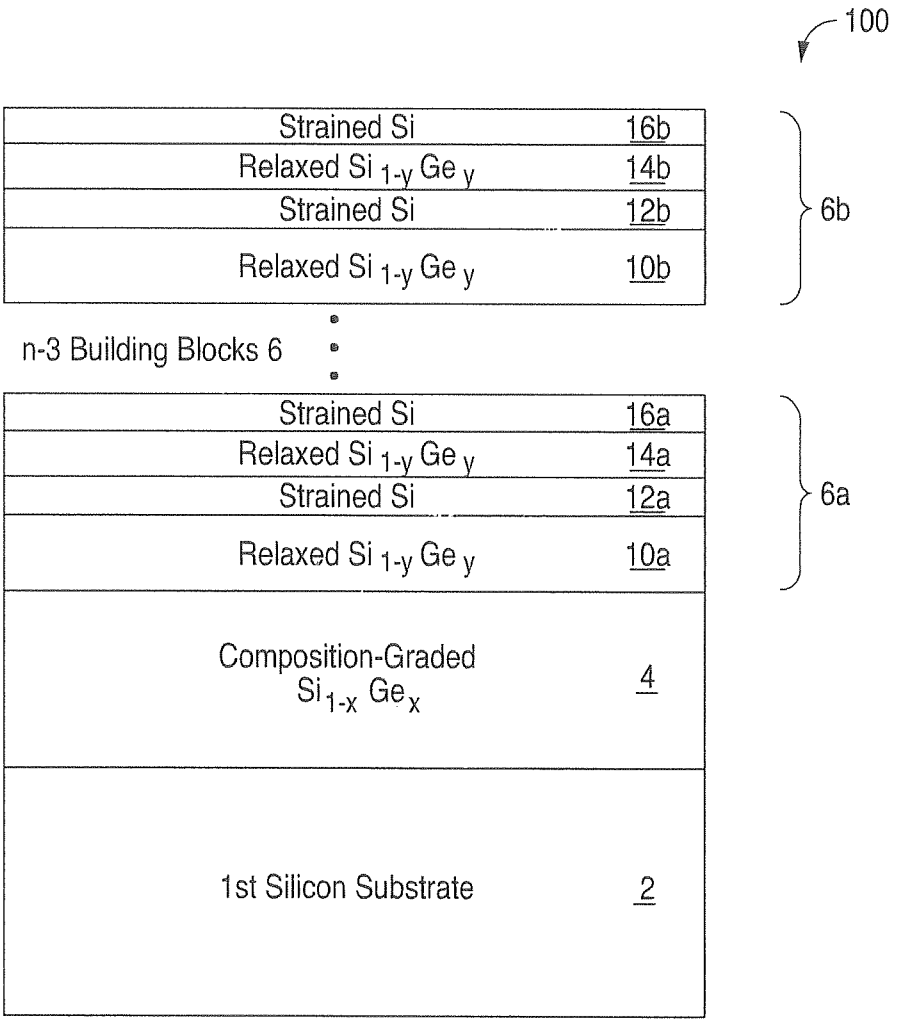
100
Strained Si
16b
Relaxed Si 1-y Ge y
14b
Strained Si
12b
Relaxed Si 1-y Ge y
10b
6b
n-3 Building Blocks 6
Strained Si
16a
Relaxed Si 1-y Ge y
14a
Strained Si
12a
Relaxed Si 1-y Ge y
10a
6a
Composition-Graded
Si 1-x Ge x
4
1st Silicon Substrate
2

