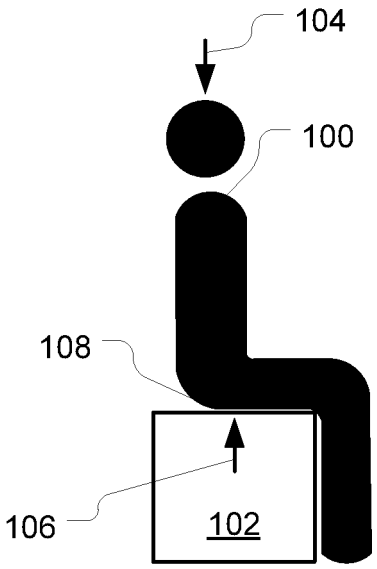


FIG. 1A

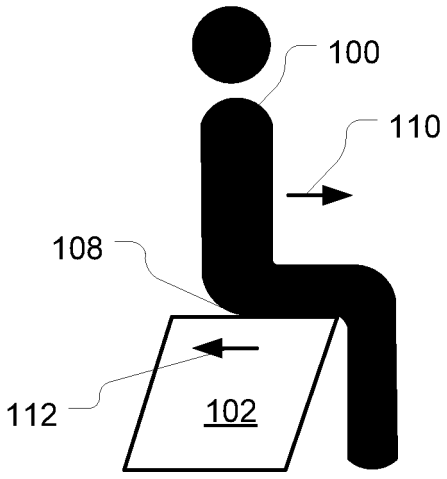


FIG. 1B

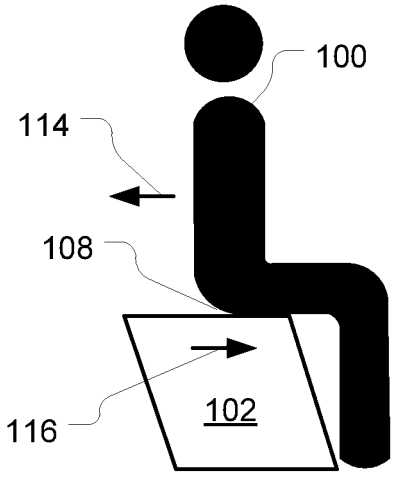


FIG. 1C

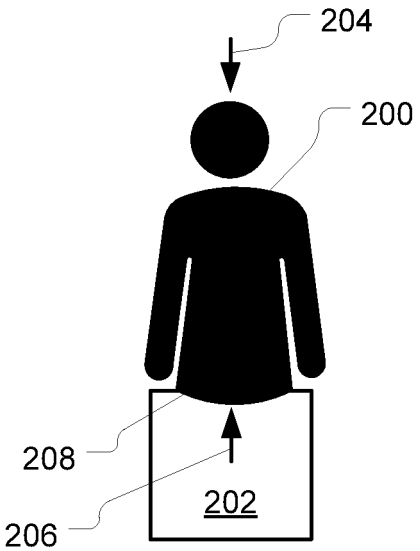


FIG. 2A

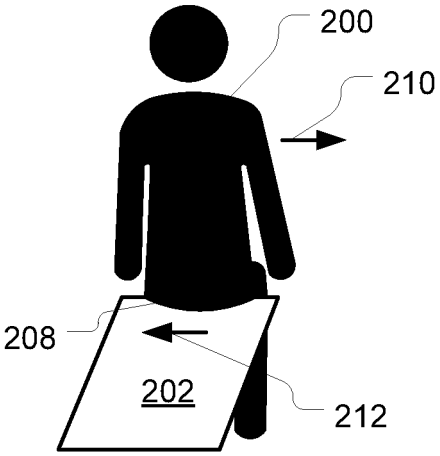


FIG. 2A

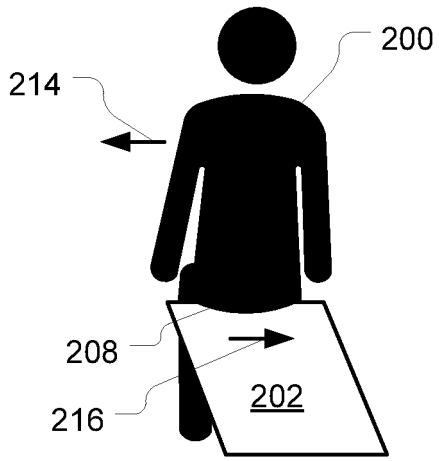
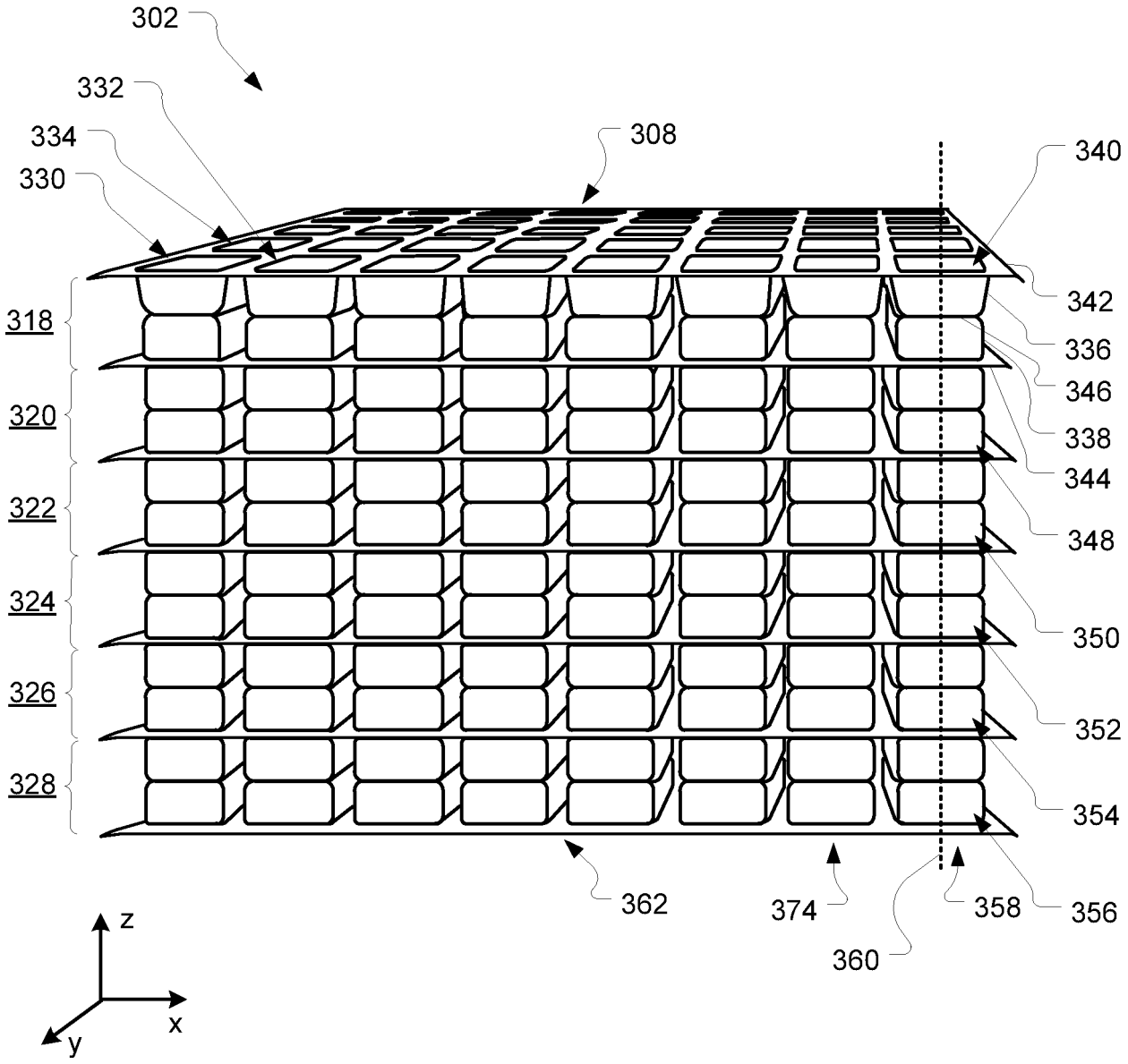


