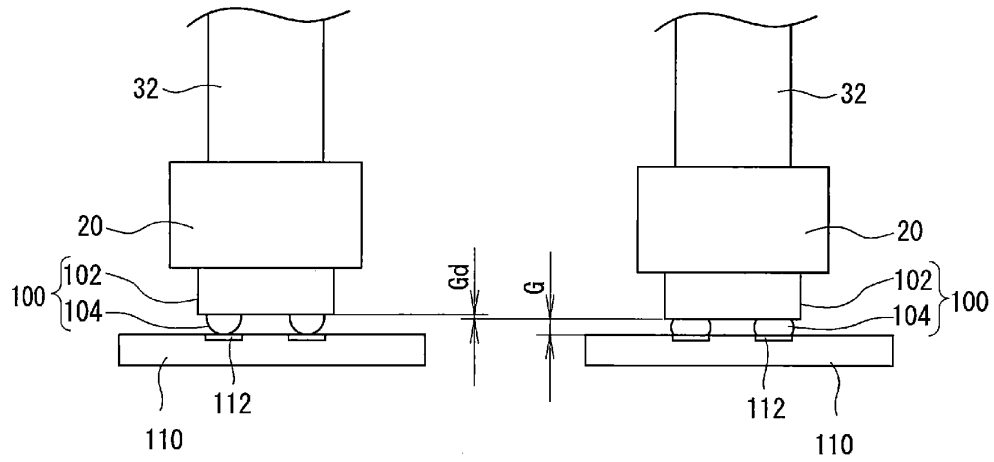
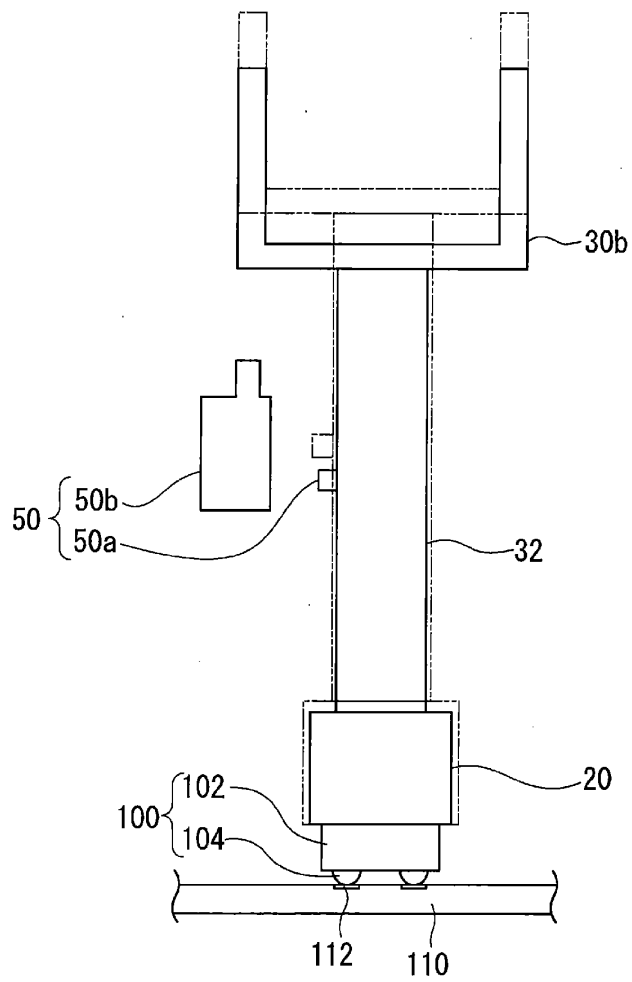