FIG. 1

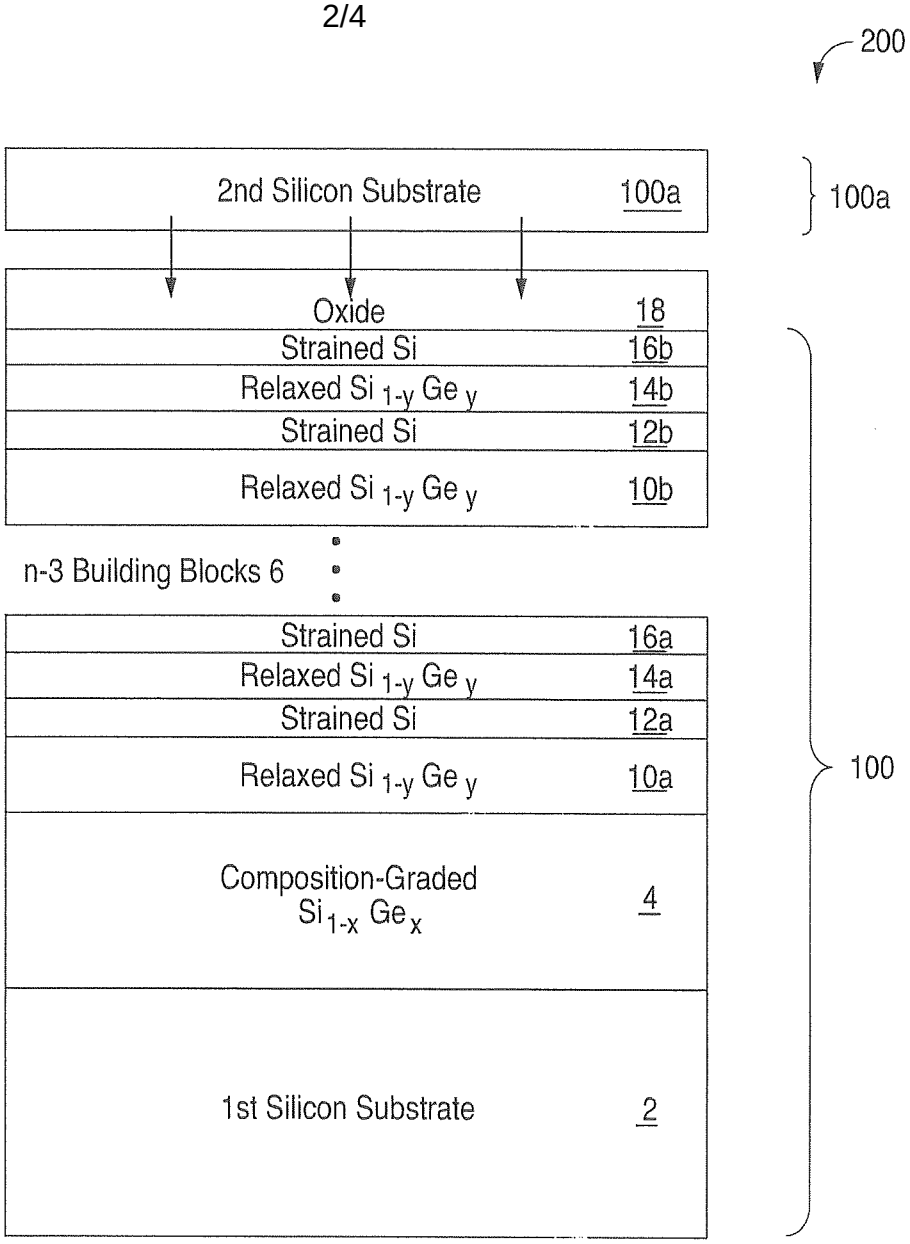
200
2nd Silicon Substrate
100a
100a
Oxide
18
Strained Si
16b
Relaxed Si 1-y Ge y
14b
Strained Si
12b
Relaxed Si 1-y Ge y
10b
n-3 Building Blocks 6
Strained Si
16a
Relaxed Si 1-y Ge y
14a
Strained Si
12a
Relaxed Si 1-y Ge y
10a
100
Composition-Graded
Si 1-x Ge x
4
1st Silicon Substrate
2