FIG. 2C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332
334
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342
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346
338
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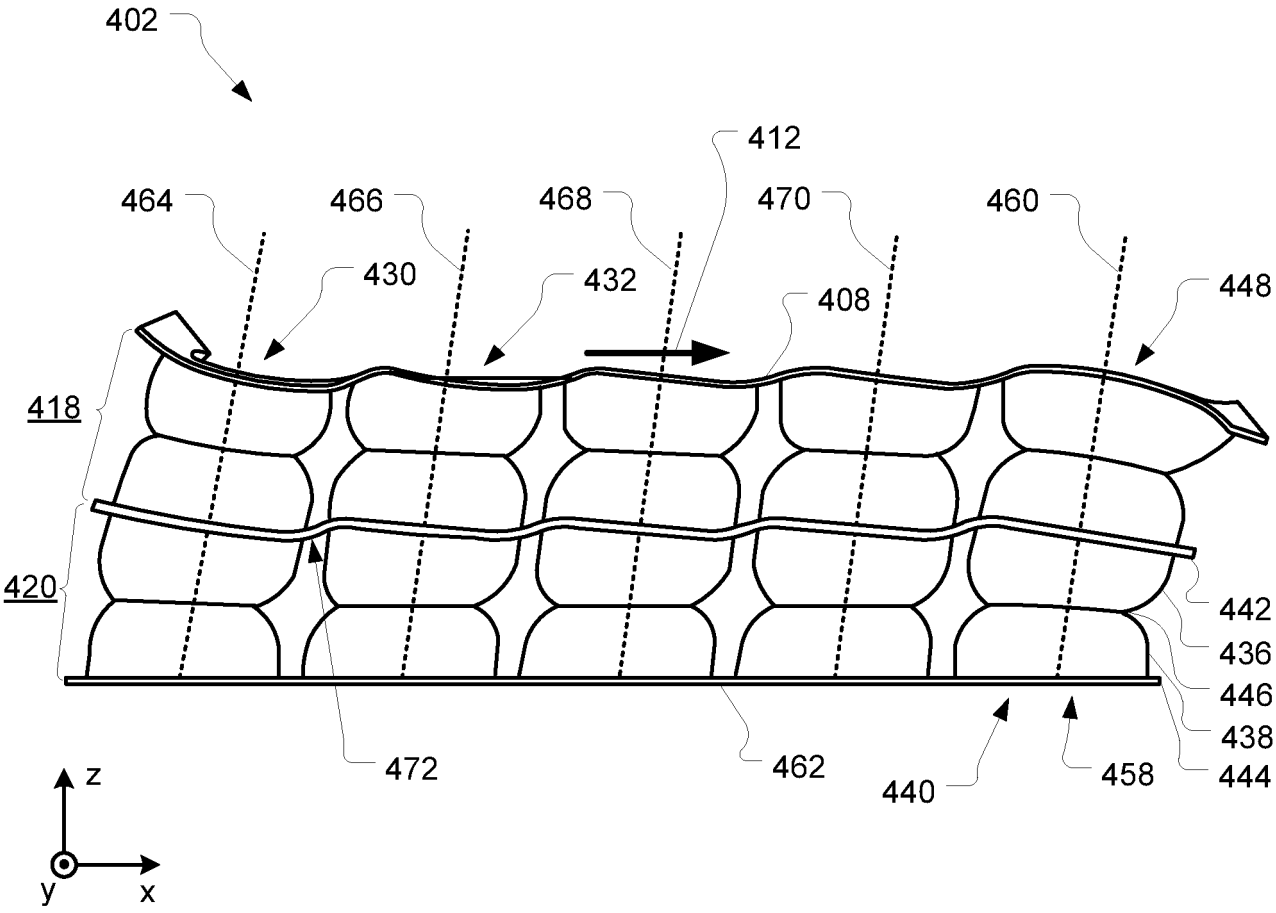
356
358
360
362
374
318
320
322
324
326
328
z
x
y