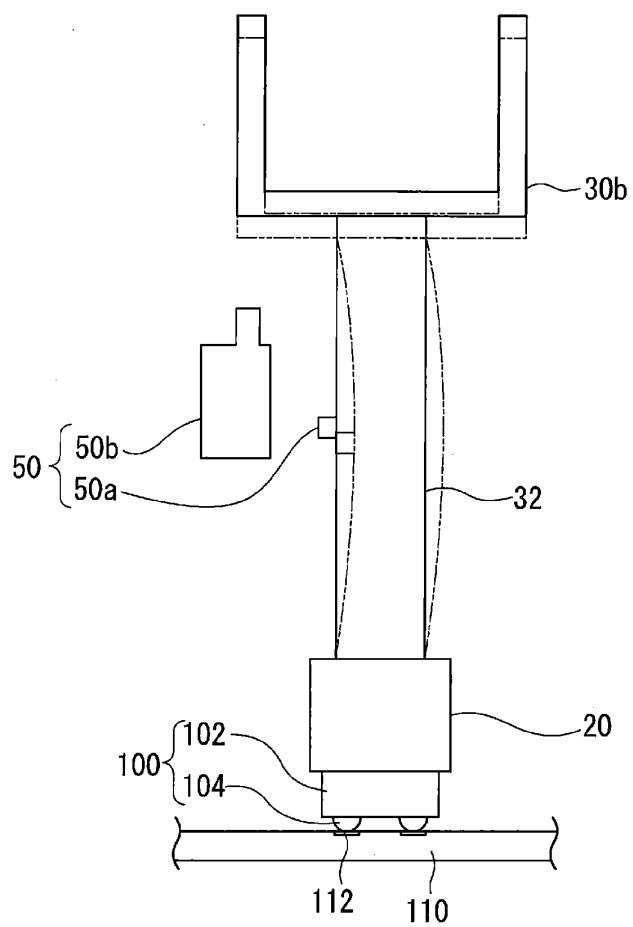
[図2]



