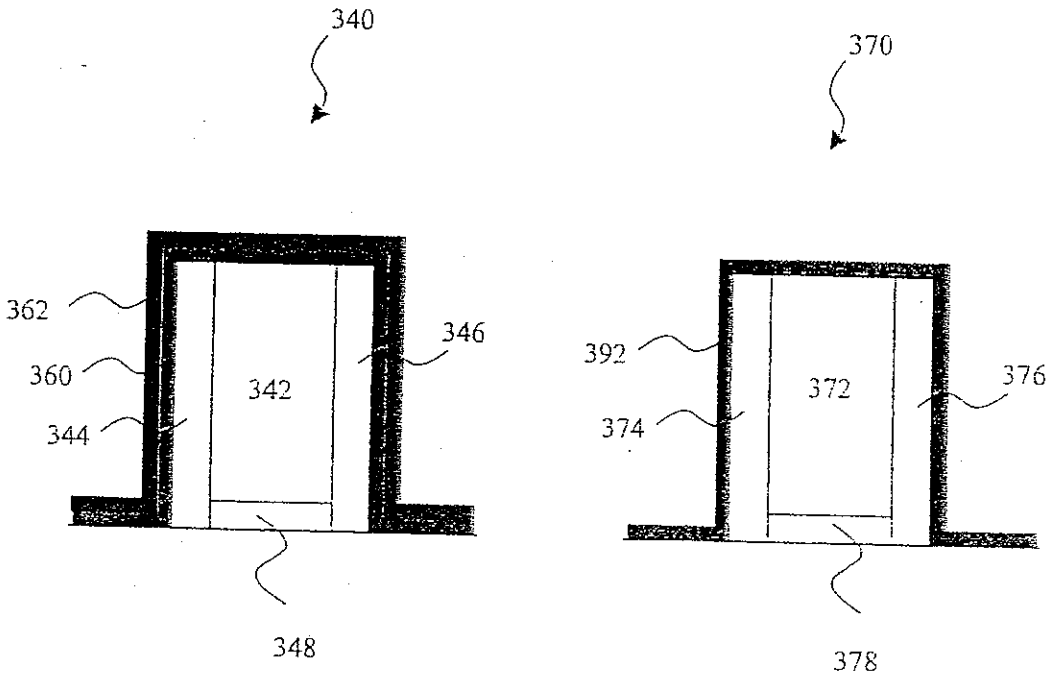


Fig. 3e

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

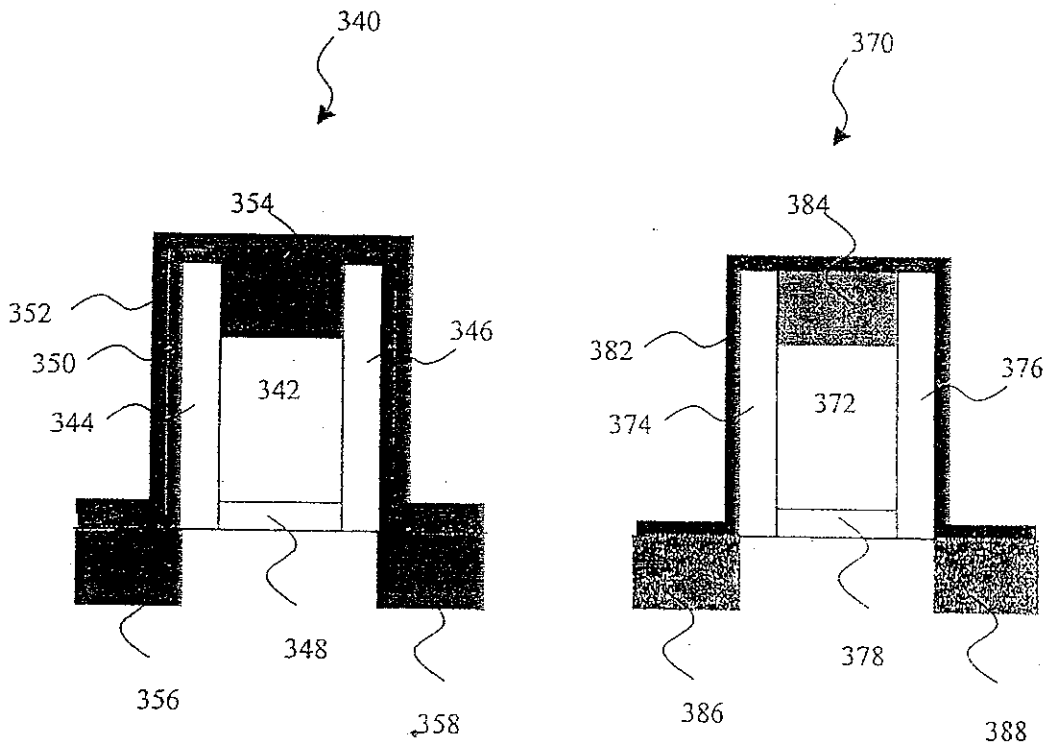


Fig. 3f

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

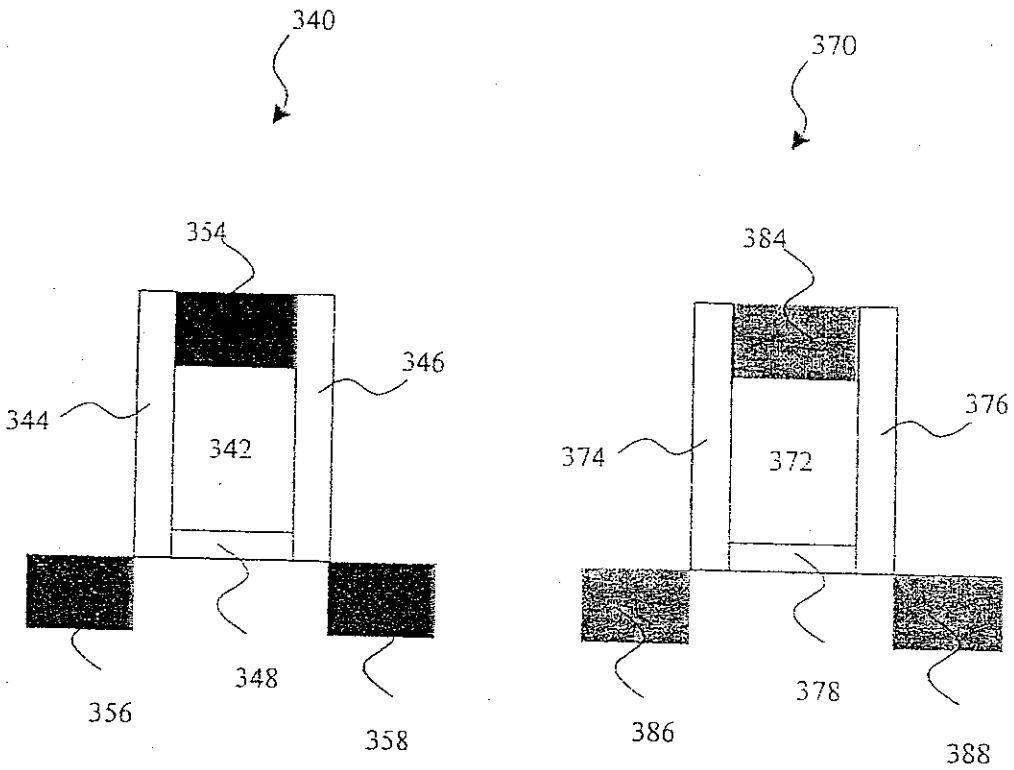


Fig. 3g

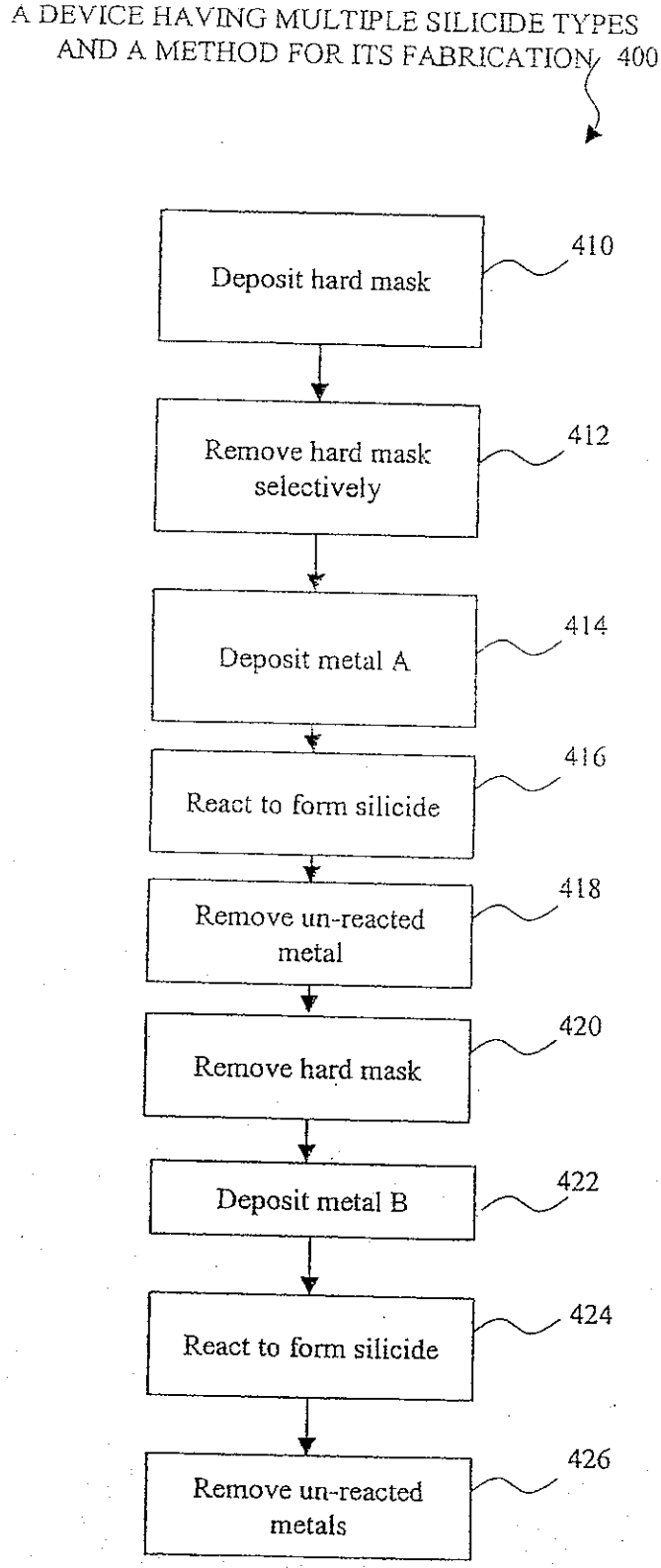

A DEVICE HAVING MULTIPLE SILICIDE TYPES AND A METHOD FOR ITS FABRICATION
400
Deposit hard mask
410
Remove hard mask selectively
412
Deposit metal A
414
React to form silicide
416
Remove un-reacted metal
418
Remove hard mask
420
Deposit metal B
422
React to form silicide
424
Remove un-reacted metals
426

