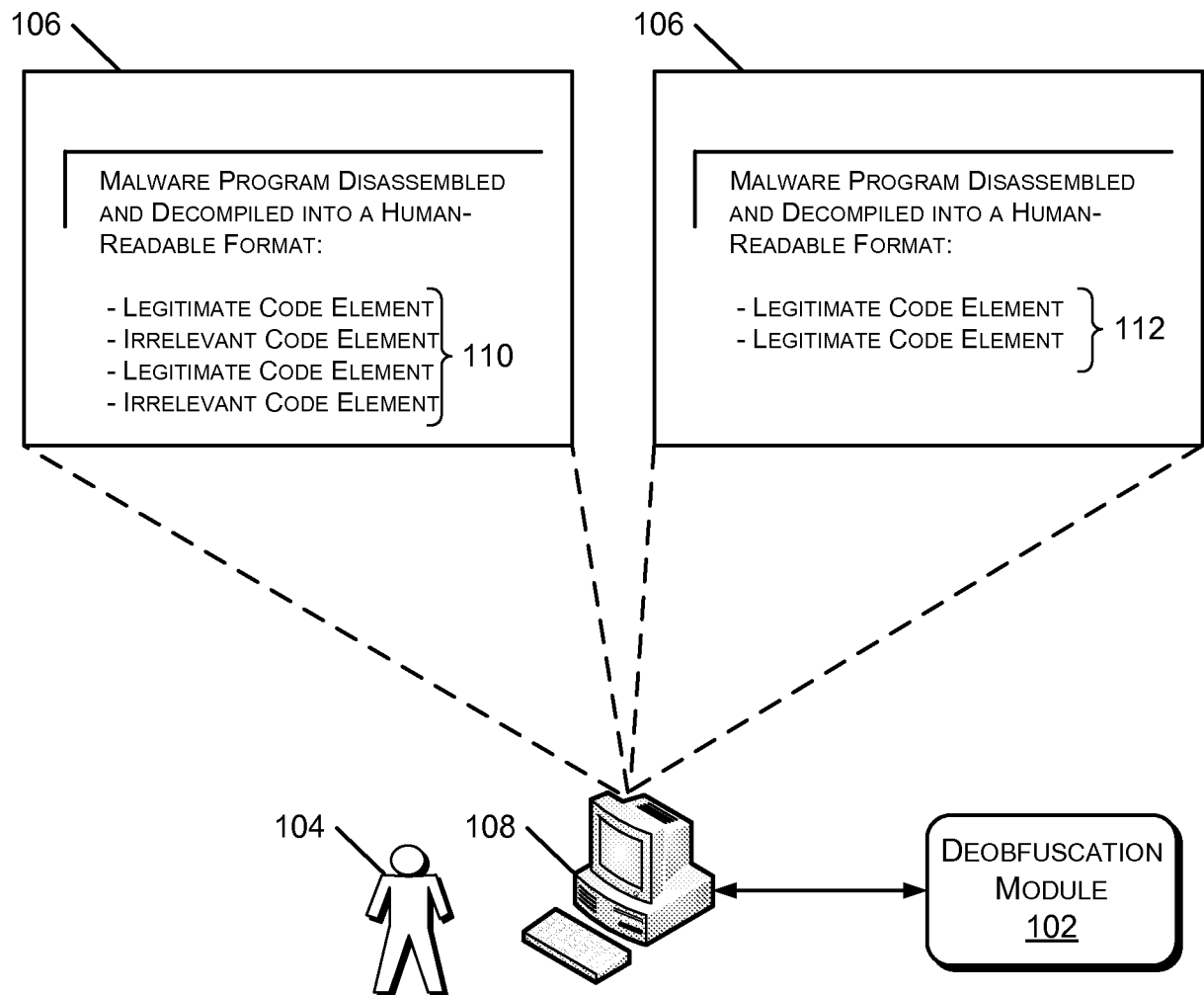
