

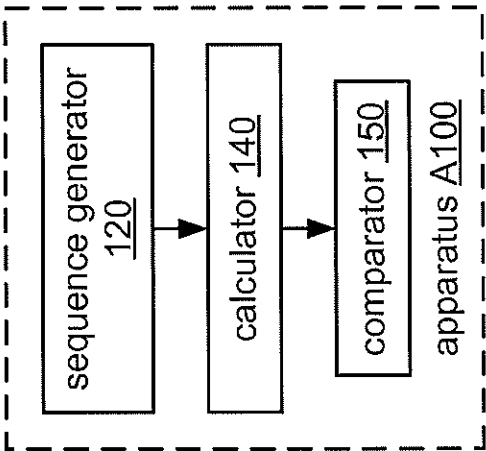


FIG.
1B

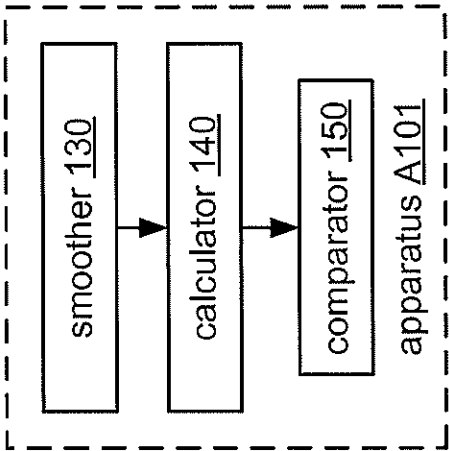


FIG.
1D

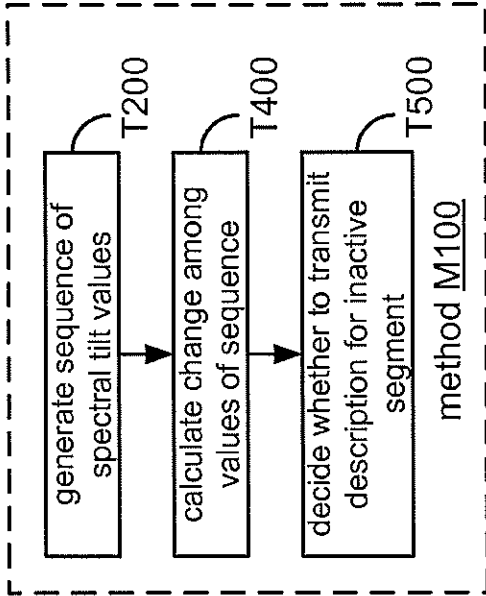


FIG.
1A

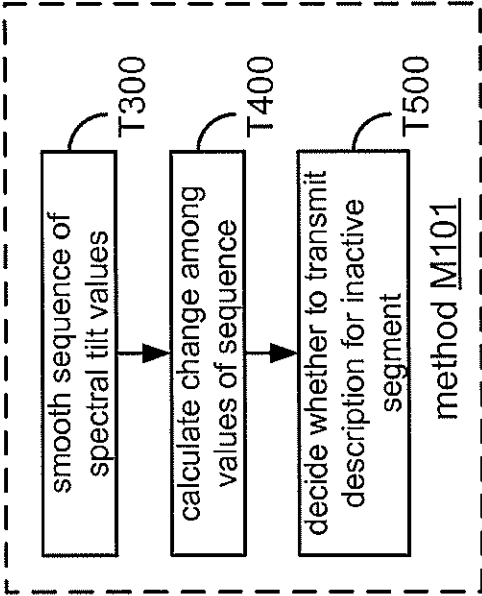


FIG.
1C

FIG. 2

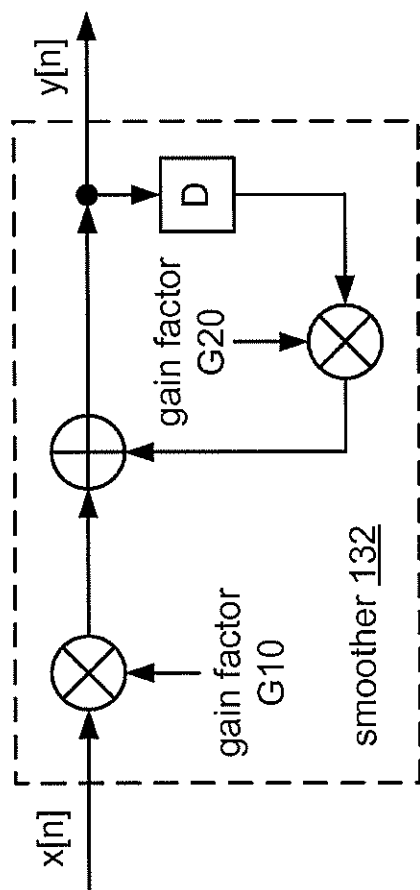
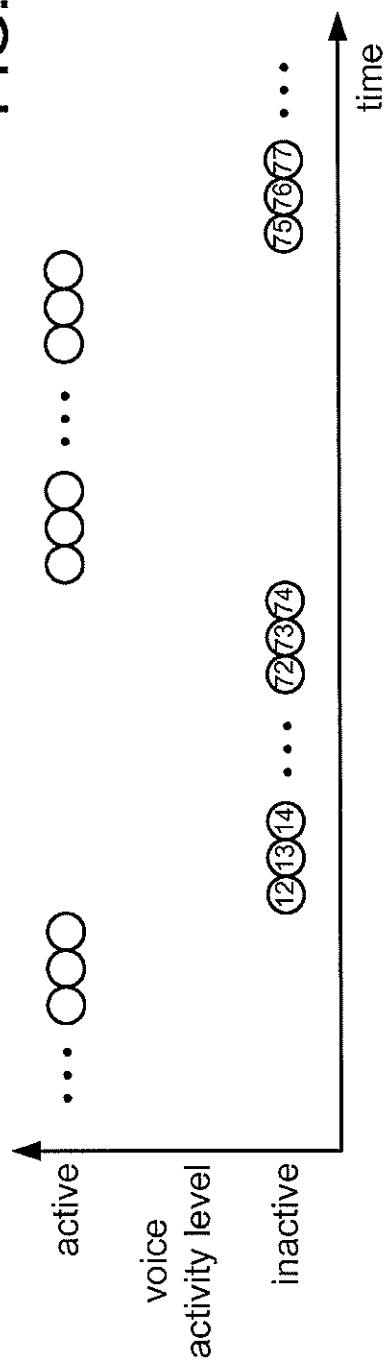