Fig. 4a

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

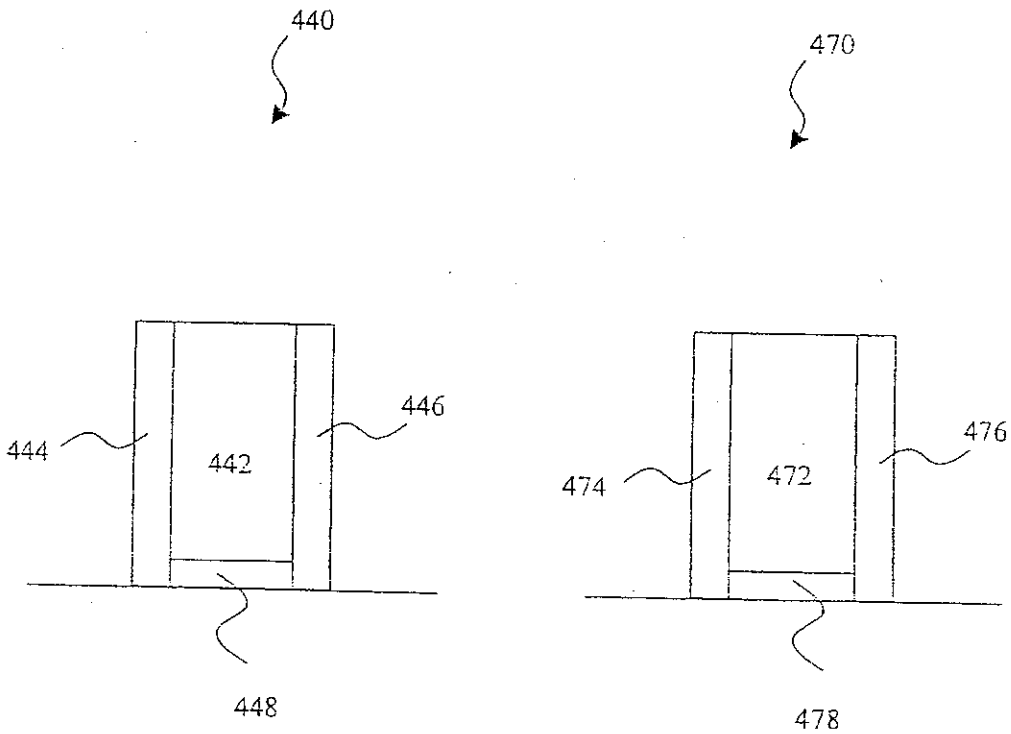


Fig. 4b

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

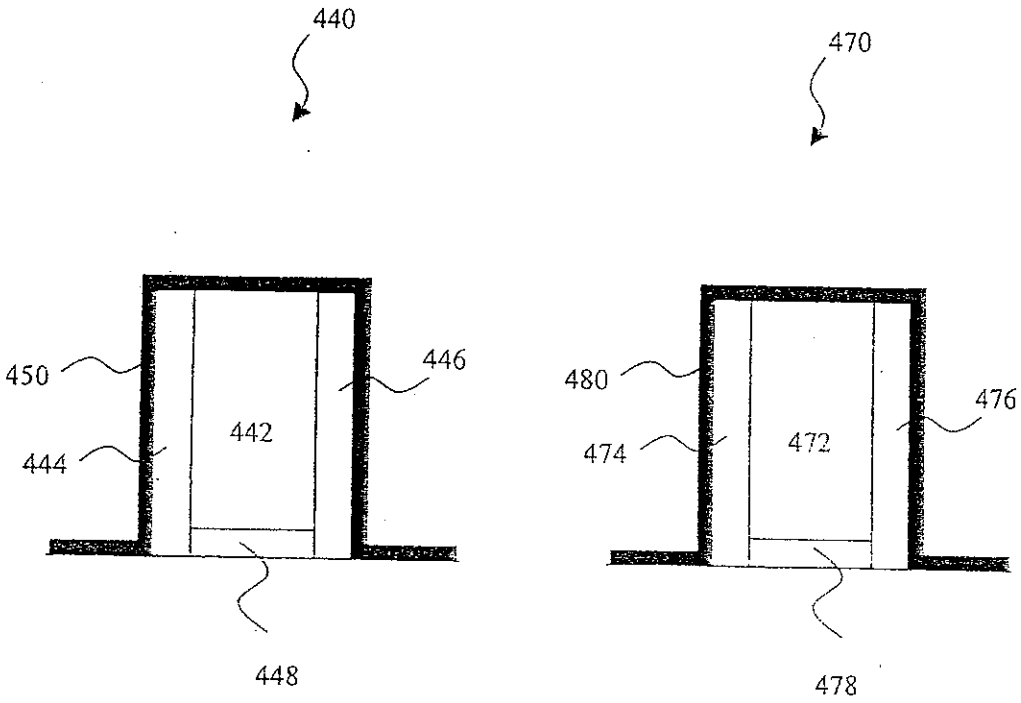


Fig. 4c

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

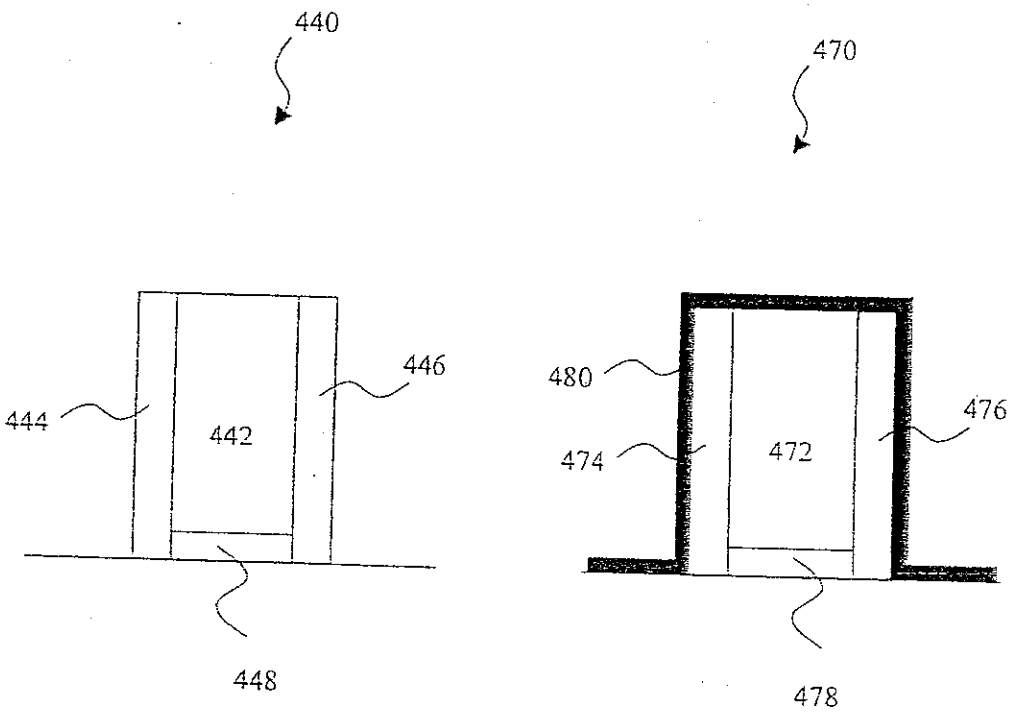


Fig. 4d

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

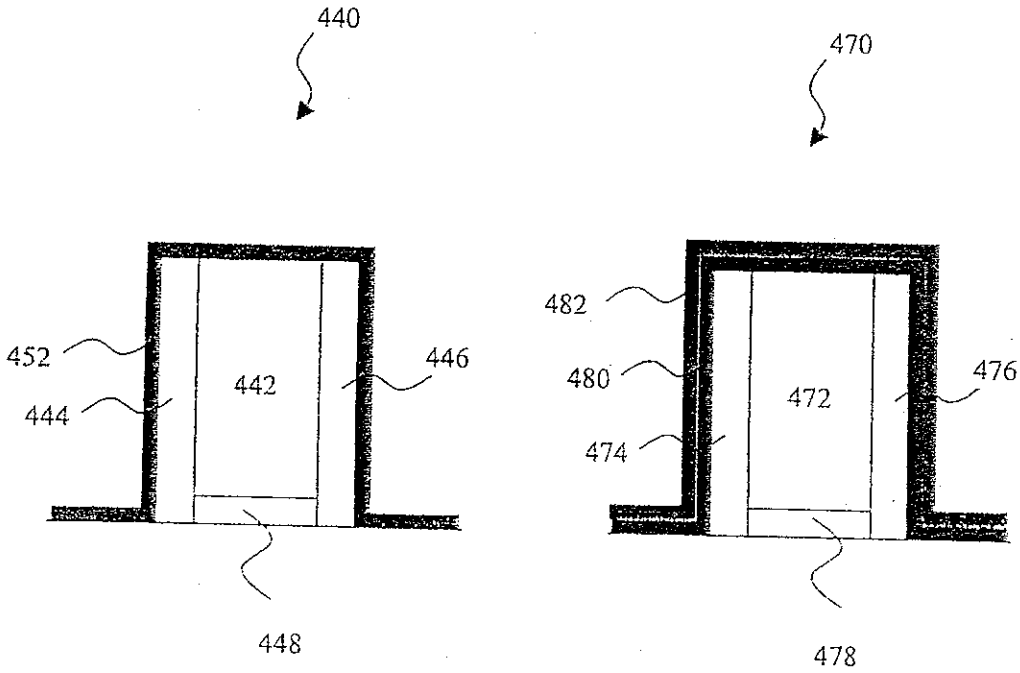


Fig. 4e