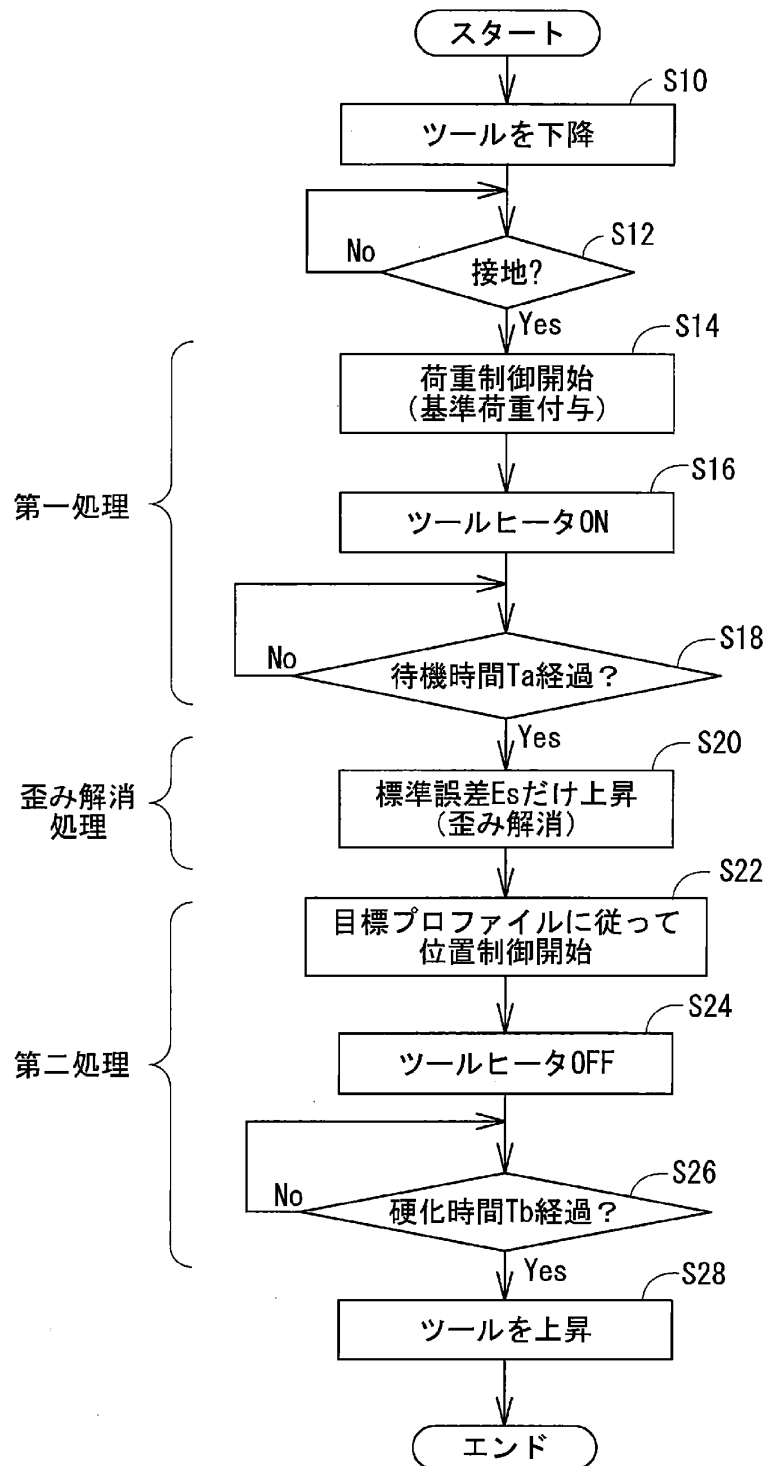
[図3]



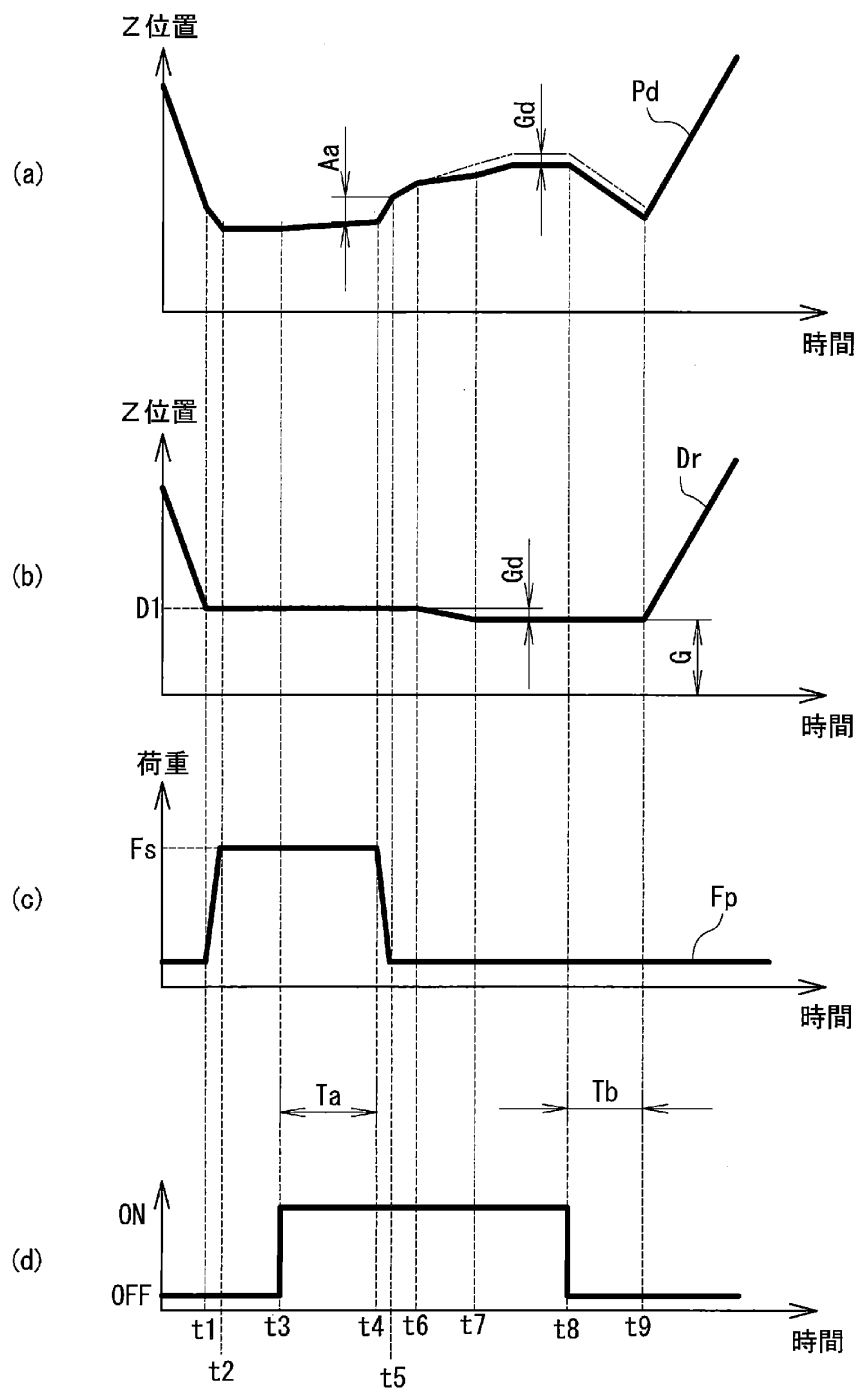