FIG. 3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466
468
470
460
430
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448
418
420
442
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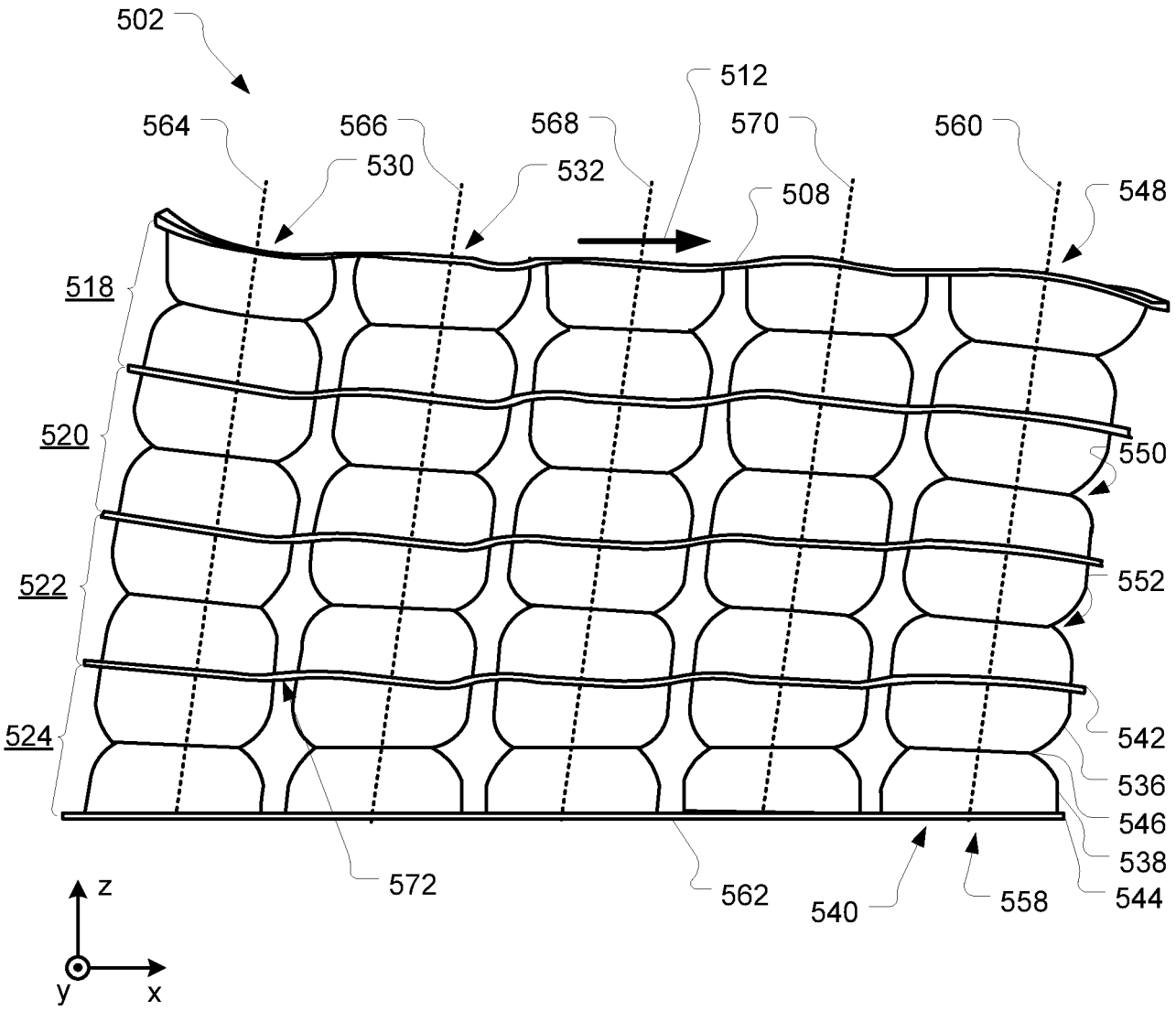
446
438
444
472
462
440
458
z
y
x