FIG. 3



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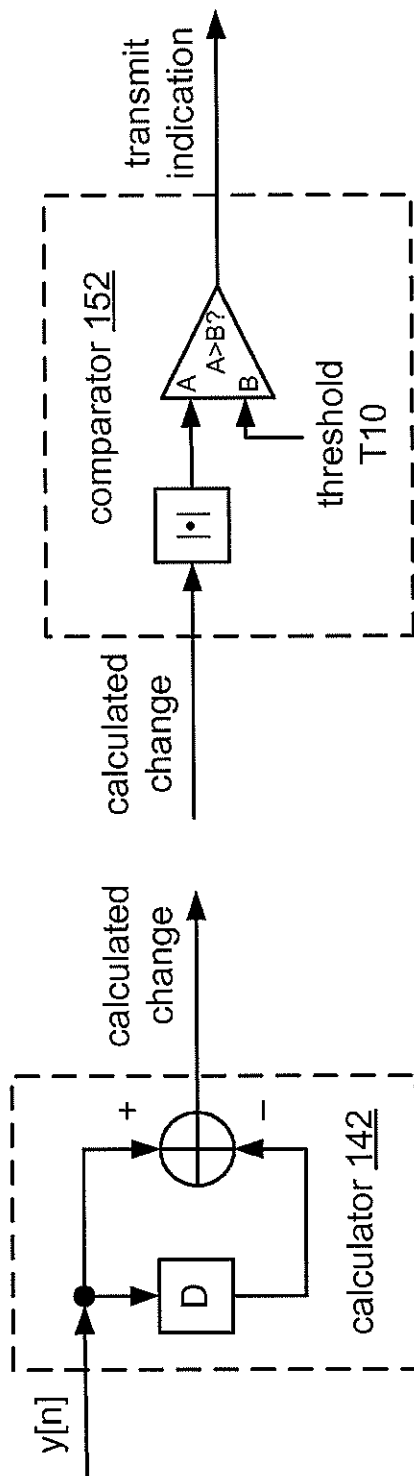


FIG. 4

FIG. 5

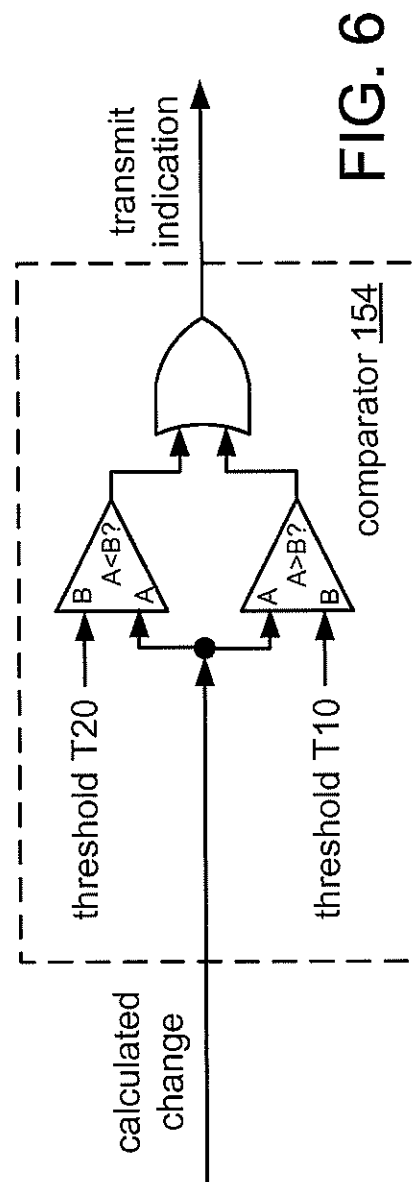


FIG. 6

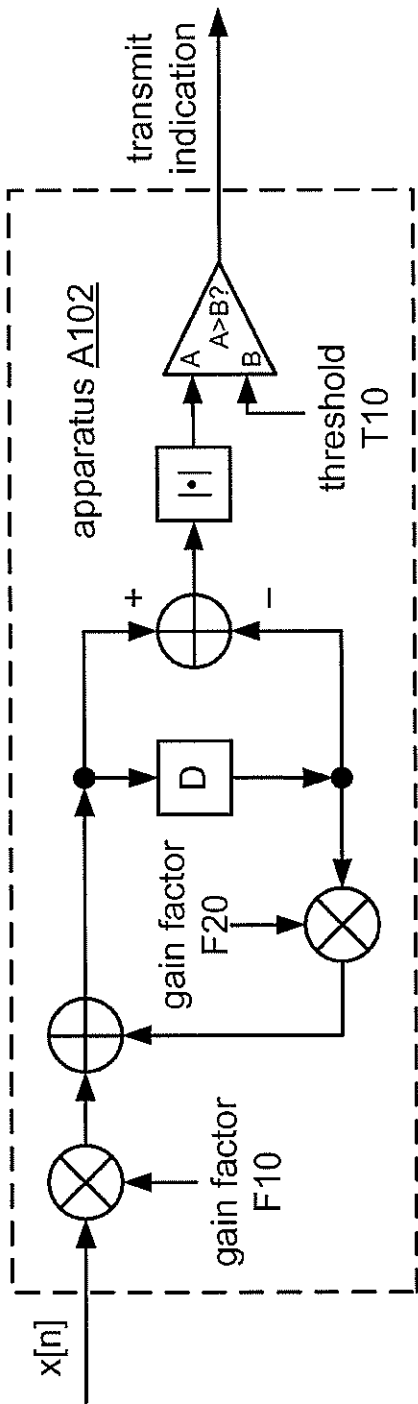


FIG. 7A

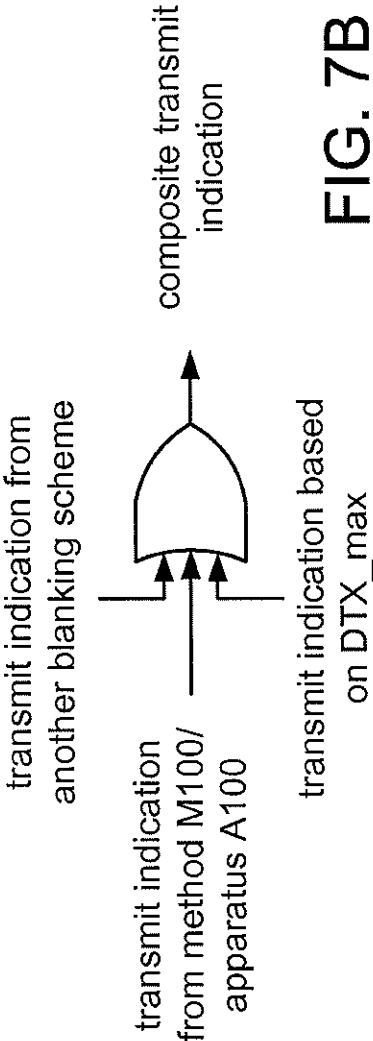


FIG. 7B

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```

p = FALSE;

/* Part 1: task T300 */
y_past = y_current;
y_current = 0.2*k0 + 0.8*y_past;

/* Part 2: task T400 */
z = y_current - y_past;

/* Part 3: task T500 */
if (z > 0.2) p = TRUE;

p = FALSE;

/* Part 1: task T310 */
if (!Y_VALID) y_current = k0;
Y_VALID = TRUE;
y_past = y_current;
y_current = 0.2*k0 + 0.8*y_past;

/* Part 2: task T400 */
z = y_current - y_past;