[図4]



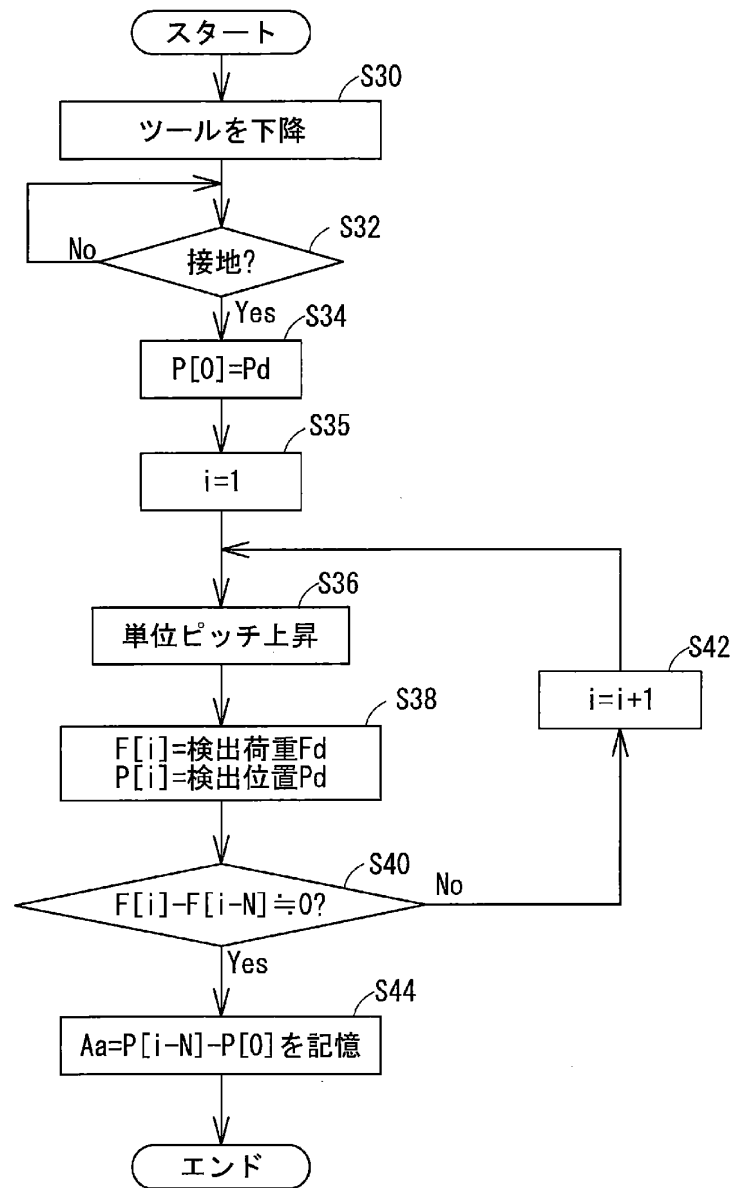
[図5]



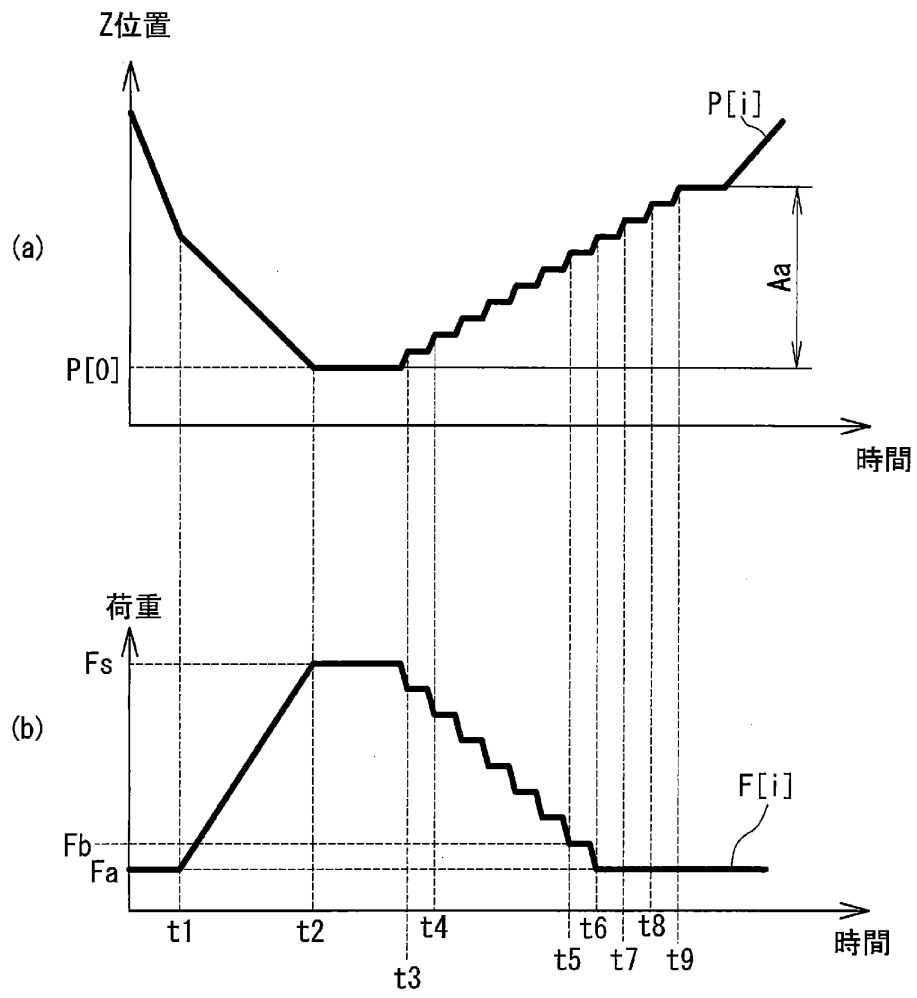