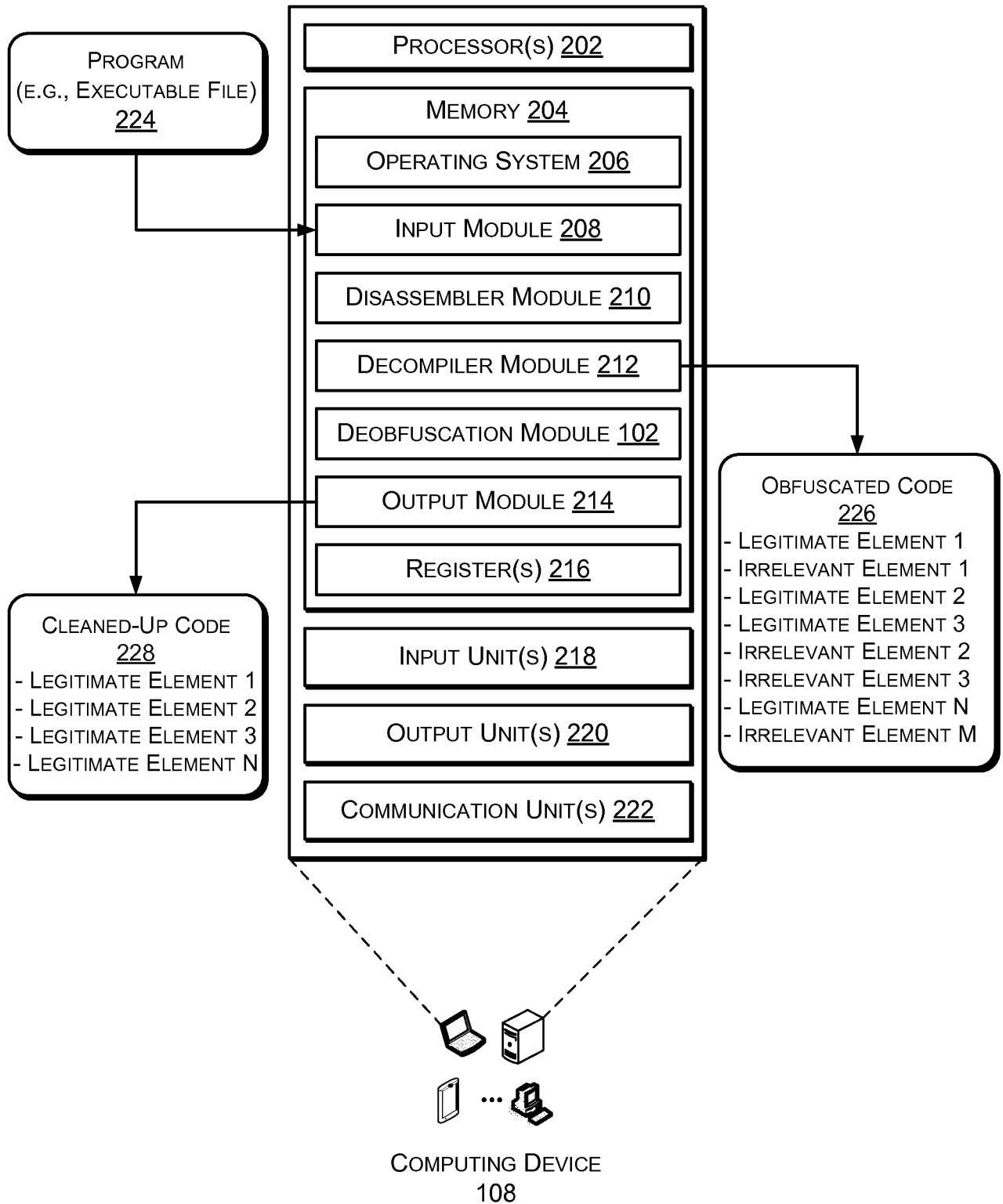