/* Part 3: task T500 */
if (z > 0.2) p = TRUE;

```

FIG. 8A

FIG. 8B

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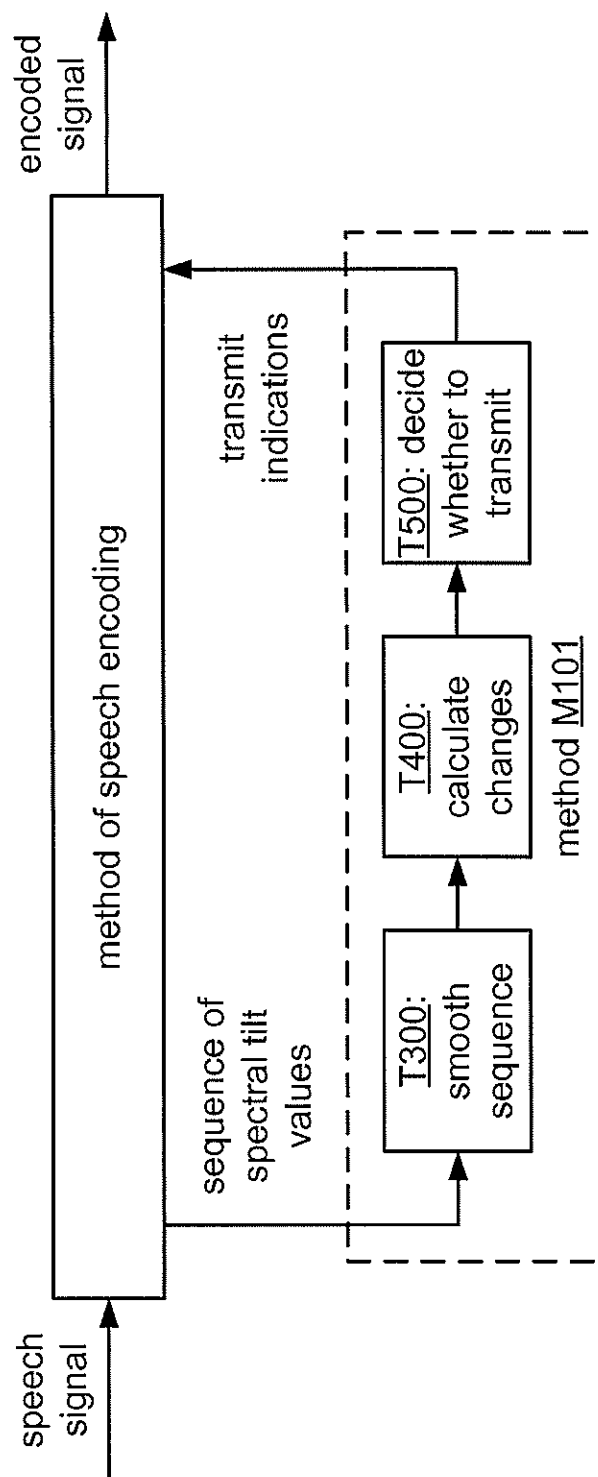


FIG. 9

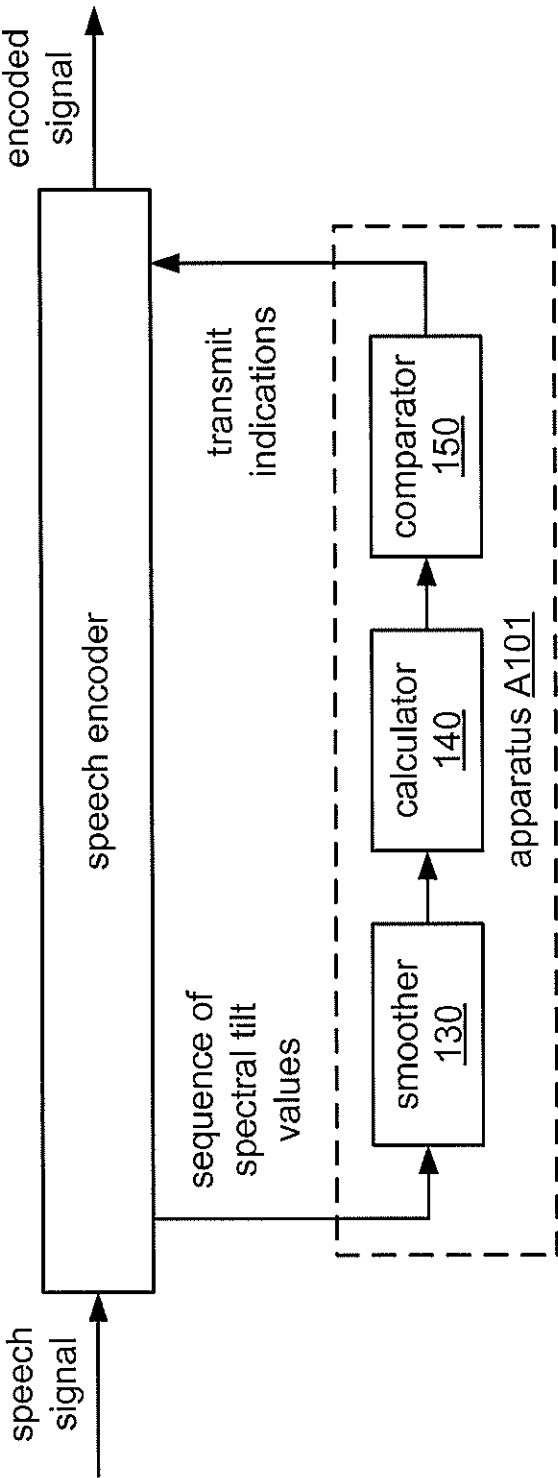


FIG. 10

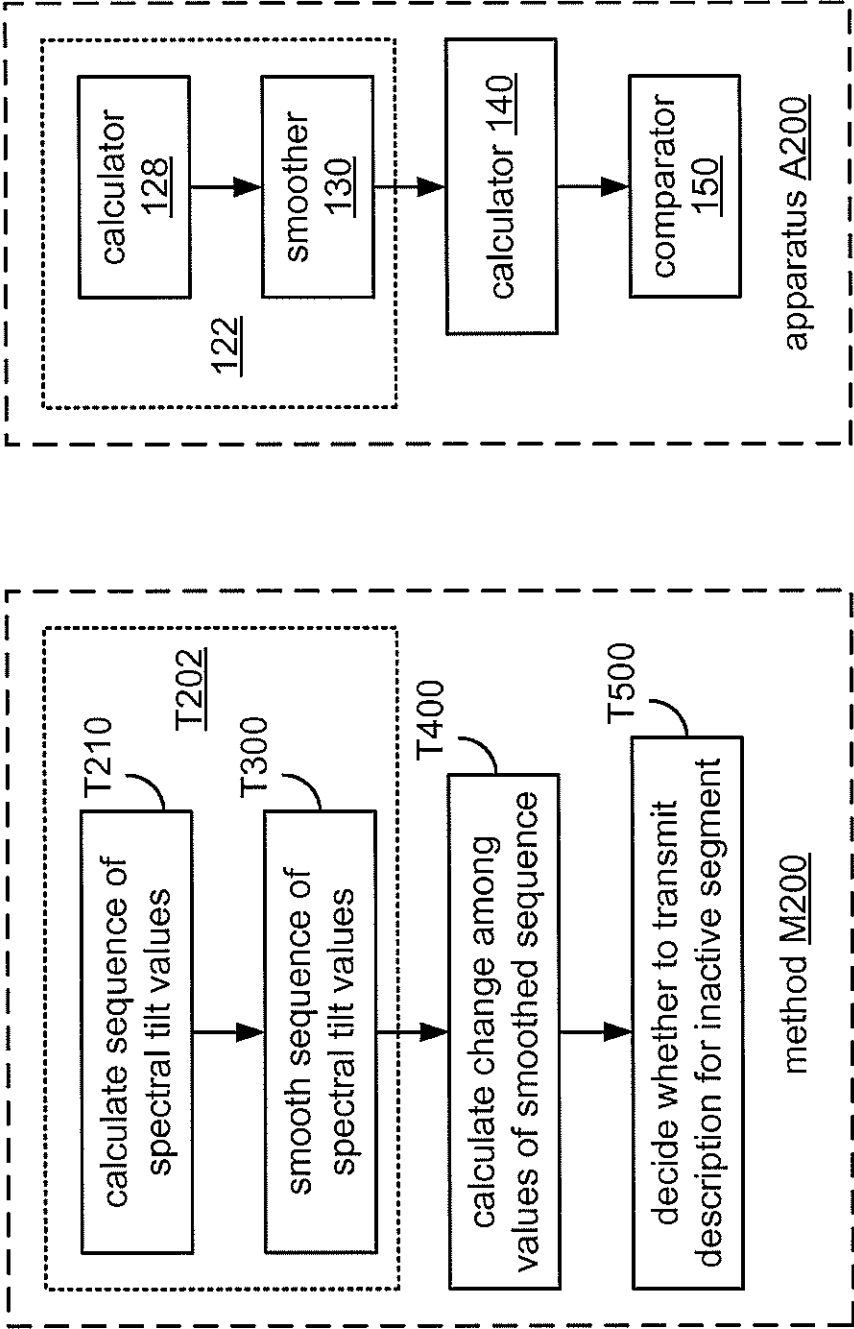