FIG. 4


502
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570
560
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532
508
548
518
520
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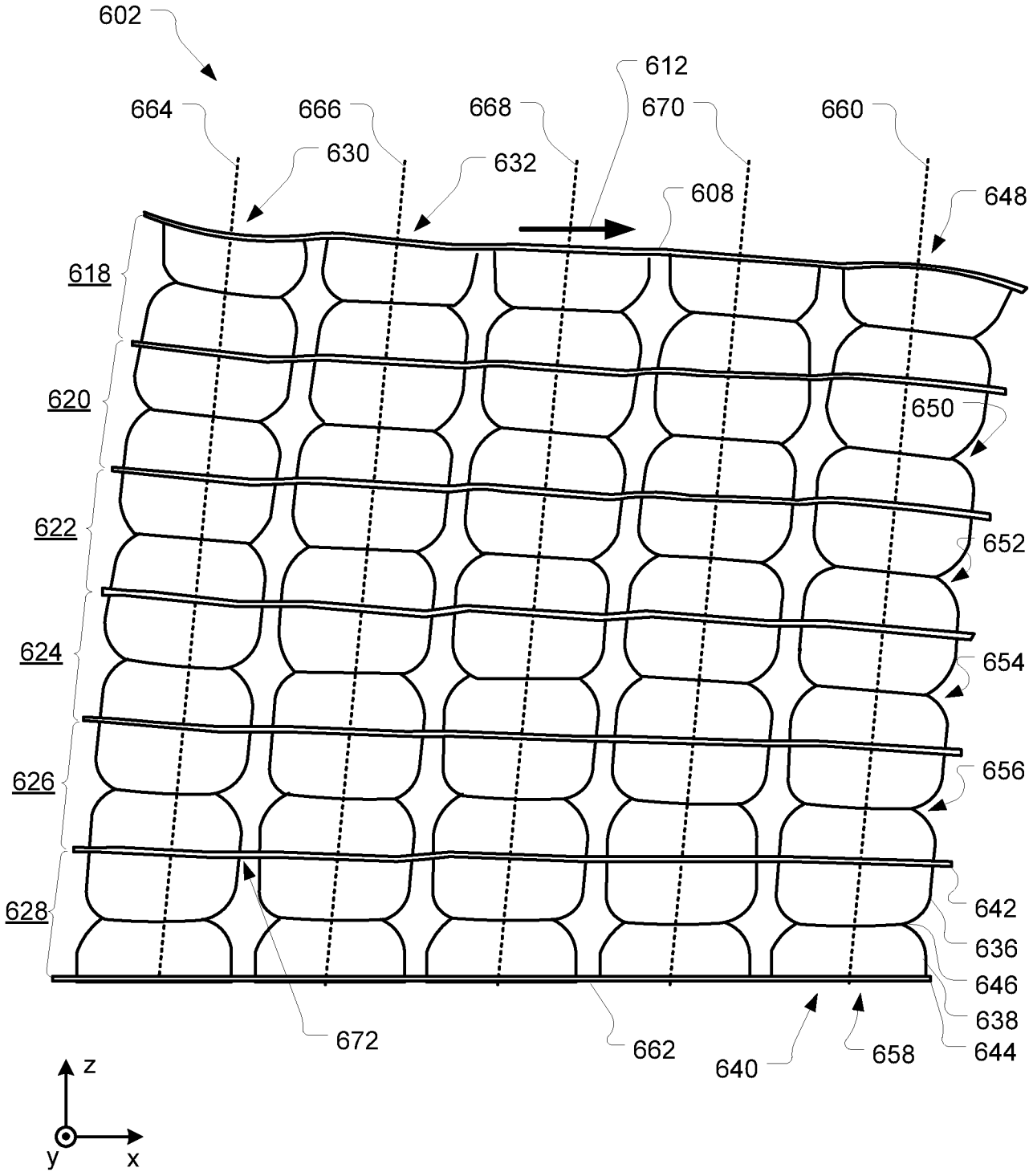
522
552
524
542
536
546
538
544
572
562
540
558
z
y
x

FIG. 5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628
642
636
646
638
644
672
662
640
658
z
y
x