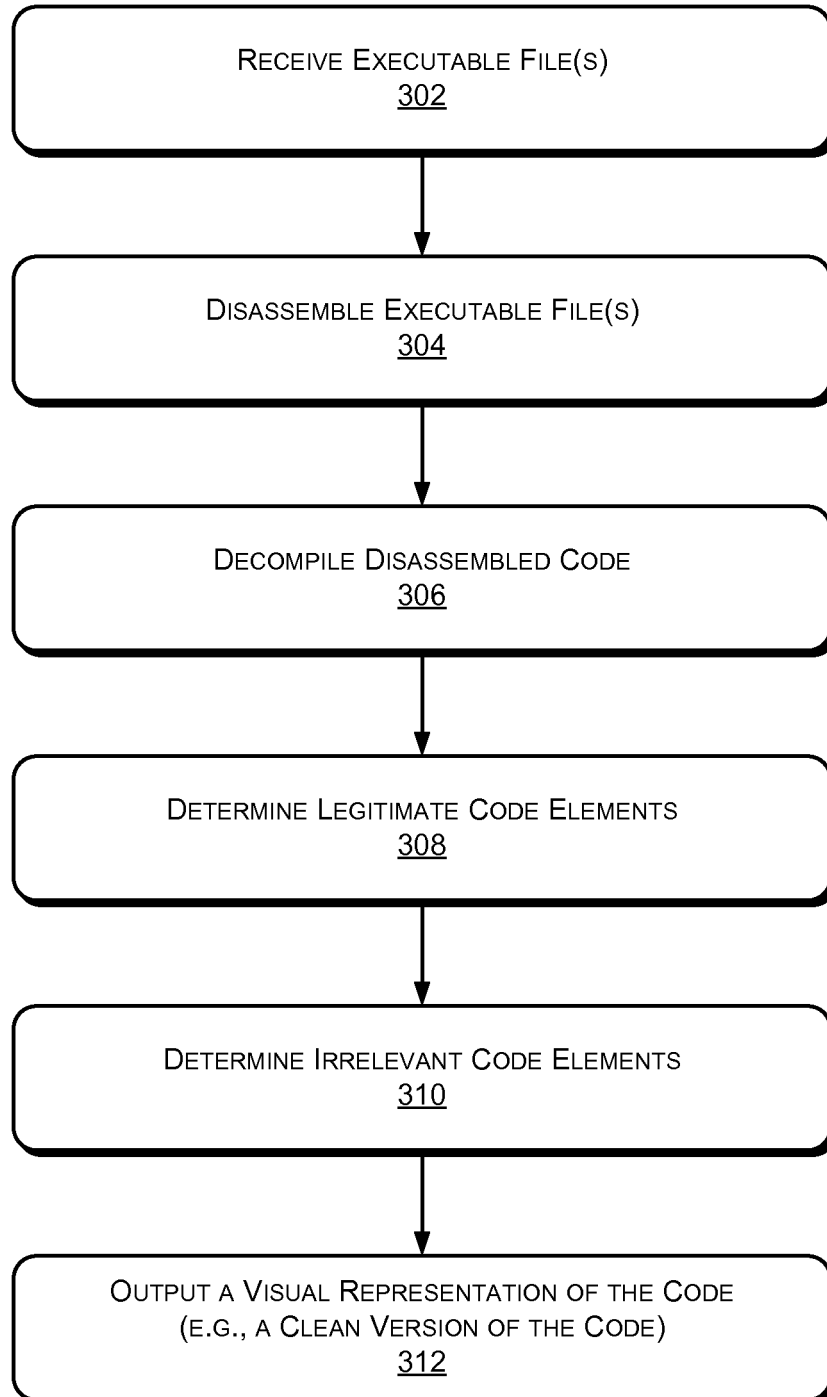
100 ↗

**FIG. 1**

200

**FIG. 2**

300 ↘

**FIG. 3**

400 ↘

```
int_cdec1 sub_40DB30 (int a1, int a2, int a3)
{
    int v3;
    int v4;
    int v5;
    int v7;
    int v8;
    signed int v9;
    int v10;

    v10 = a1;
    v7 = -1890418483;
    v8 = a3;
    v9 = -134758405;
    while (v10 != a1 + 4 * a2)
    {
        v3 = -2084904757 * v7;
        *(_DWORD *)v10 = v8;
        v4 = _ROR4_(v8, 1);
        HIWORD(v8) = HIWORD(v4);
        BYTE1(v8) = v4 + BYTE1(v4);
        v9 |= 0x7550E9ADu;
        LOBYTE(v8) = v4 + BYTE1(v4) + v4;
        v5 = (v3 + v3 - 2066108466) & 0x7B265032 ^ v3 ^ ((v3 +
            v3 - 2066108466) & 0x7B265032) + 515510700);
        v7 = v5 & 0x2F0000;
        v10 += 4;
    }
    return v7 - v9 * v7;
}
```

FIG. 4

500 ↗

```

int_cdec1 sub_40DB30 (int OK_a1, int OK_a2, int OK_a3)
{
    int v3;
    int OK_v4; ← 512
    int v5;
    int v7;
    int OK_v8;
    signed int v9;
    int OK_v10; ← 506

    OK_v10 = OK_a1; ← 504
    v7 = -1890418483;
    OK_v8 = OK_a3; ← 510
    v9 = -134758405;
    while (OK_v10 != OK_a1 + 4 * OK_a2)
    {
        v3 = -2084904757 * v7;
        508 → *(_DWORD *)OK_v10 = OK_v8;
        OK_v4 = _ROR4_(OK_v8, 1);
        HIWORD(OK_v8) = HIWORD(OK_v4);
        BYTE1(OK_v8) = OK_v4 + BYTE1(OK_v4);
        v9 |= 0x7550E9ADu;
        LOBYTE(OK_v8) = OK_v4 + BYTE1(OK_v4) + OK_v4;
        v5 = (v3 + v3 - 2066108466) & 0x7B265032 ^ v3 ^ (((v3 +
            v3 - 2066108466) & 0x7B265032) + 515510700);
        v7 = v5 & 0x2F0000;
        OK_v10 += 4;
    }
    return v7 - v9 * v7; ← 514
}