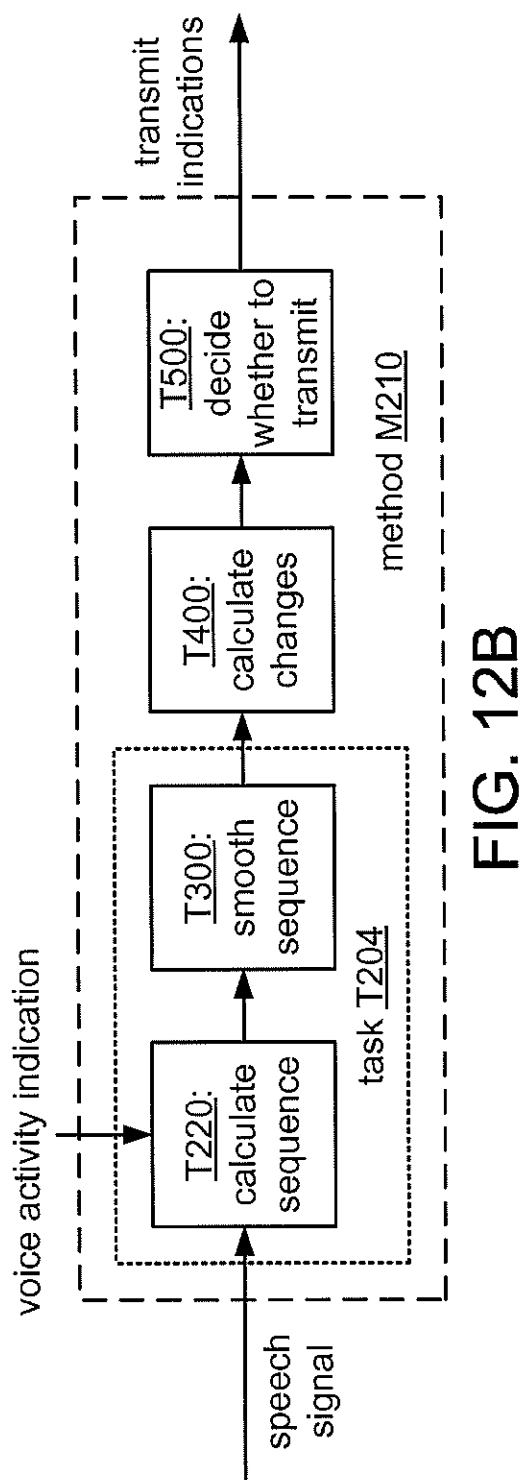
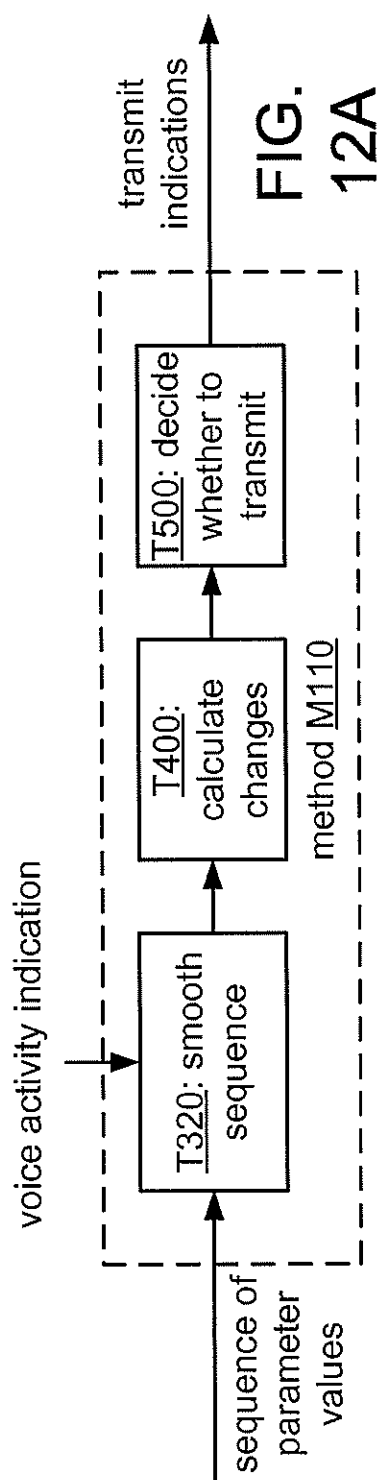
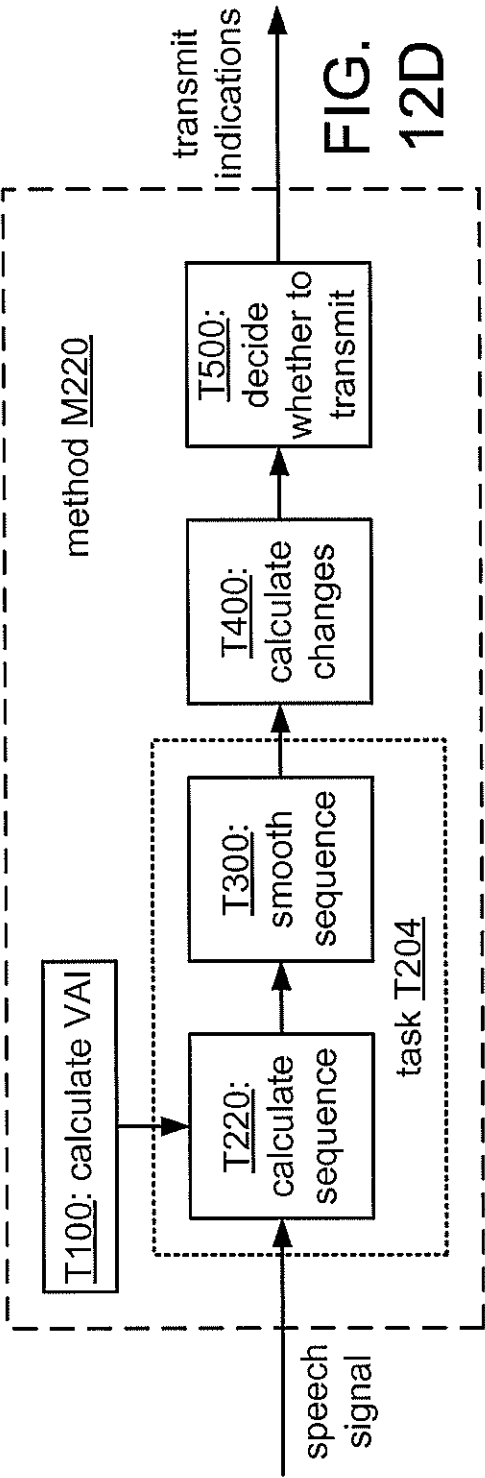
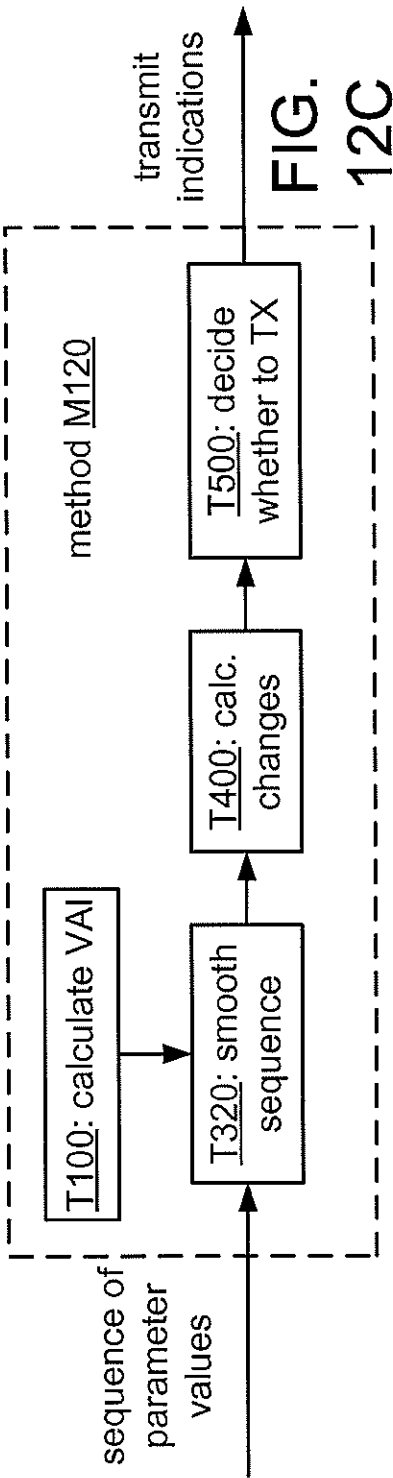


FIG. 11B

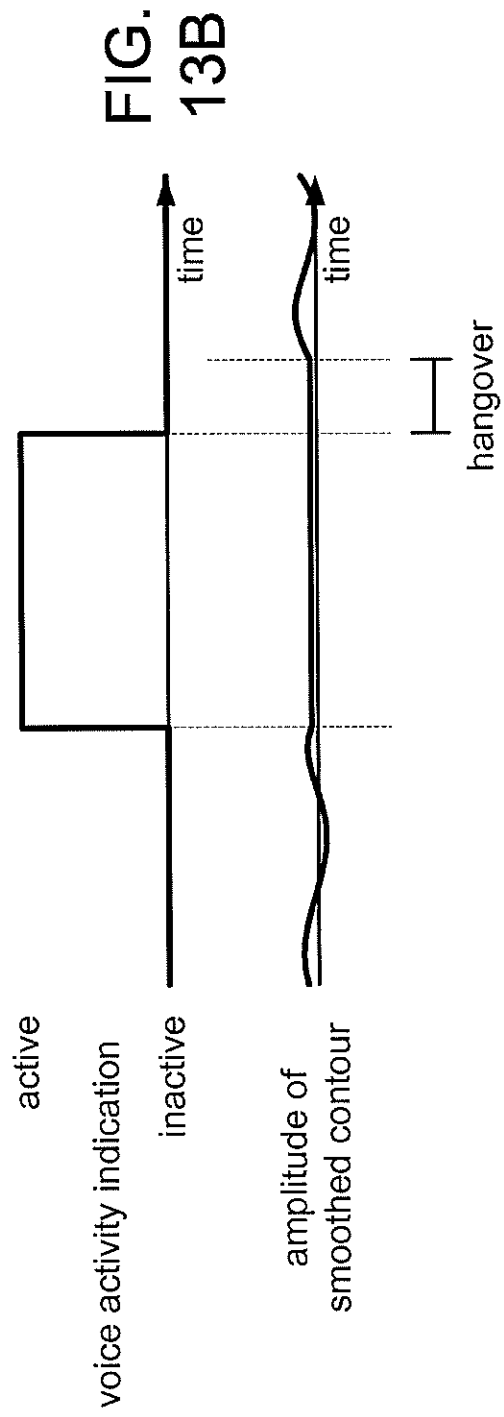
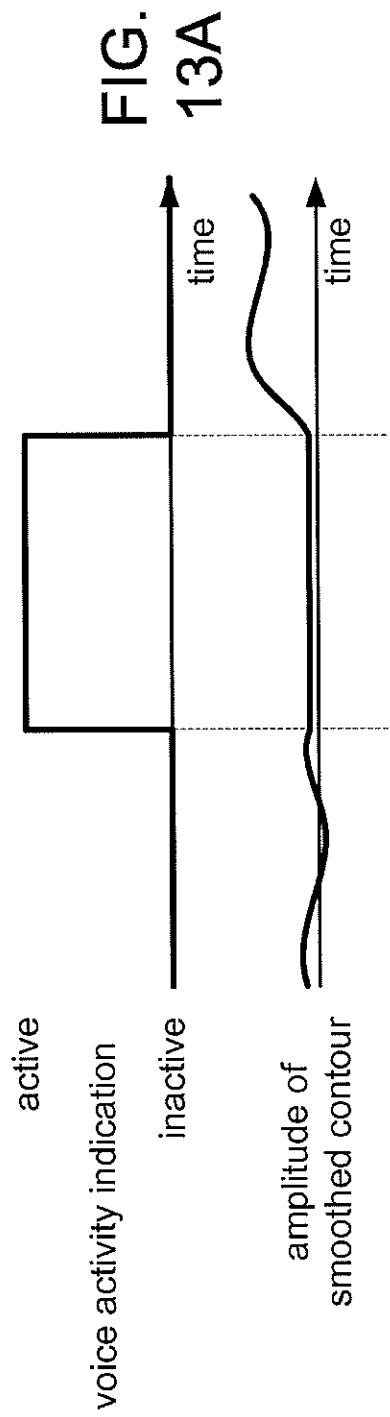
FIG. 11A