FIG. 6

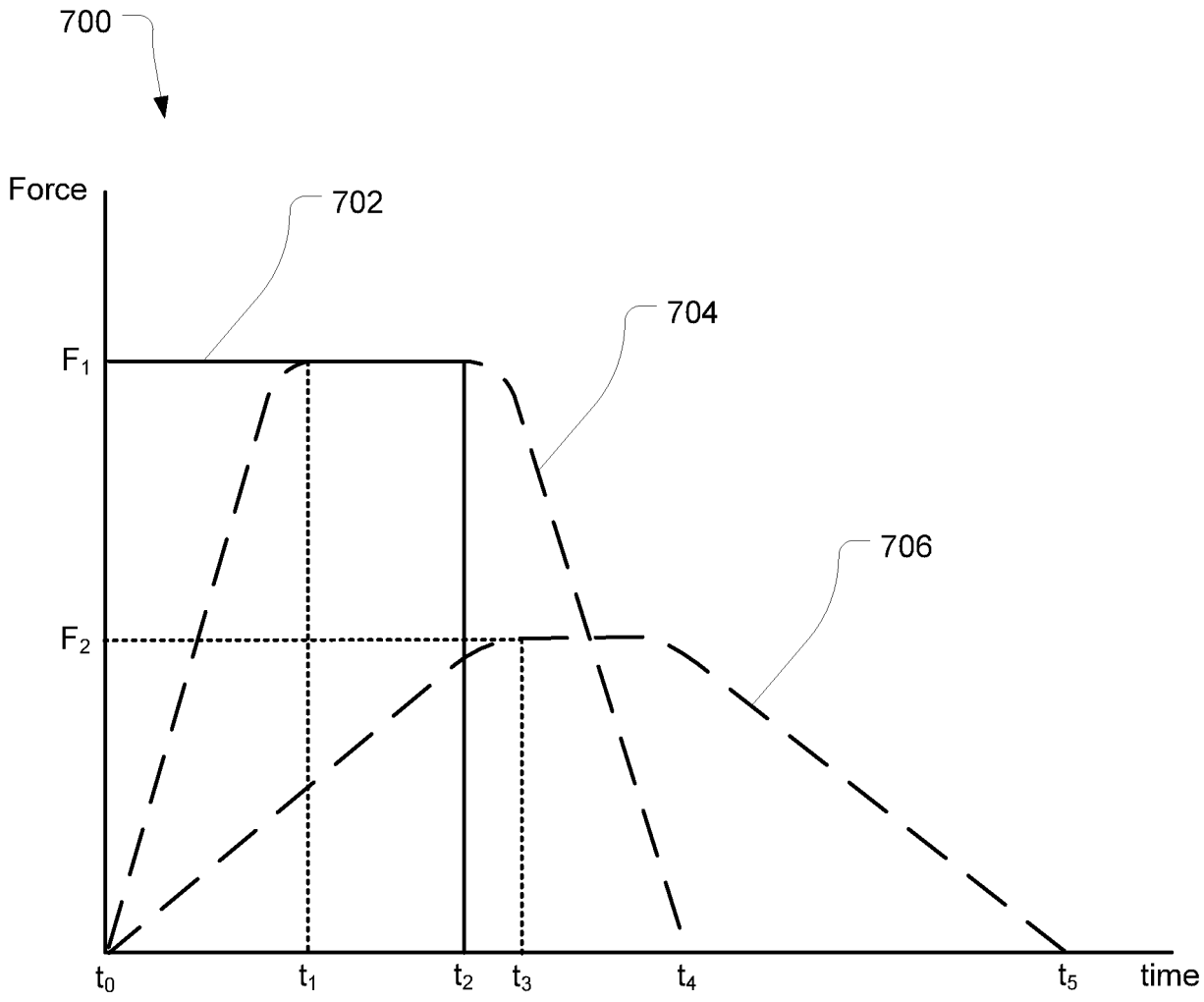
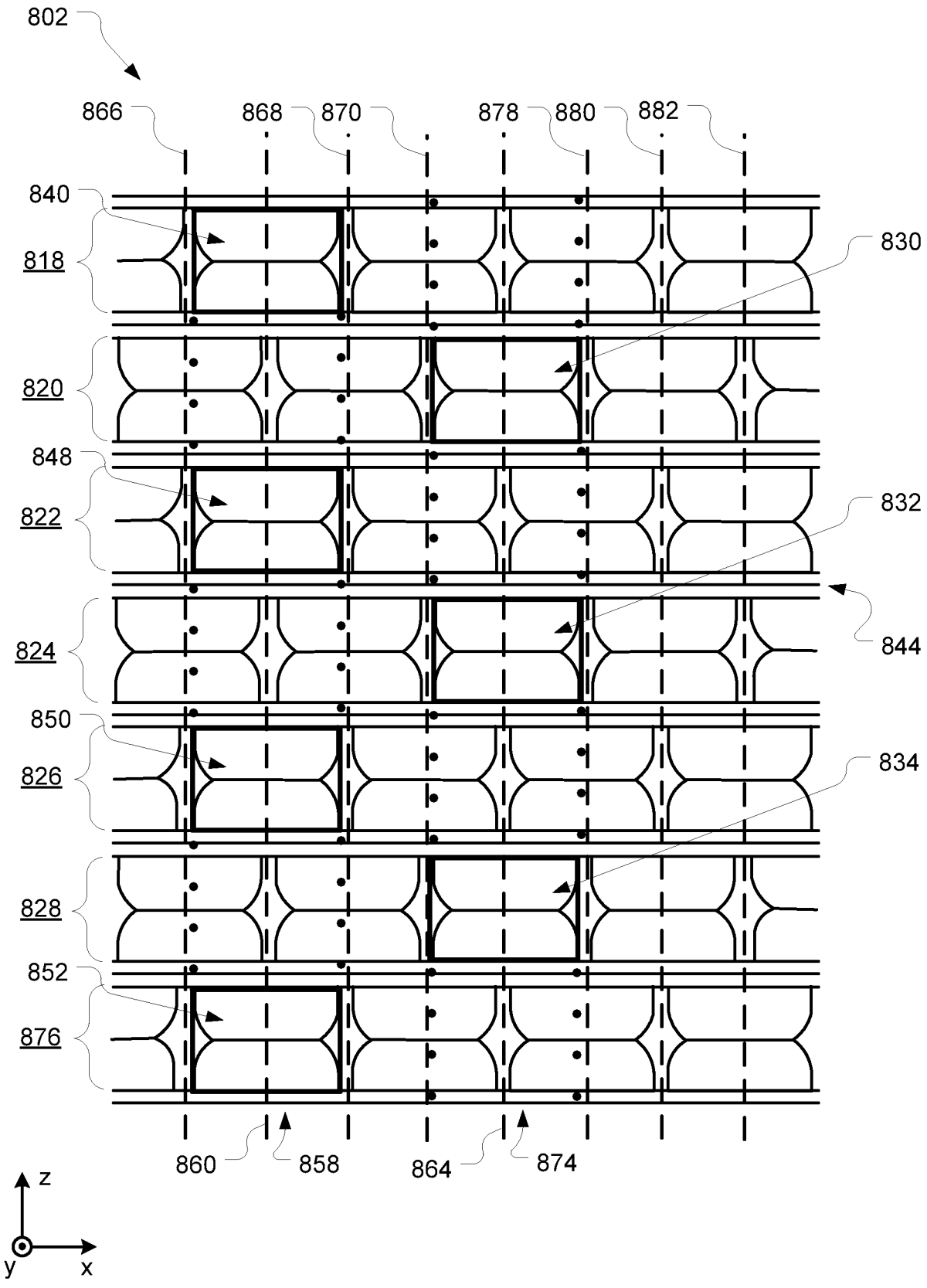


FIG. 7


802
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882
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818
830
820
848
822
832
844
824
850
826
834
828
852
876
860
858
864
874
z
y
x