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

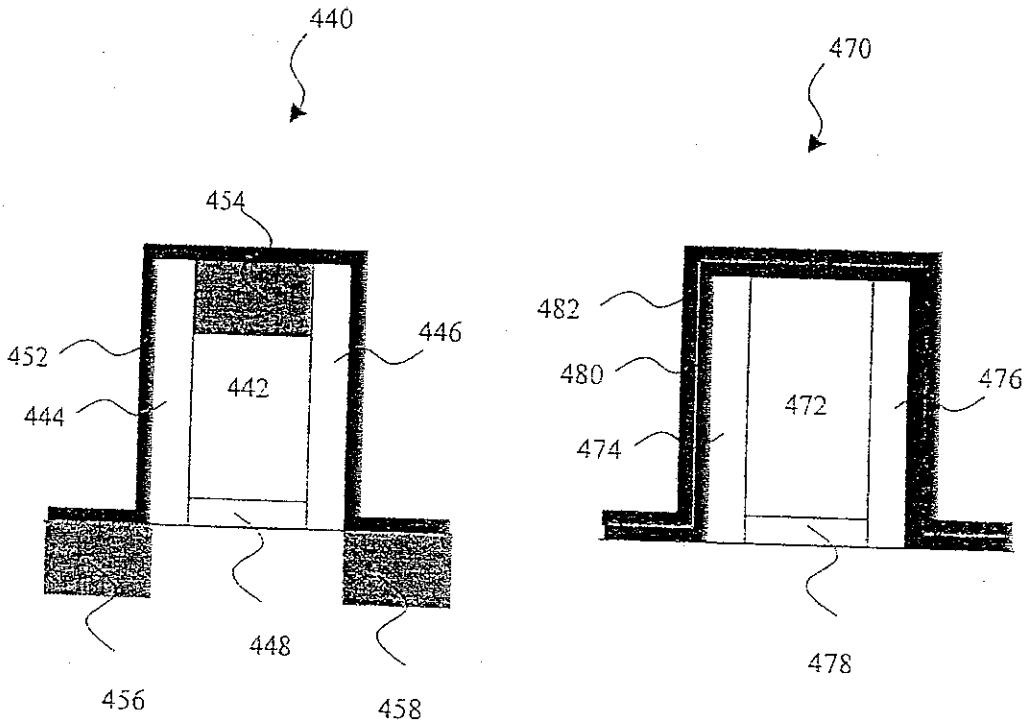


Fig. 4f

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

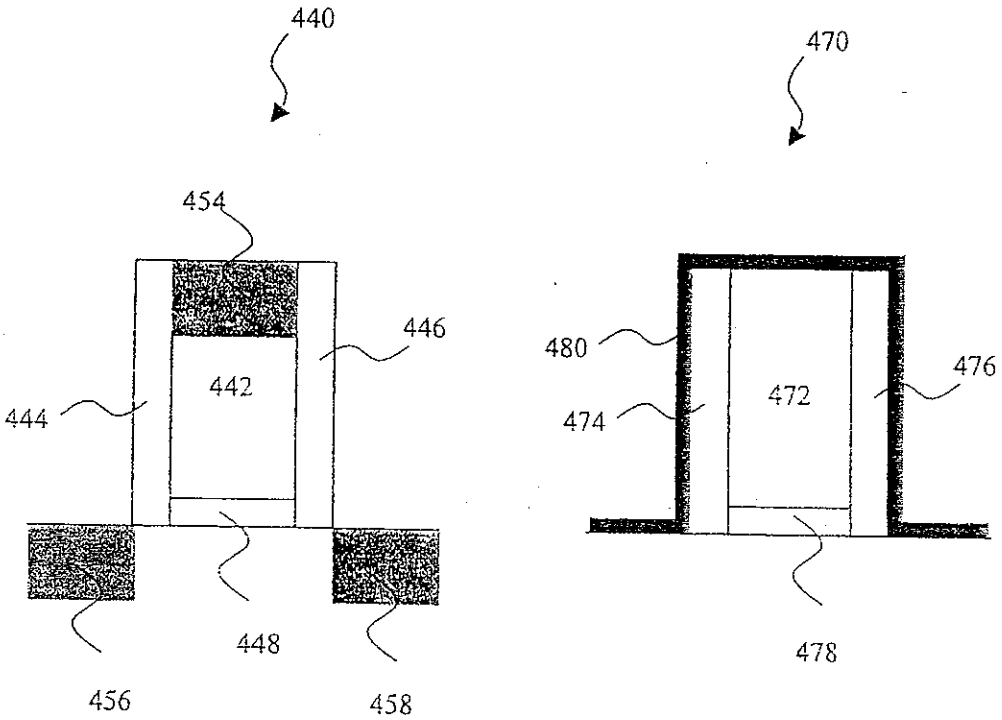


Fig. 4g

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

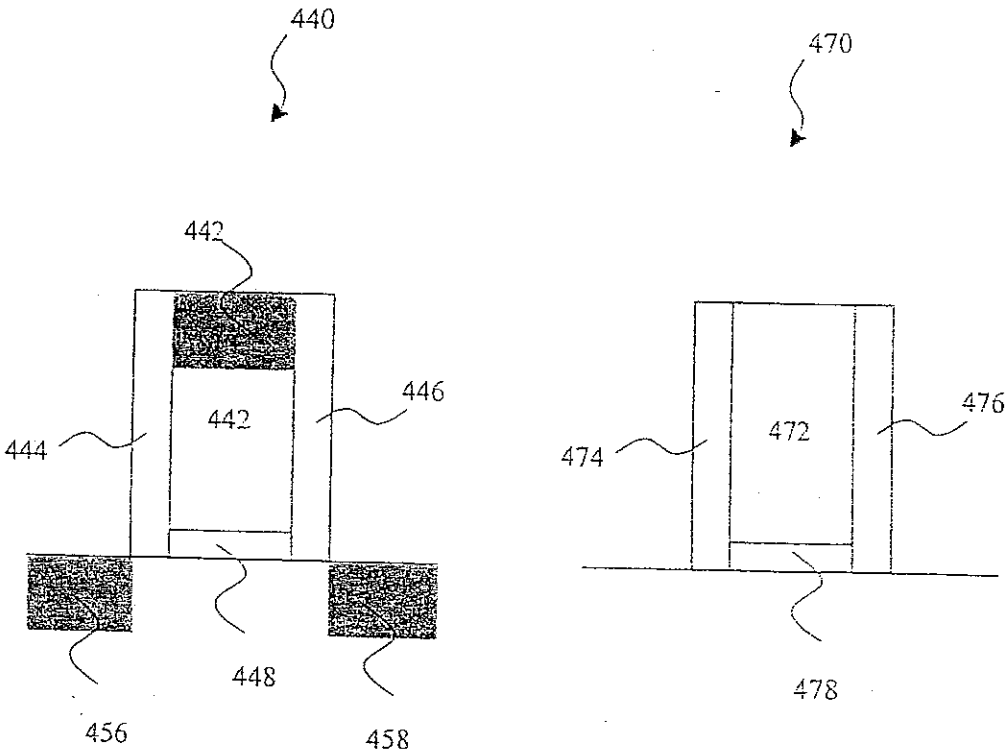


Fig. 4h

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

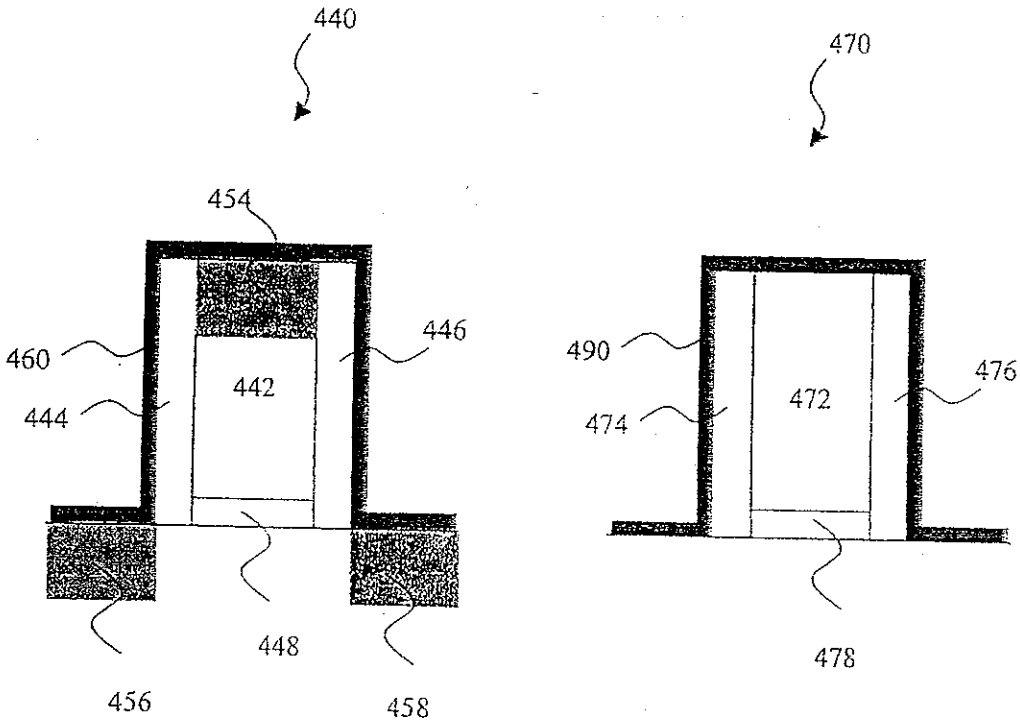


Fig. 4i

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