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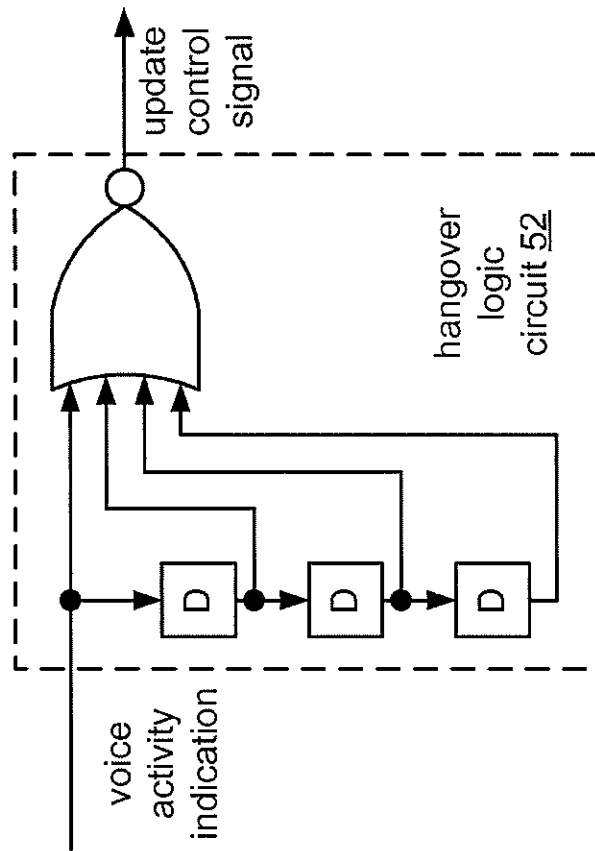




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```

p = FALSE;

/* Part 1: task T312 */
if (FRAME_ACTIVE)
{
    hangover_1 = 5; exit();
}
if (hangover_1 > 0)
{
    hangover_1--; exit();
}