FIG. 8

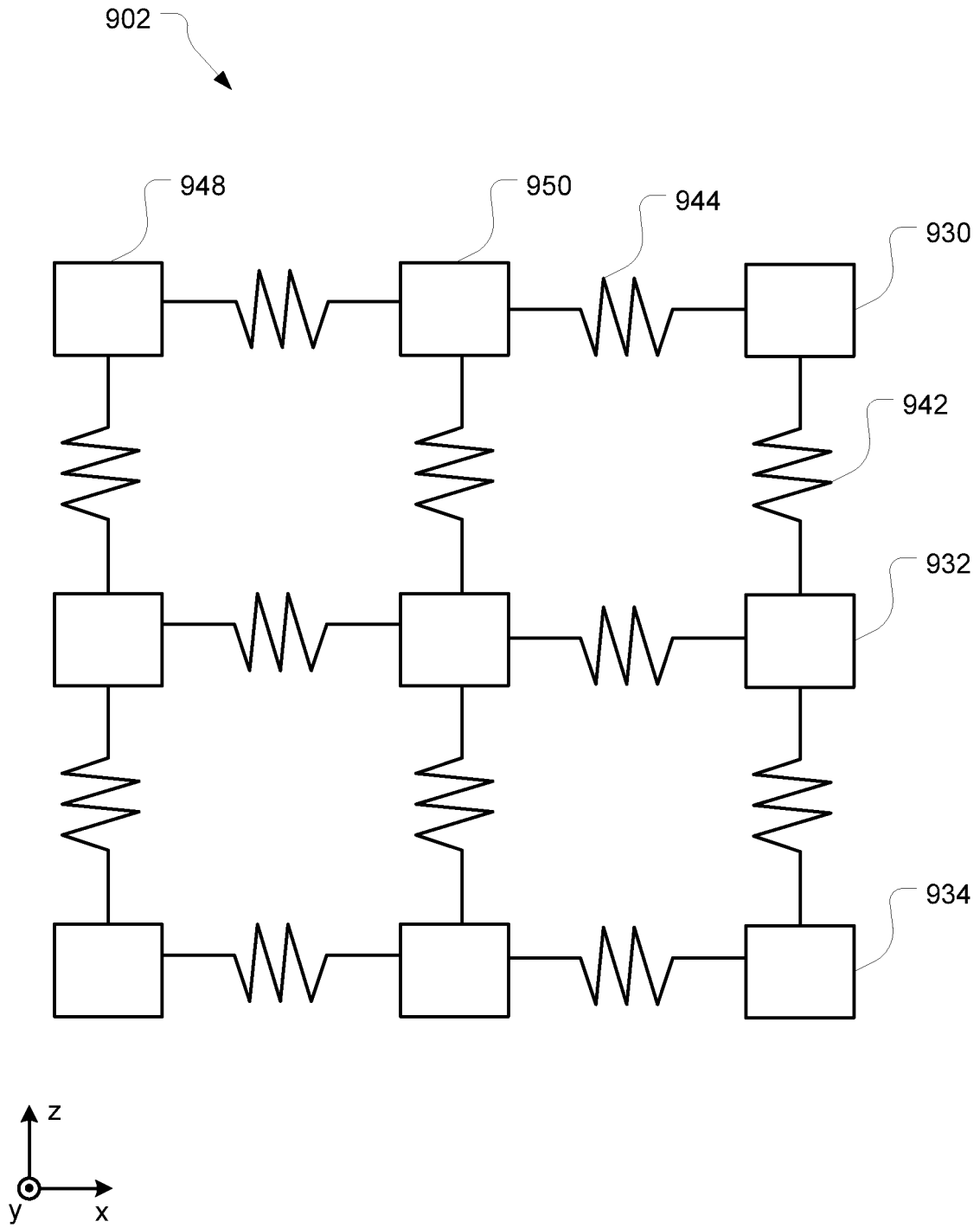

FIG. 9

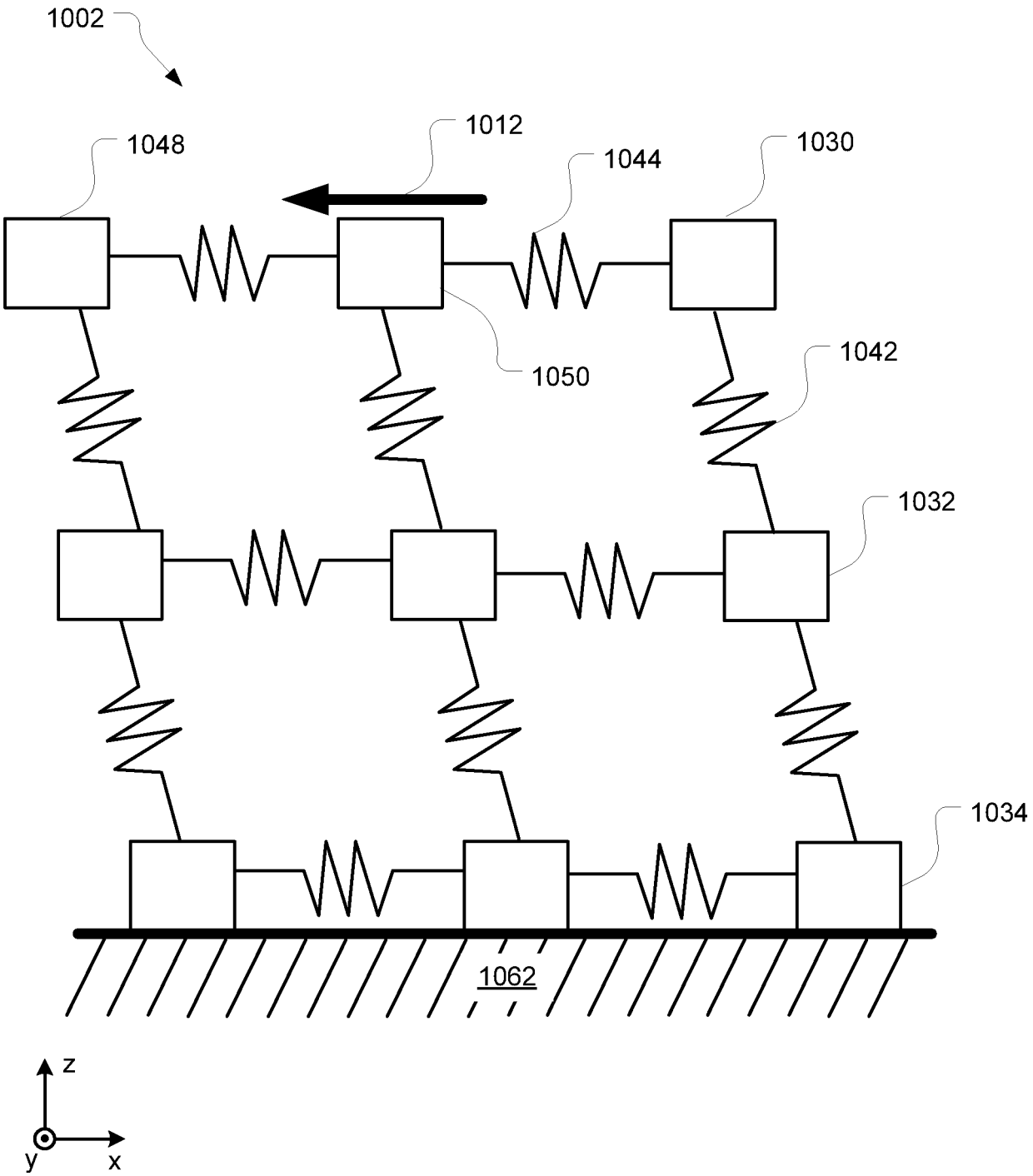

FIG. 10

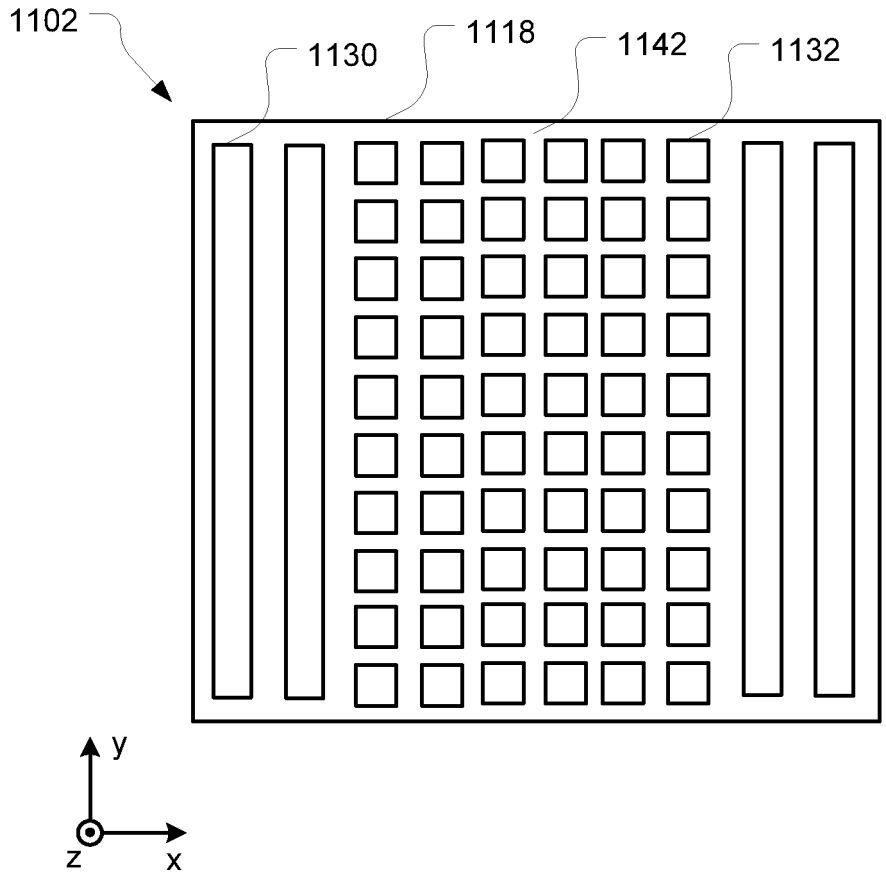