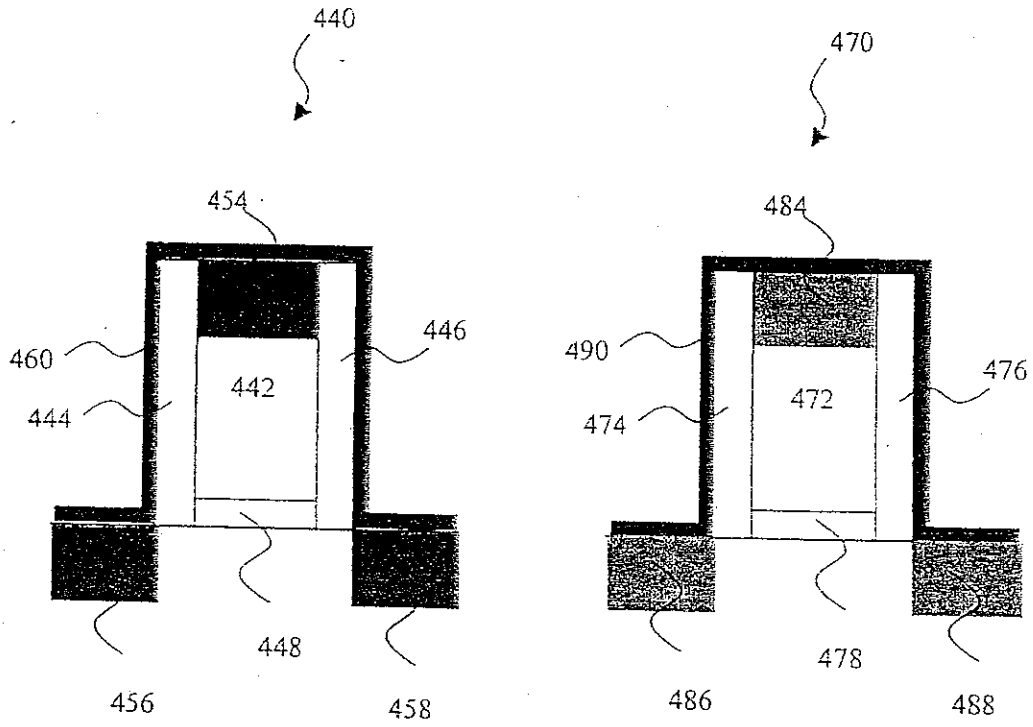


Fig. 4j

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

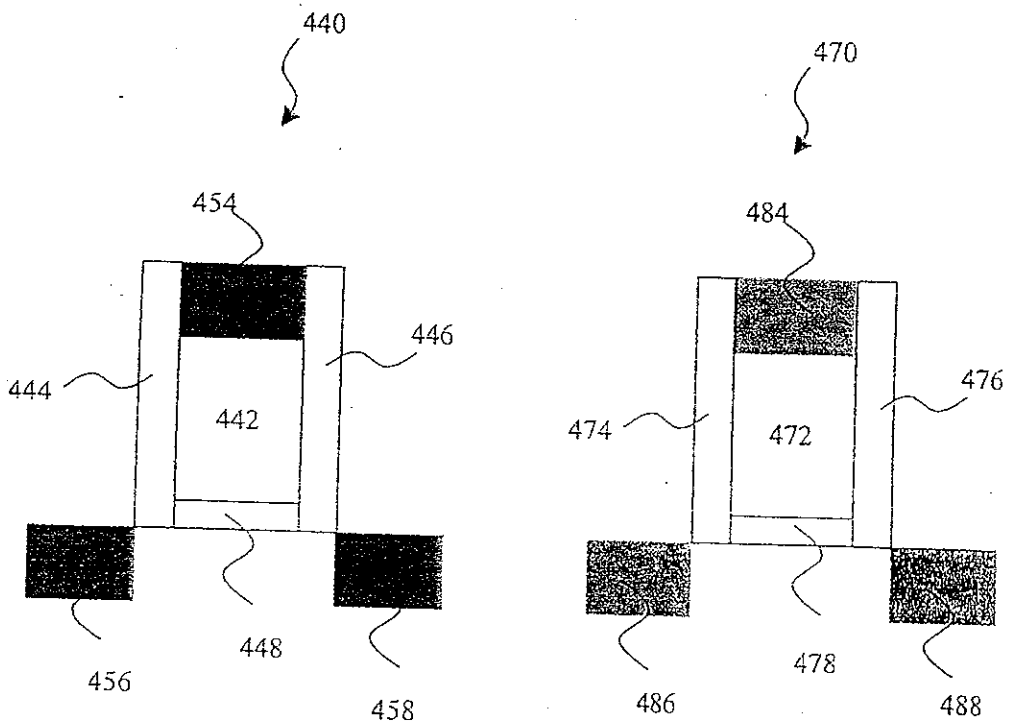


Fig. 4k

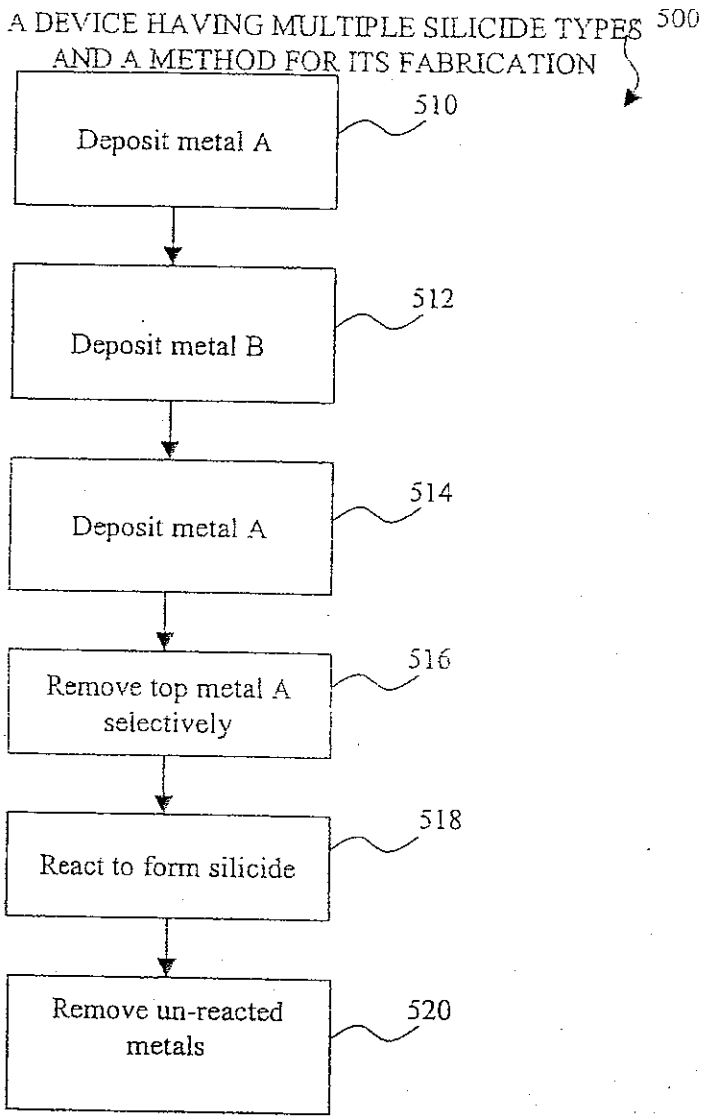

A DEVICE HAVING MULTIPLE SILICIDE TYPES AND A METHOD FOR ITS FABRICATION
500
Deposit metal A
510
Deposit metal B
512
Deposit metal A
514
Remove top metal A selectively
516
React to form silicide
518
Remove un-reacted metals
520