if (!Y_VALID) y_current = k0;
Y_VALID = TRUE;
y_past = y_current;
y_current = 0.2*k0 + 0.8*y_past;

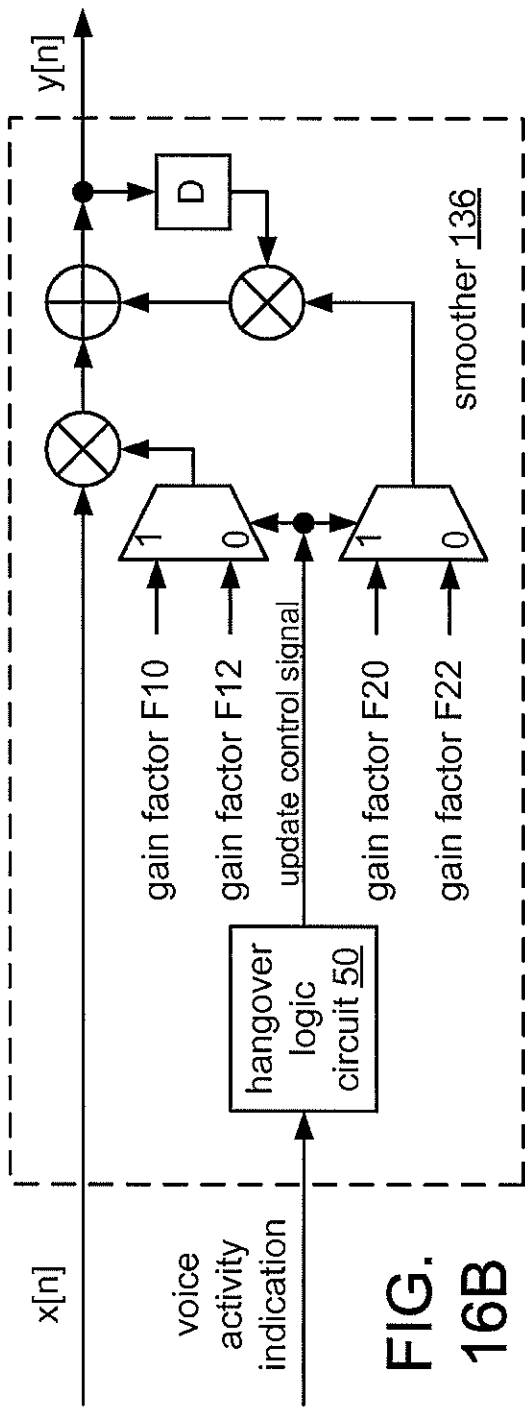
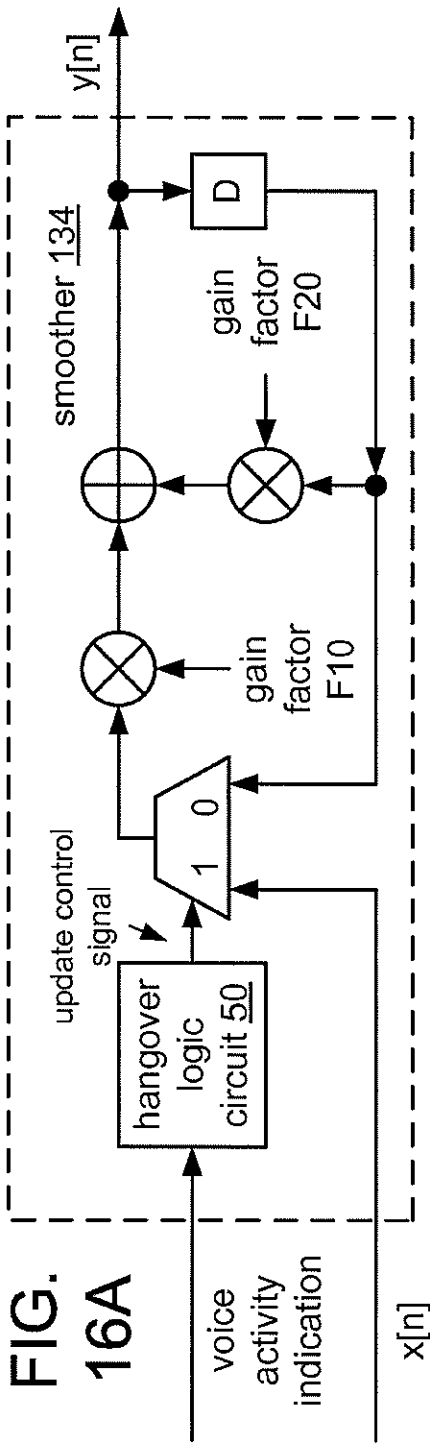
/* Part 2: task T400 */
z = y_current - y_past;

/* Part 3: task T500 */
if (z > 0.2) p = TRUE;