FIG. 11

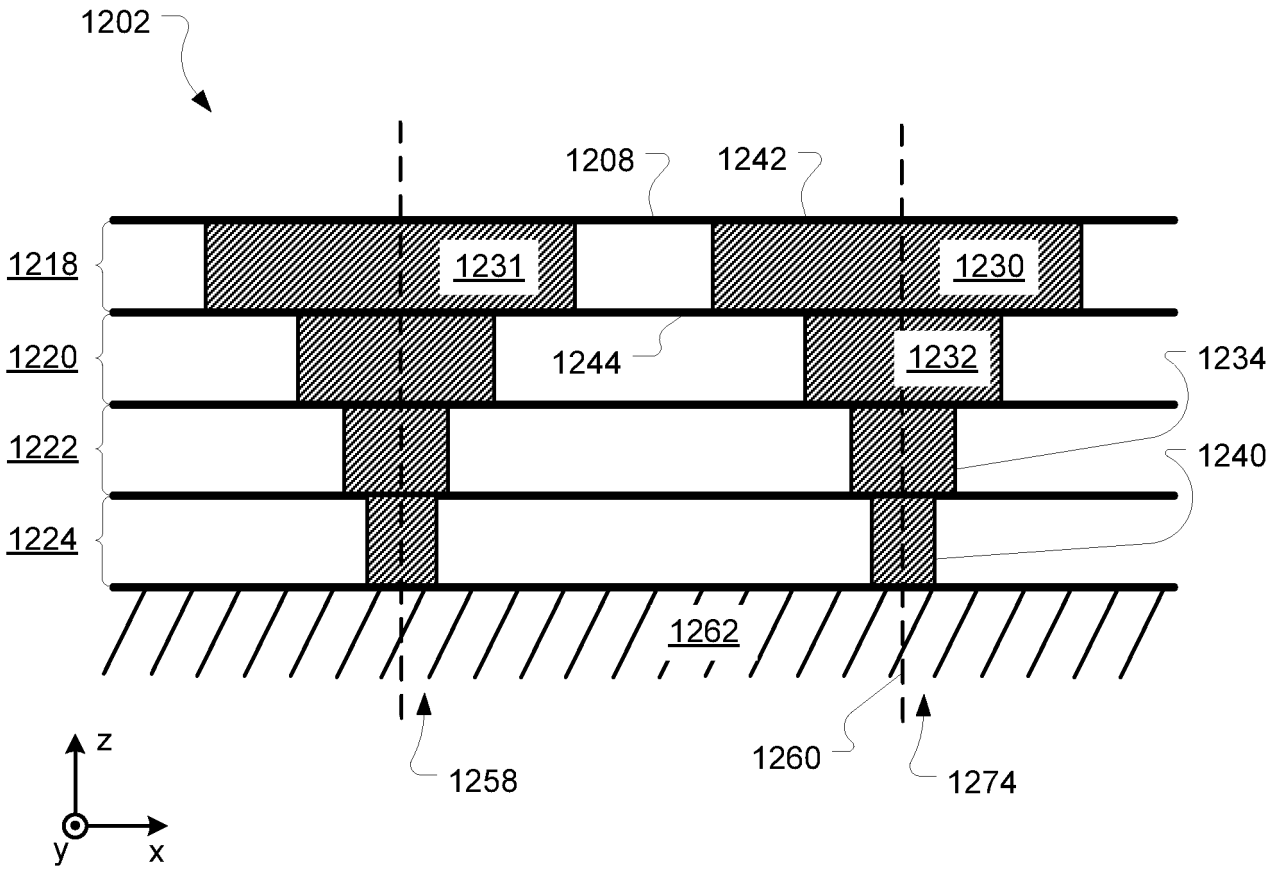
1202
1208
1242
1218
1231
1230
1220
1244
1232
1234
1222
1240
1224
1262
z
y
x
1258
1260
1274