```

FIG. 5

600 

```
int_cdec1 sub_40DB30 (int OK_a1, int OK_a2, int OK_a3)
{
    int OK_v4;

    int OK_v8;

    int OK_v10;

    OK_v10 = OK_a1;

    OK_v8 = OK_a3;

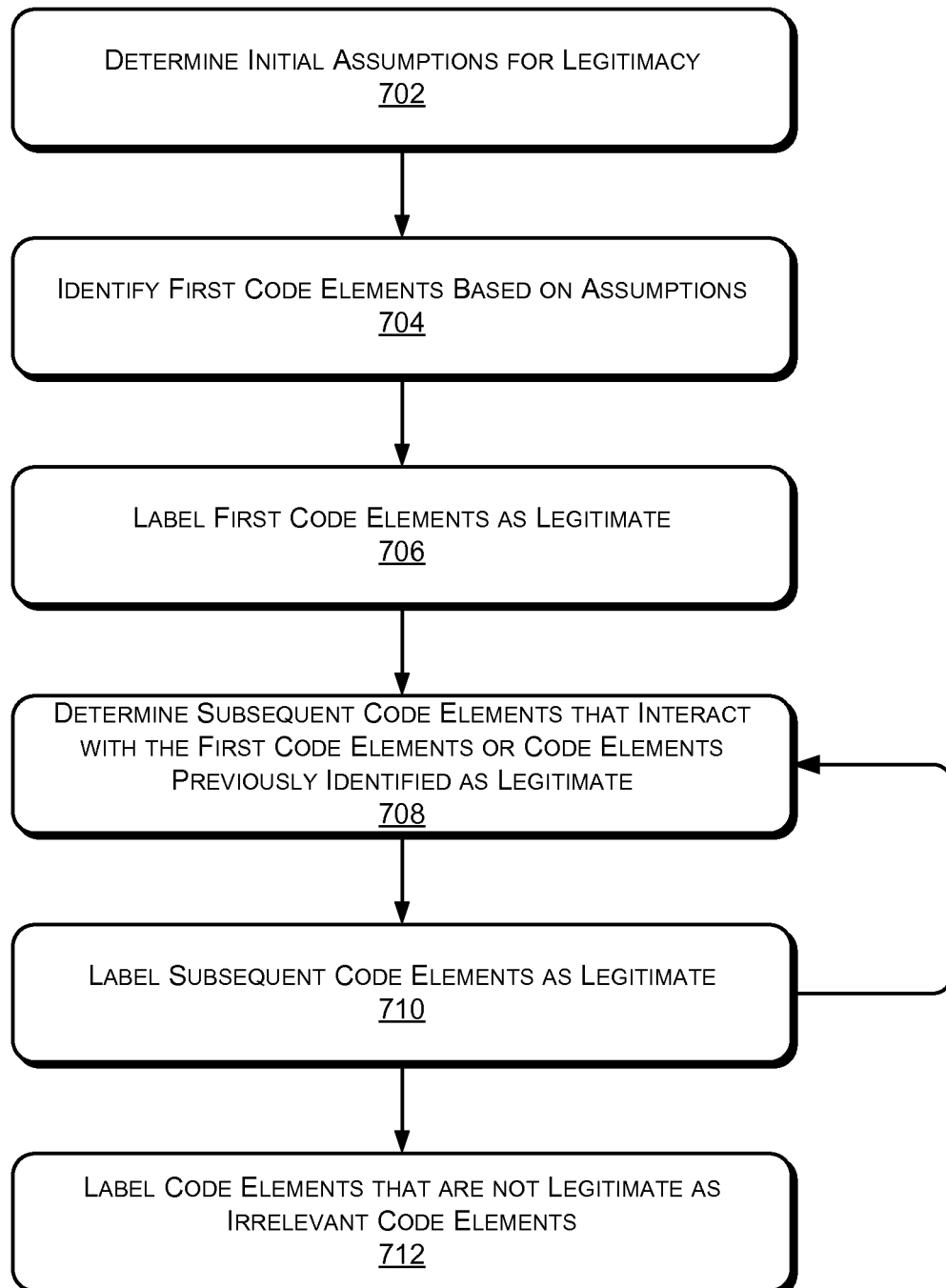
    while (OK_v10 != OK_a1 + 4 * OK_a2)
    {
        *(_DWORD *)OK_v10 = OK_v8;