FIG. 2

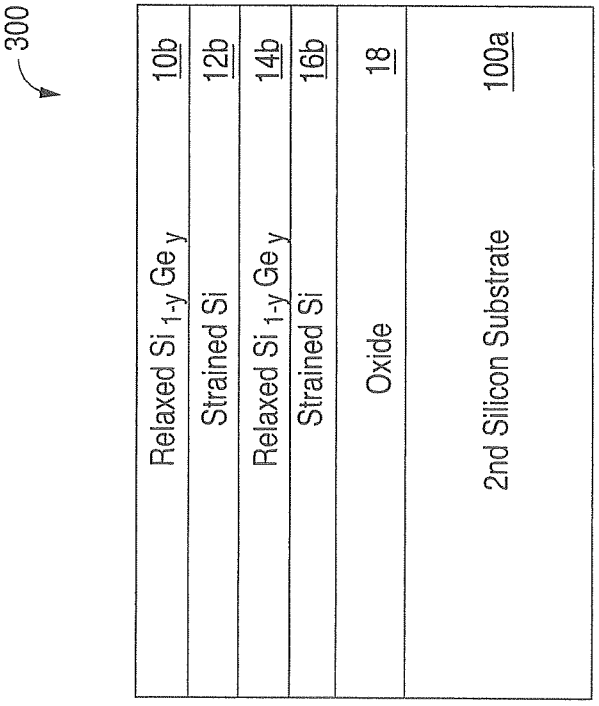
300
Relaxed Si 1-y Ge y 10b
Strained Si 12b
Relaxed Si 1-y Ge y 14b
Strained Si 16b
Oxide 18
2nd Silicon Substrate 100a

FIG. 3A

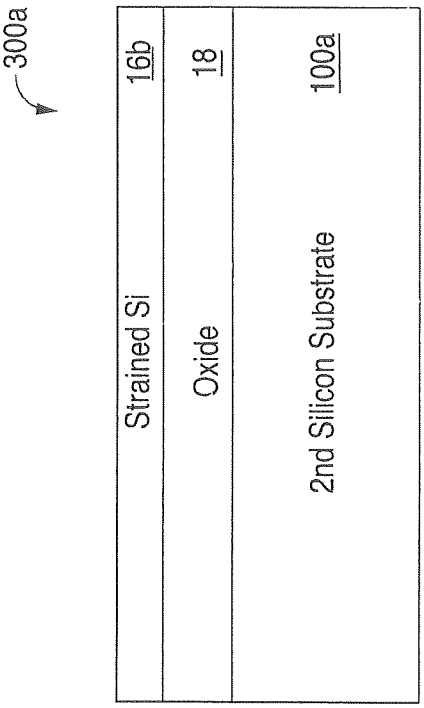
300a
Strained Si 16b
Oxide 18
2nd Silicon Substrate 100a

FIG. 3B

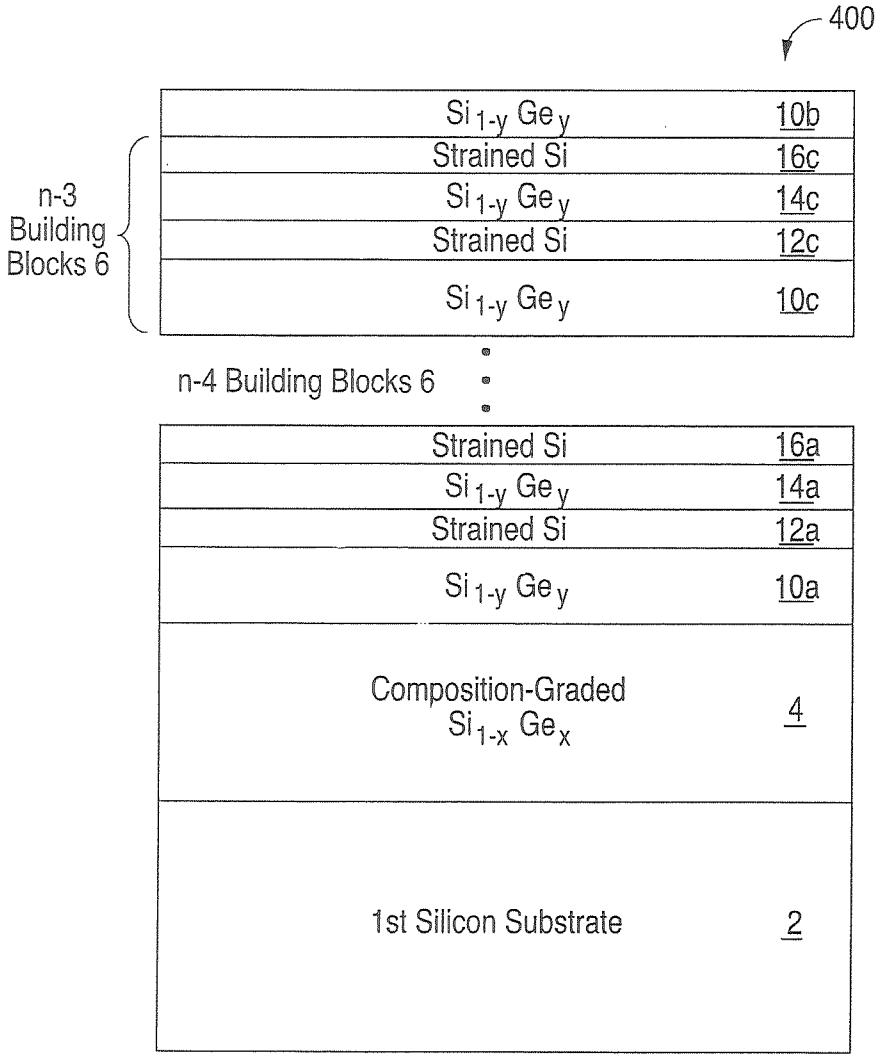
400
n-3 Building Blocks 6
Si 1-y Ge y
10b
Strained Si
16c
Si 1-y Ge y
14c
Strained Si
12c
Si 1-y Ge y
10c
n-4 Building Blocks 6
Strained Si
16a
Si 1-y Ge y
14a
Strained Si
12a
Si 1-y Ge y
10a
Composition-Graded Si 1-x Ge x
4
1st Silicon Substrate
2