FIG. 12

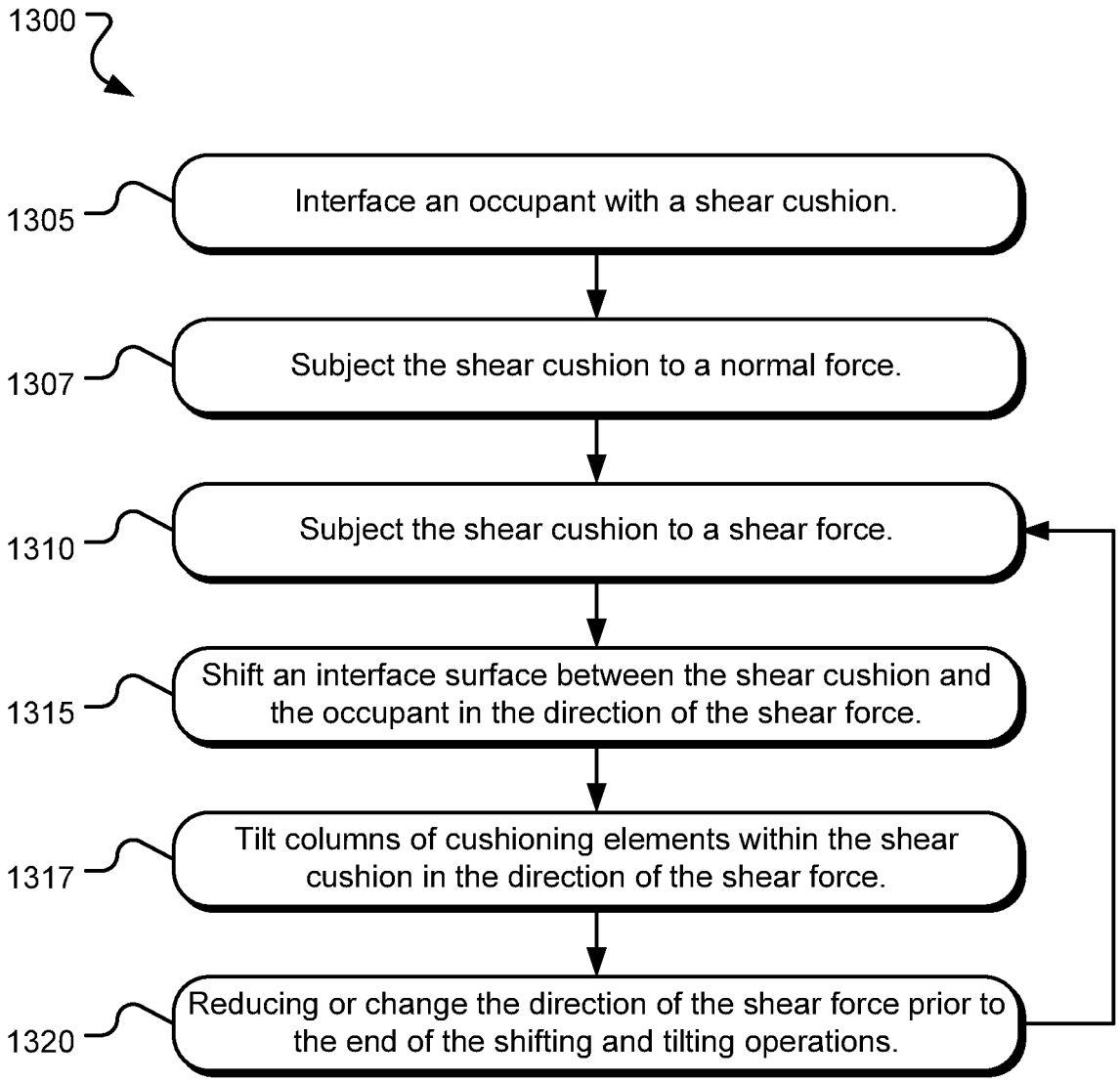
1300
1305
Interface an occupant with a shear cushion.
1307
Subject the shear cushion to a normal force.
1310
Subject the shear cushion to a shear force.
1315
Shift an interface surface between the shear cushion and the occupant in the direction of the shear force.
1317
Tilt columns of cushioning elements within the shear cushion in the direction of the shear force.
1320
Reducing or change the direction of the shear force prior to the end of the shifting and tilting operations.

FIG. 13