```

FIG. 15

FIG. 14



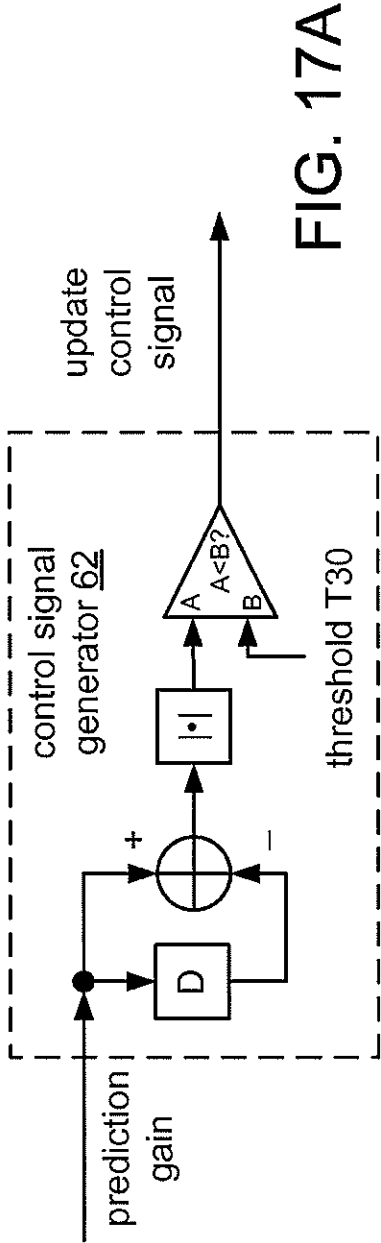


FIG. 17A

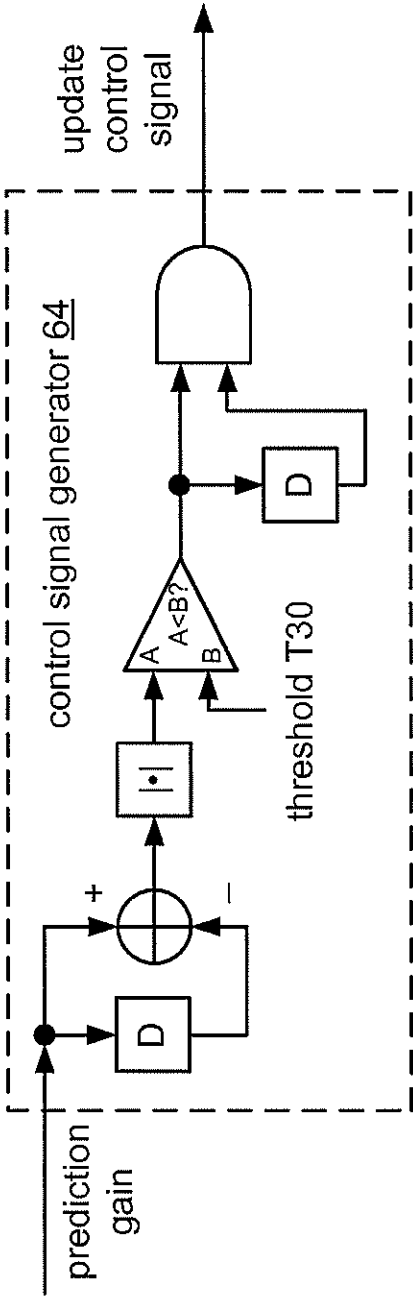


FIG. 17B

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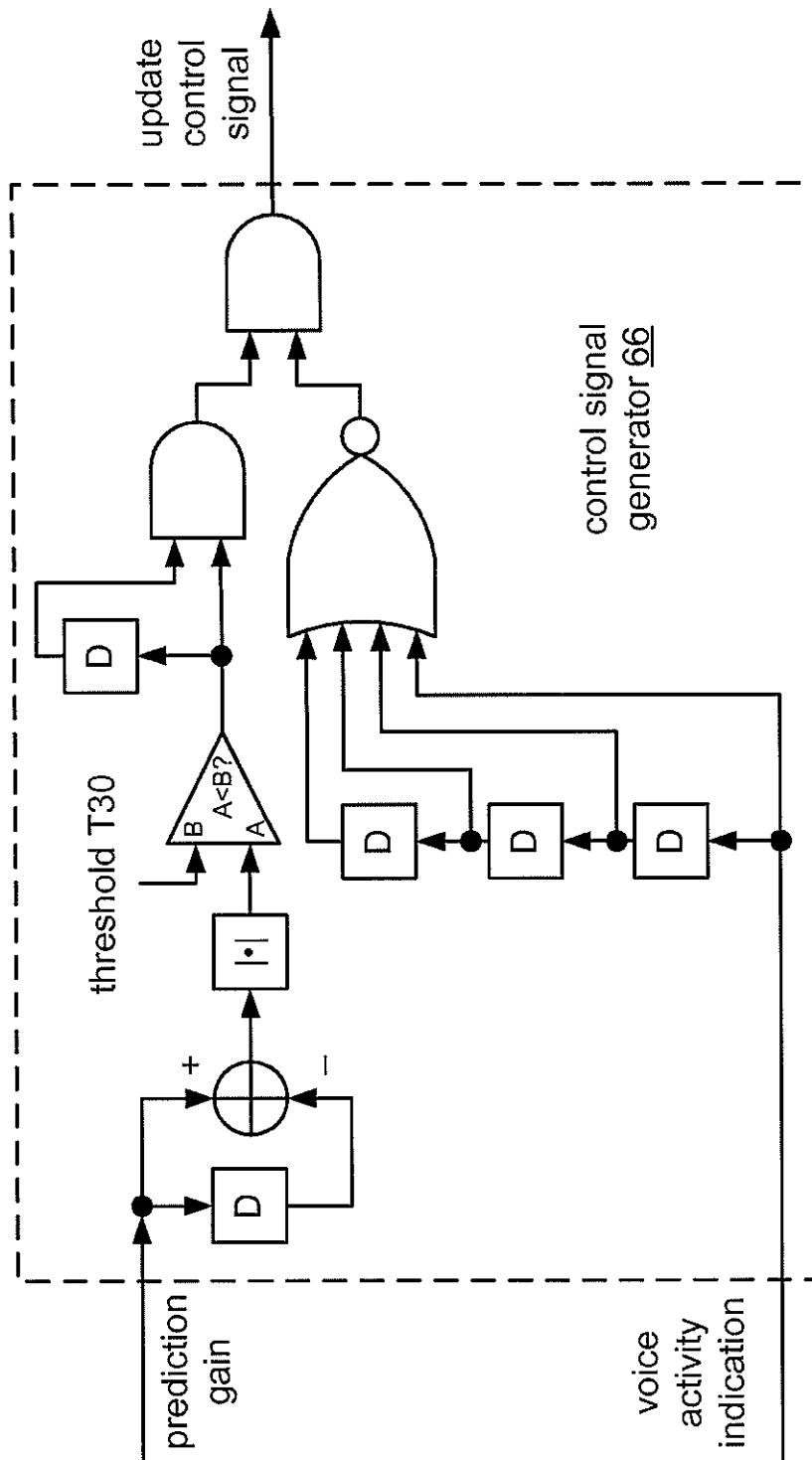
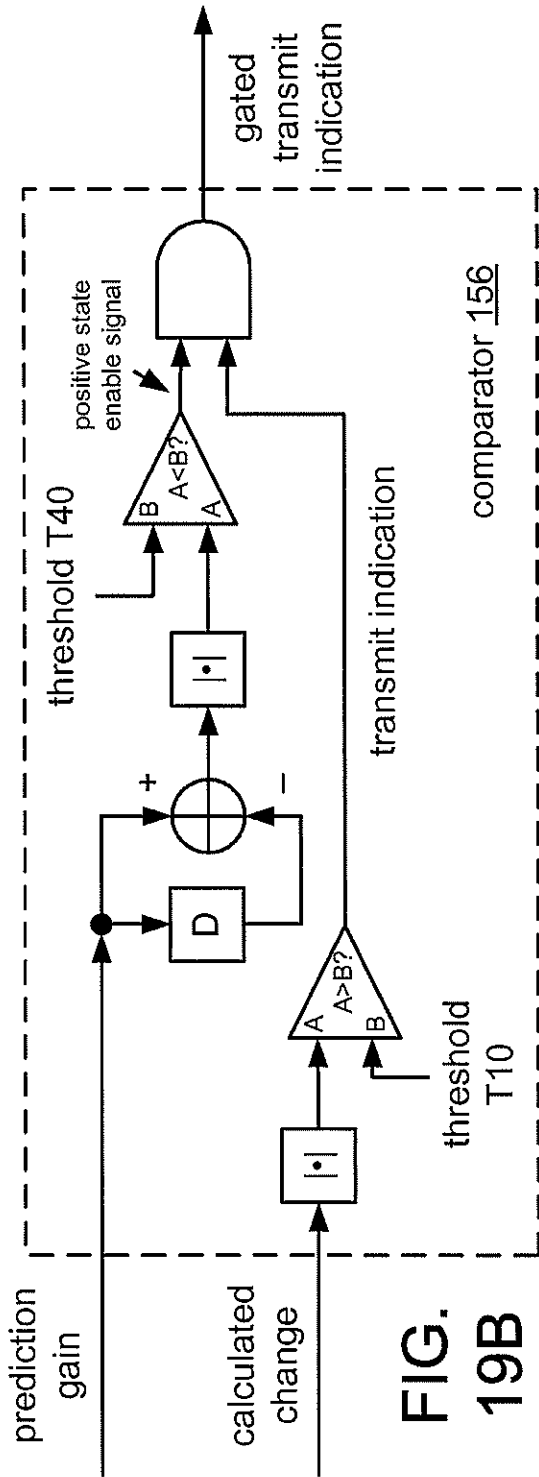
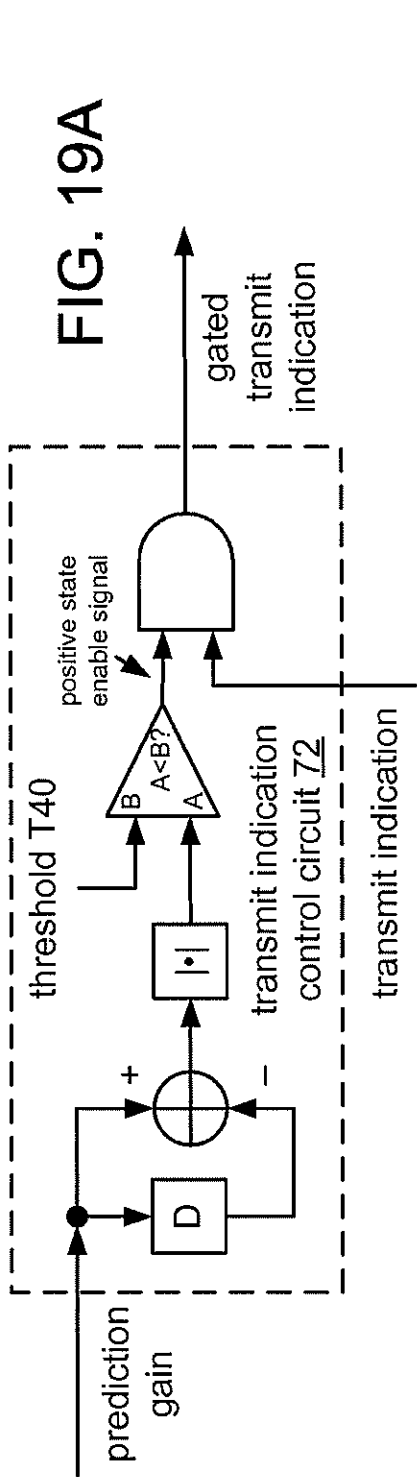