Fig. 5a

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

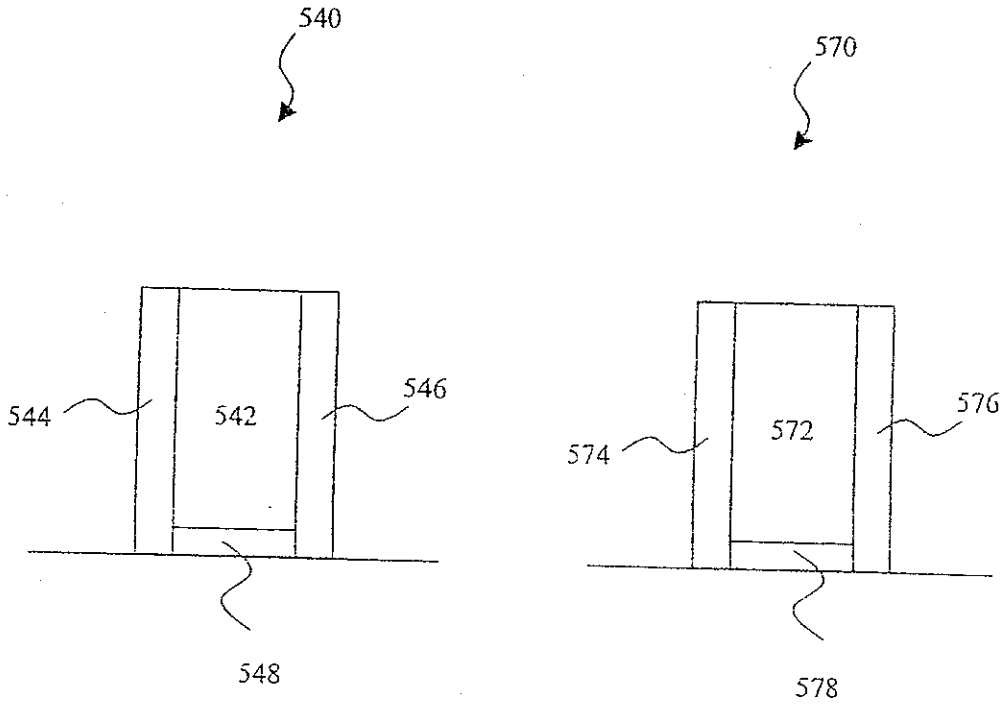


Fig. 5b

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

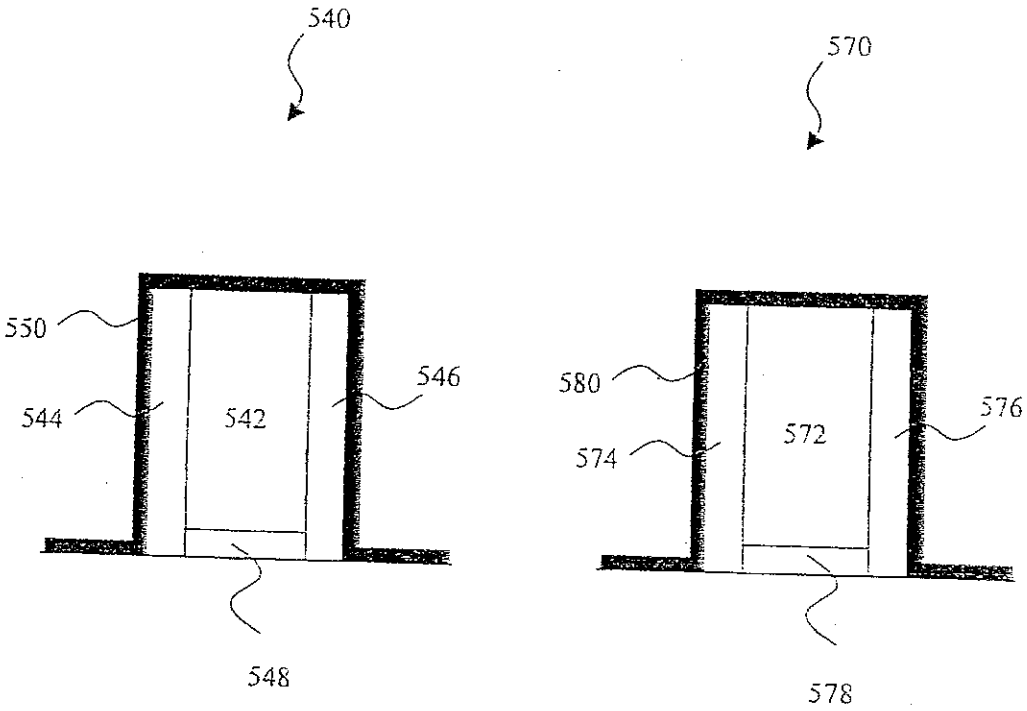


Fig. 5c

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

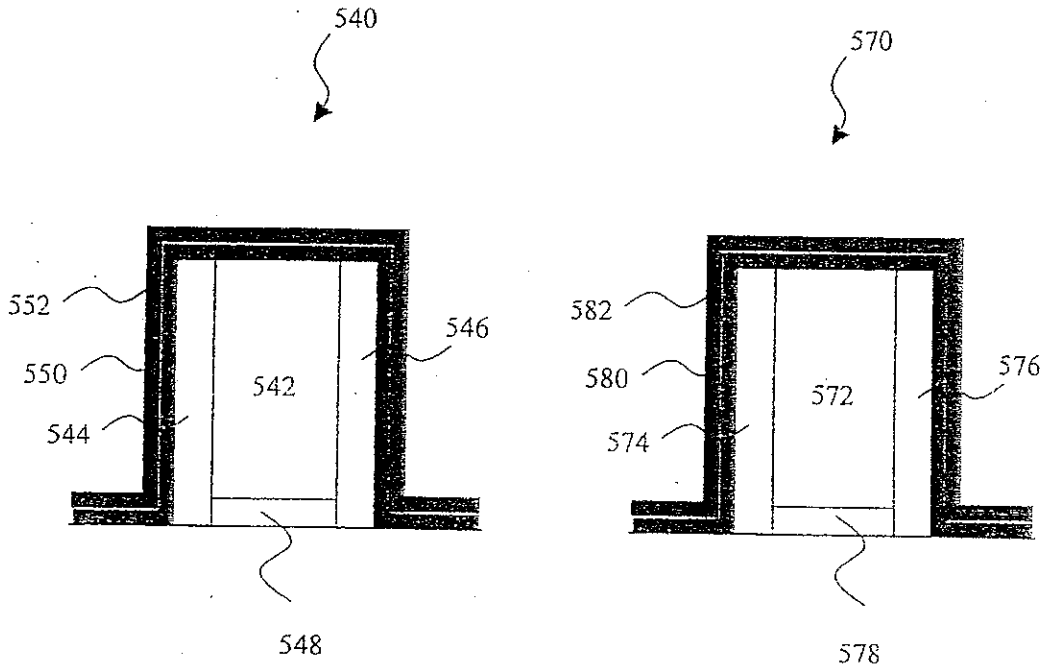


Fig. 5d

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

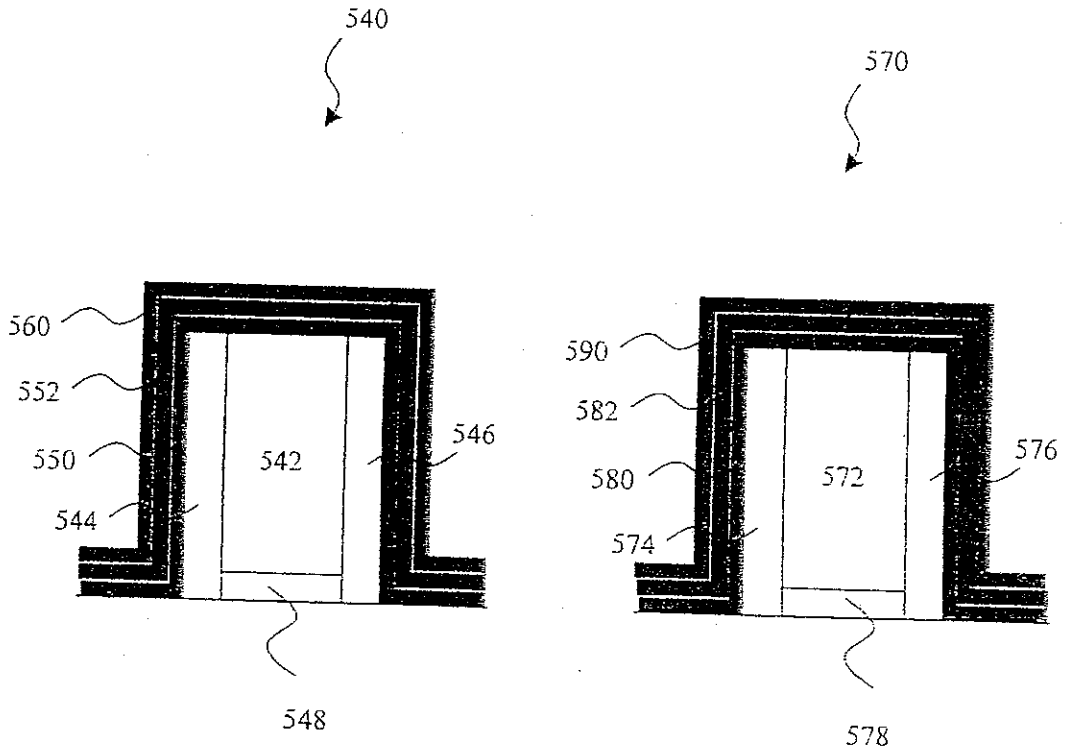


Fig. 5e

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