FIG. 4A

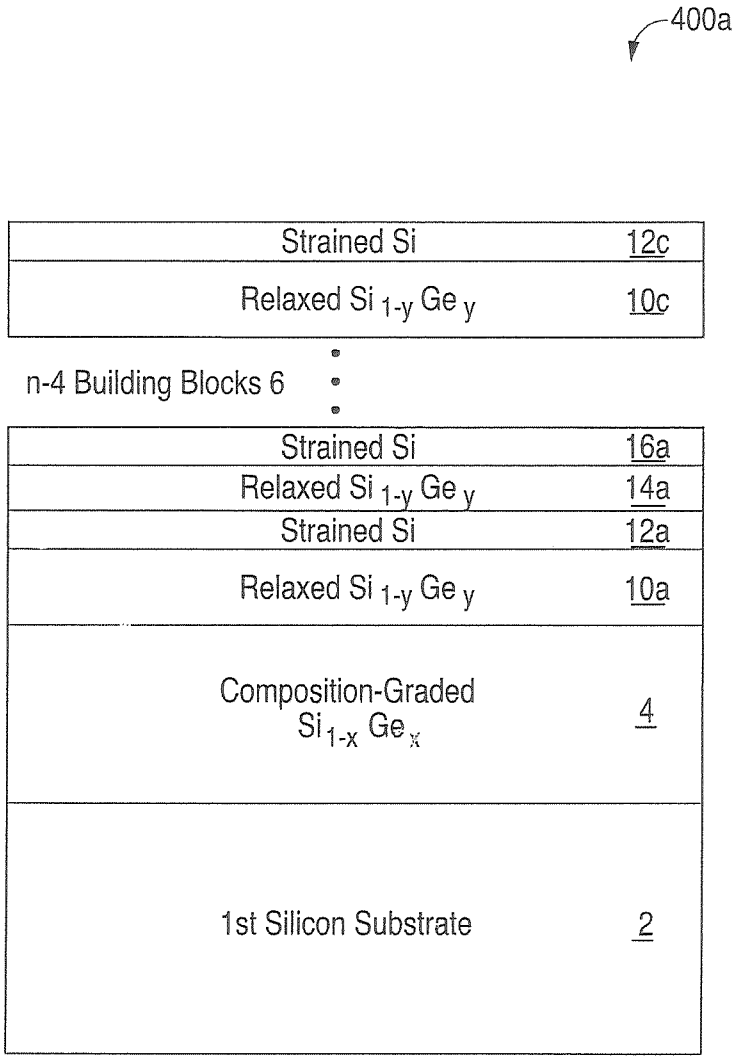
400a
Strained Si
12c
Relaxed Si 1-y Ge y
10c
n-4 Building Blocks 6
Strained Si
16a
Relaxed Si 1-y Ge y
14a
Strained Si
12a
Relaxed Si 1-y Ge y
10a
Composition-Graded Si 1-x Ge x
4
1st Silicon Substrate
2

FIG. 4B