FIG. 18



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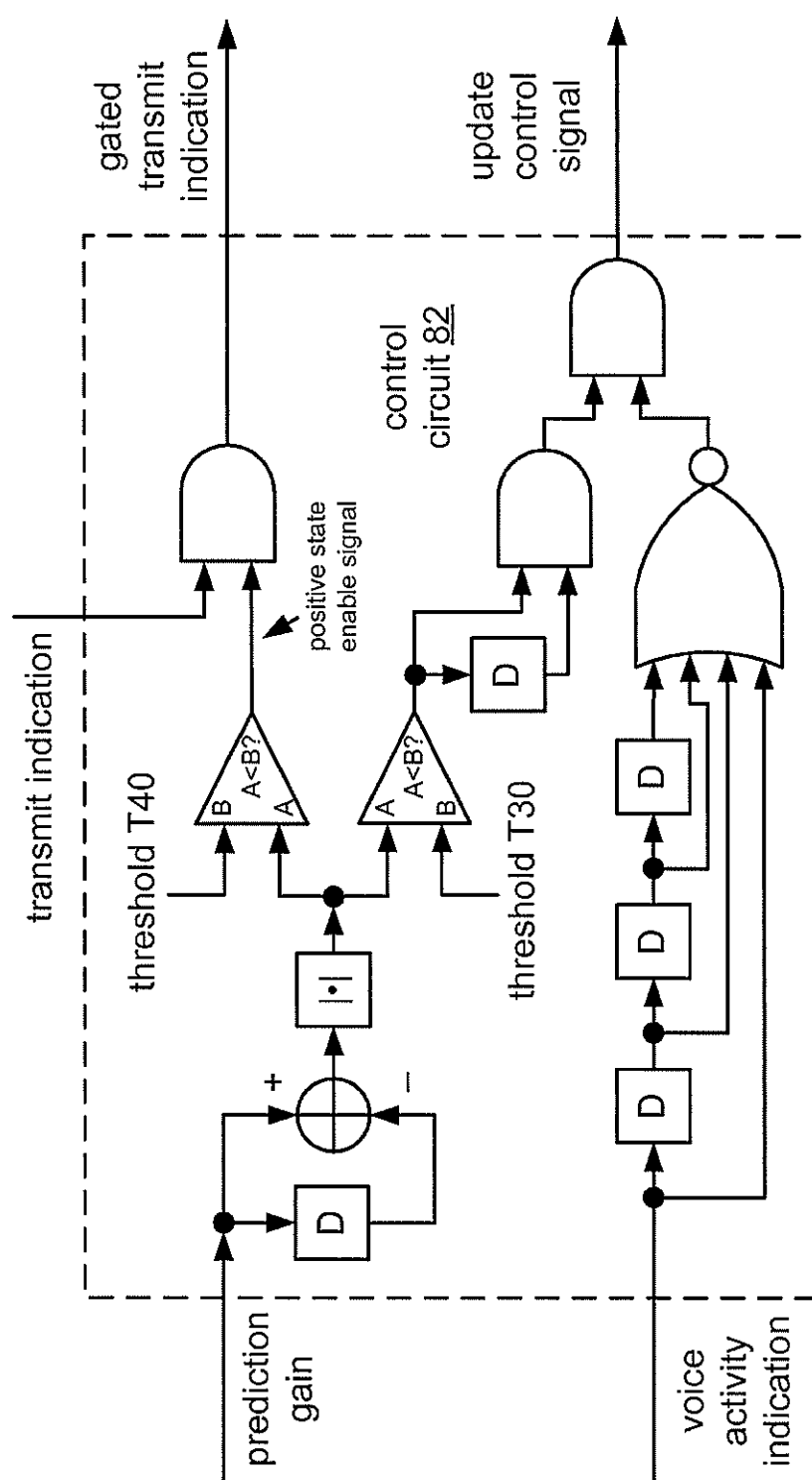


FIG. 20

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```

p = FALSE;

/* Part 1: task T332 */
if (FRAME_ACTIVE) { hangover_1 = 5; exit(); }
if (hangover_1 > 0) { hangover_1--; exit(); }
if (!Y_VALID) { Gc_current = Gc; Y_current = k0; }
Y_VALID = TRUE;
Gc_past = Gc_current;
Gc_current = Gc;
Gc_diff = abs(Gc_current - Gc_past);
if (Gc_diff > 0.72) hangover_2 = 2;
if (hangover_2 > 0) { hangover_2--; exit(); }
Y_past = Y_current;
Y_current = 0.2*k0 + 0.8*Y_past;

/* Part 2: task T400 */
z = Y_current - Y_past;

/* Part 3: task T510 */
if (z > 0.2 && Gc_diff < 0.65) p = TRUE;

```

FIG. 21