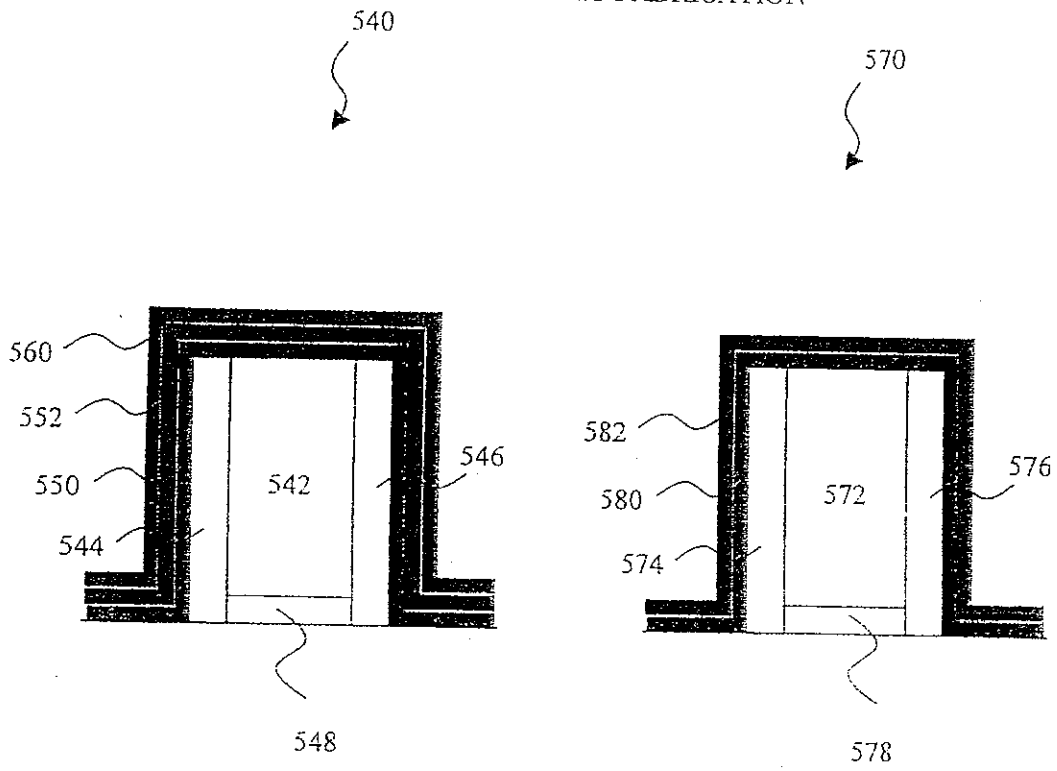


Fig. 5f

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

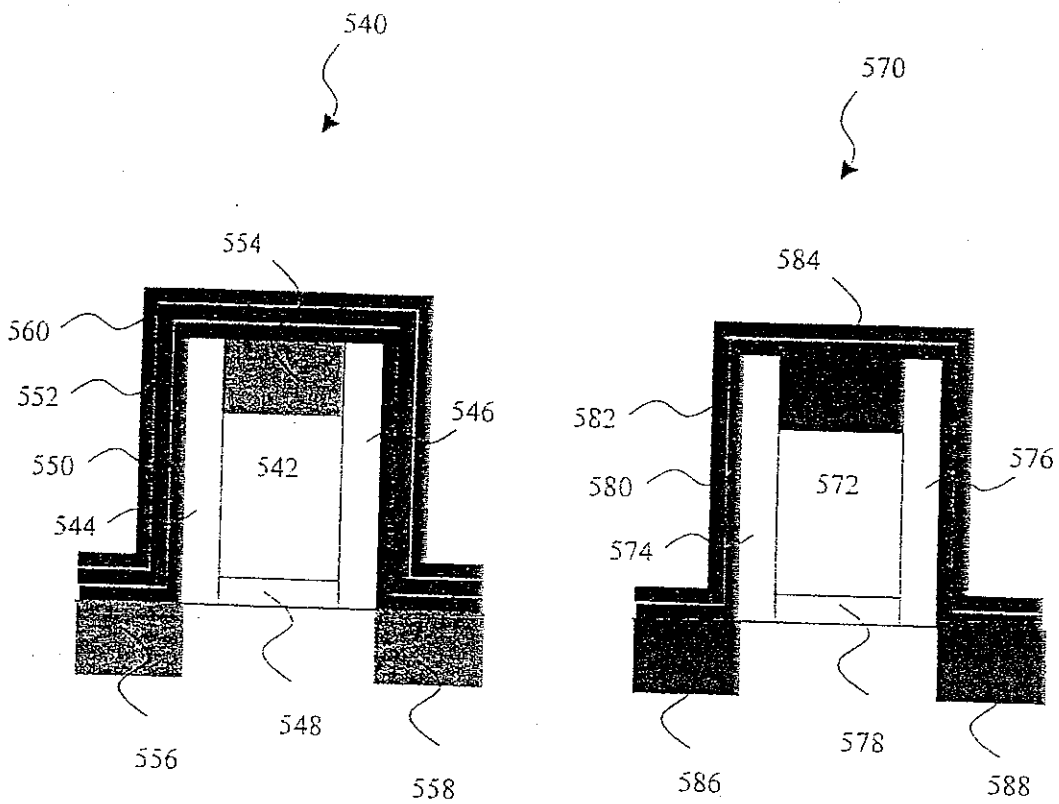


Fig. 5g

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

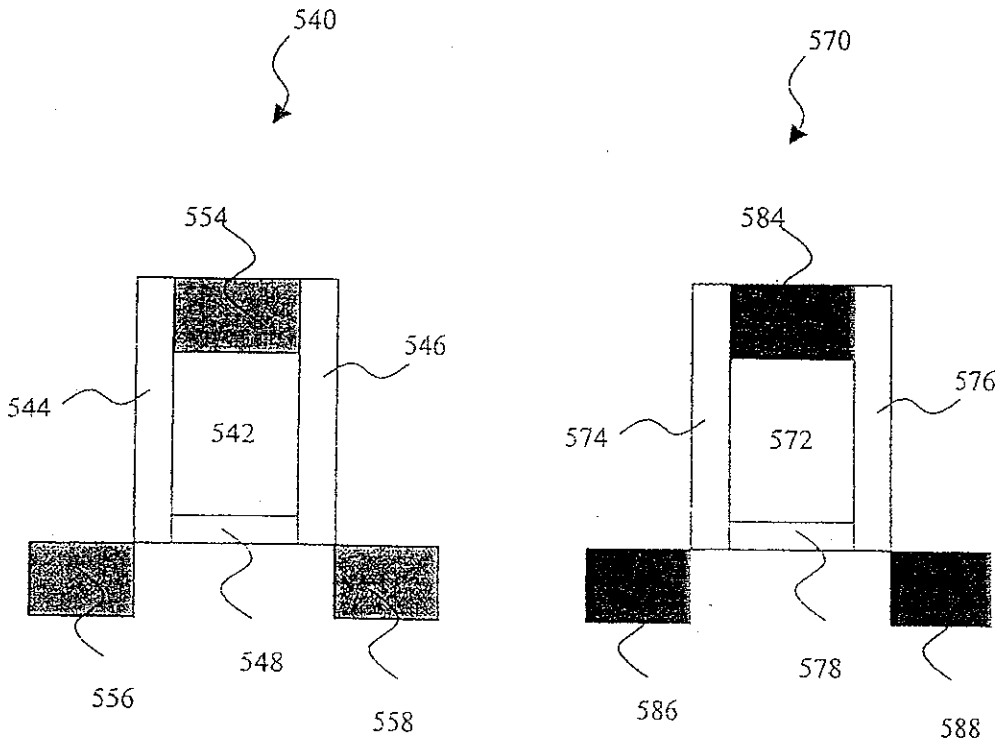


Fig. 5h

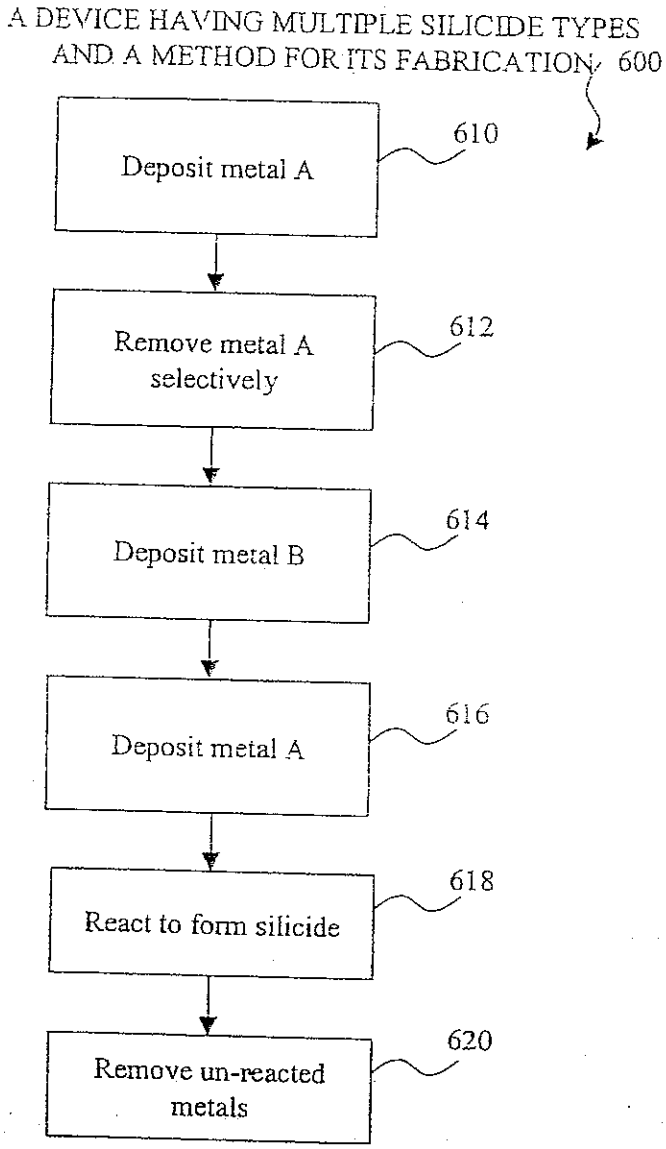

A DEVICE HAVING MULTIPLE SILICIDE TYPES AND A METHOD FOR ITS FABRICATION
600
Deposit metal A
610
Remove metal A selectively
612
Deposit metal B
614
Deposit metal A
616
React to form silicide
618
Remove un-reacted metals
620