        OK_v4 = _ROR4_(OK_v8, 1);
        HIWORD(OK_v8) = HIWORD(OK_v4);
        BYTE1(OK_v8) = OK_v4 + BYTE1(OK_v4);

        LOBYTE(OK_v8) = OK_v4 + BYTE1(OK_v4) + OK_v4;

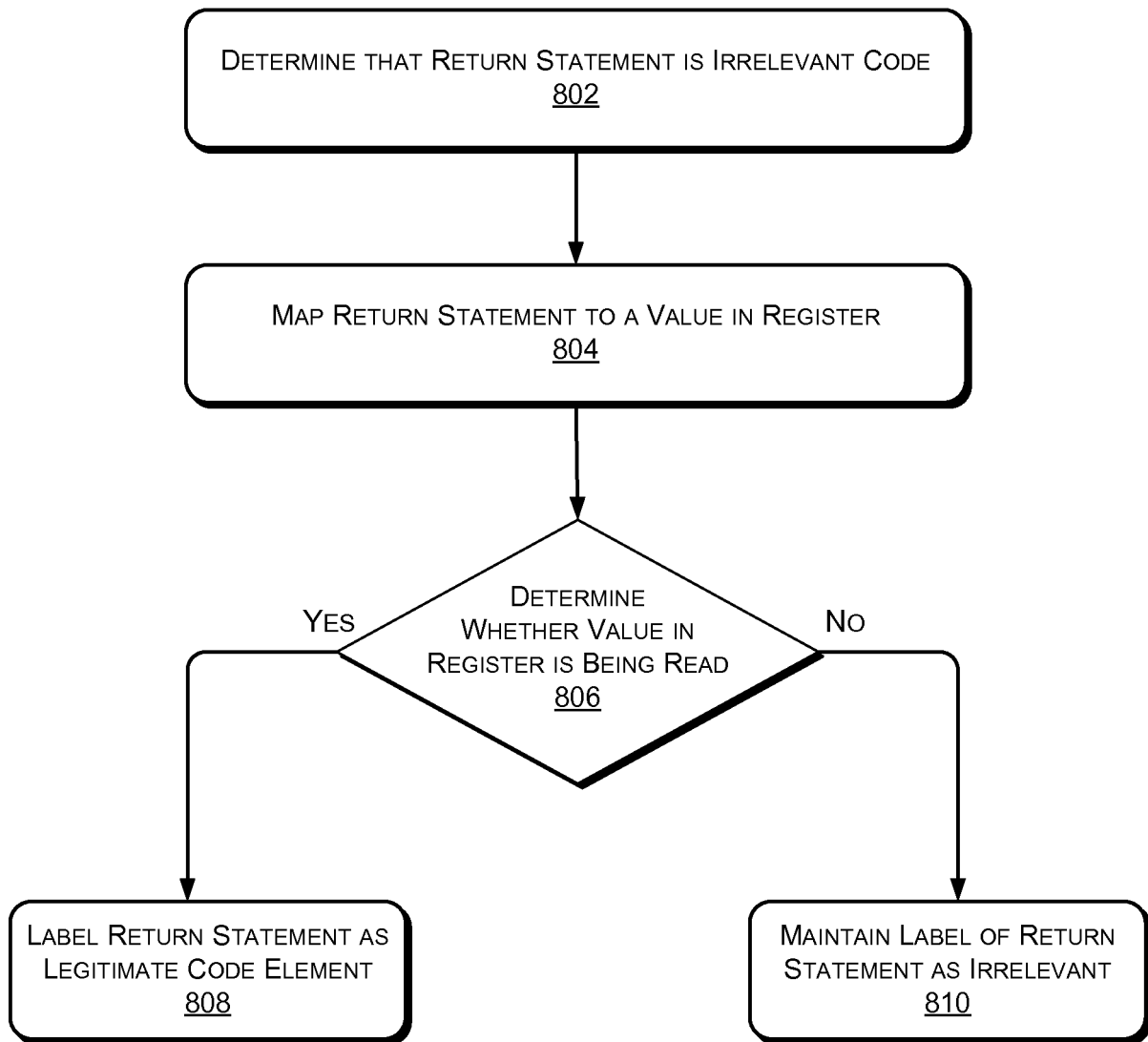
        OK_v10 += 4;
    }
}
```

FIG. 6

700 ↘

**FIG. 7**

800 ↗

**FIG. 8**