Fig. 6a

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

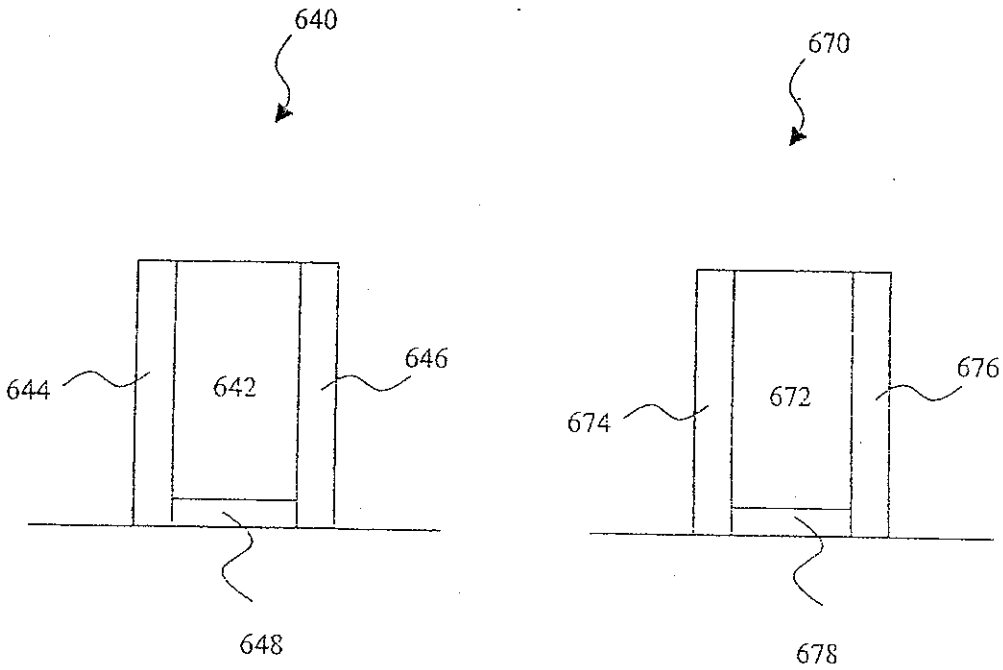


Fig. 6b

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

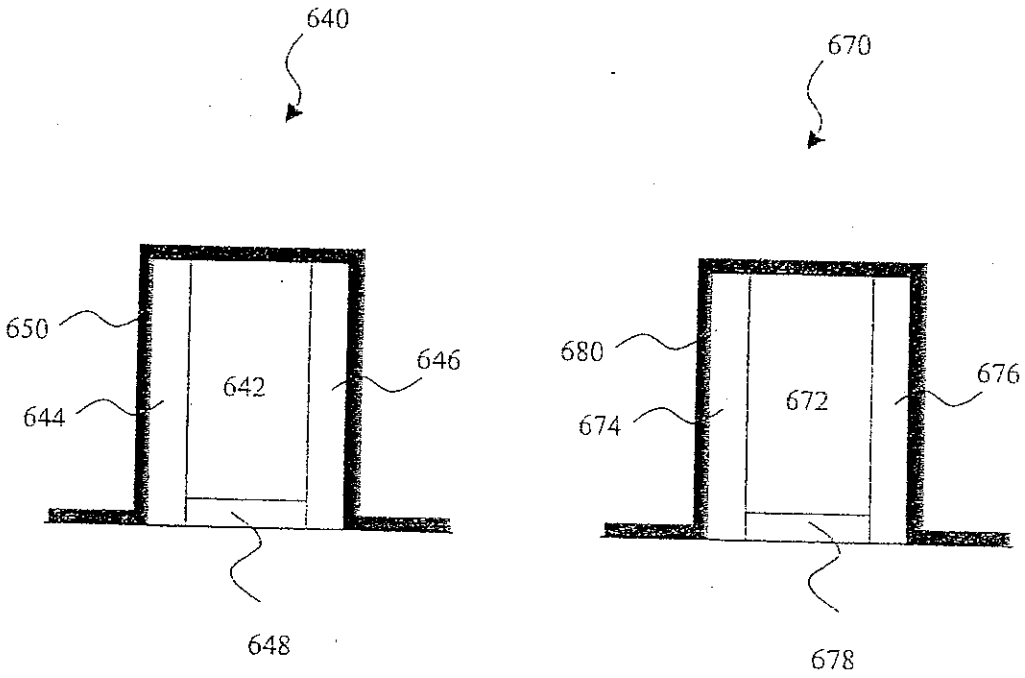


Fig. 6c

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

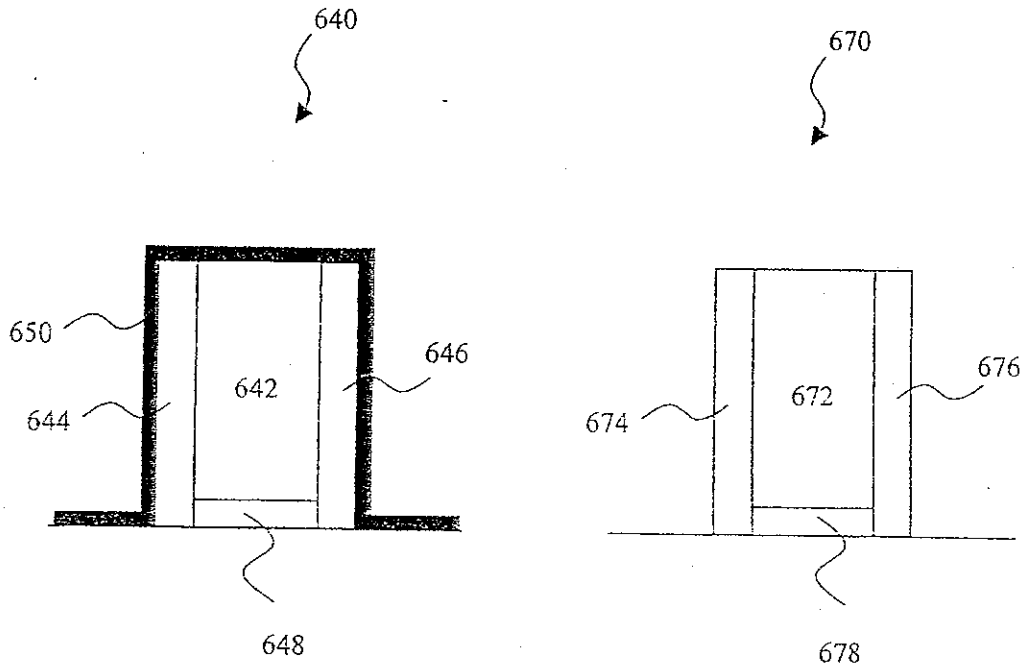


Fig. 6d

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

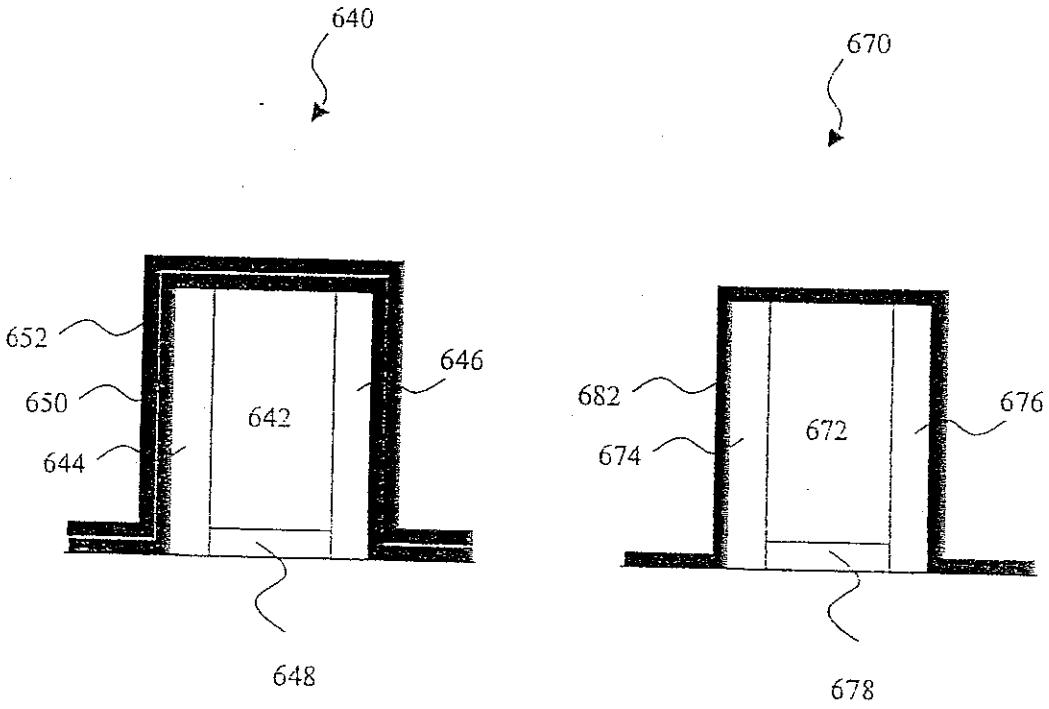


Fig. 6e

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

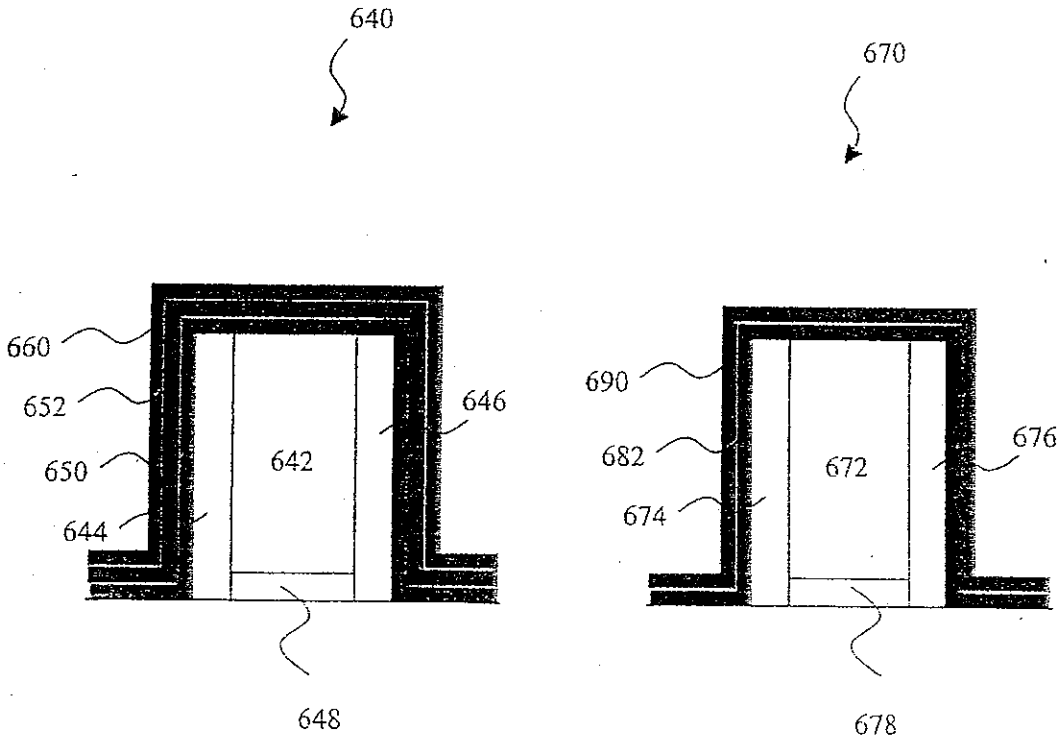


Fig. 6f

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

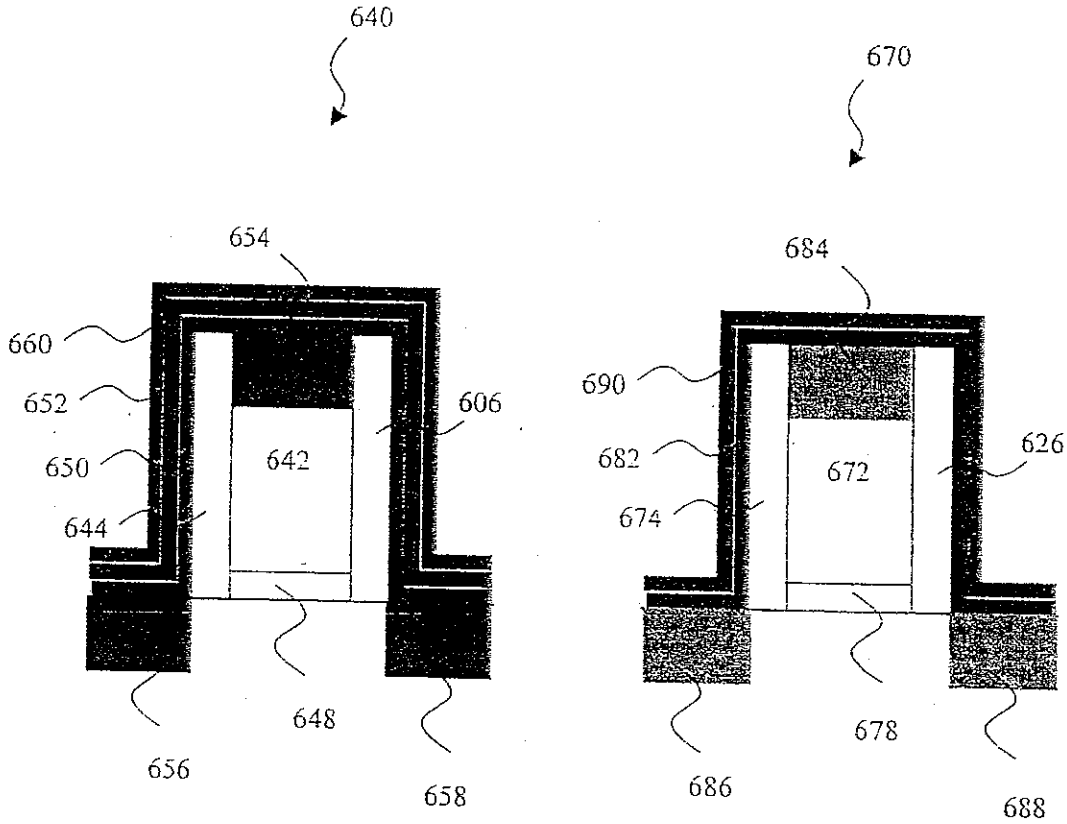


Fig. 6g

A DEVICE HAVING MULTIPLE SILICIDE TYPES
AND A METHOD FOR ITS FABRICATION

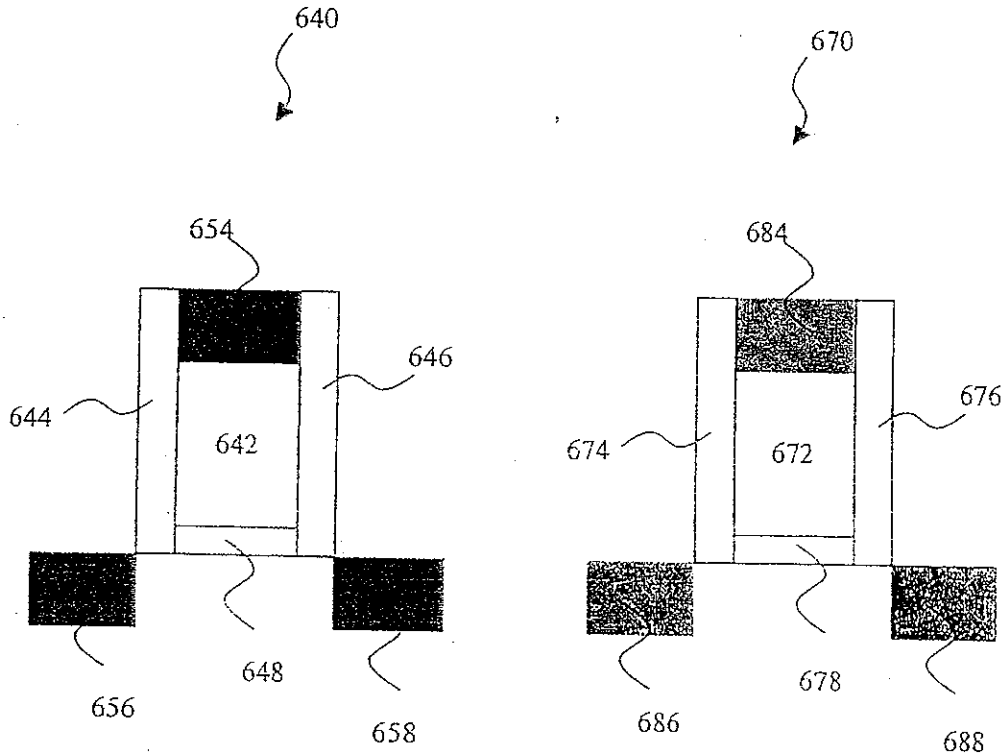


Fig. 6h