[図6]



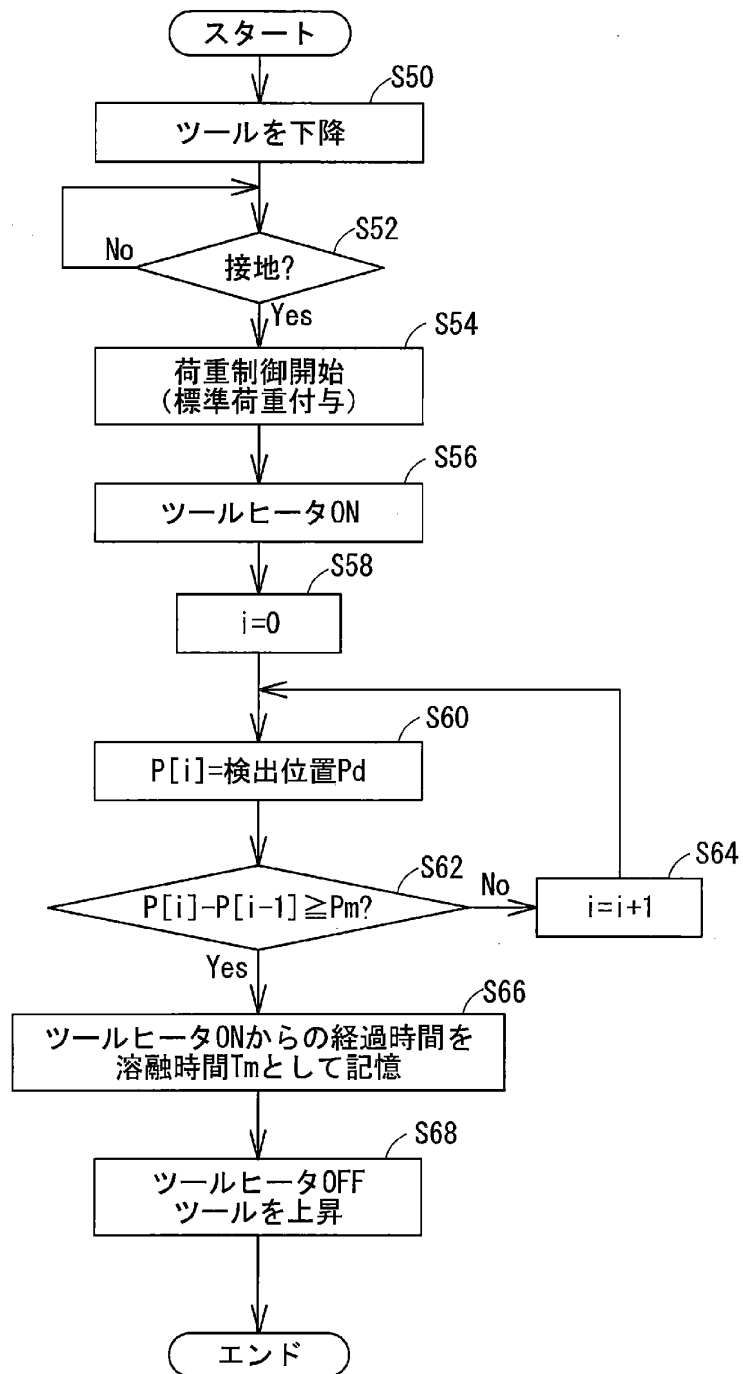
[図7]



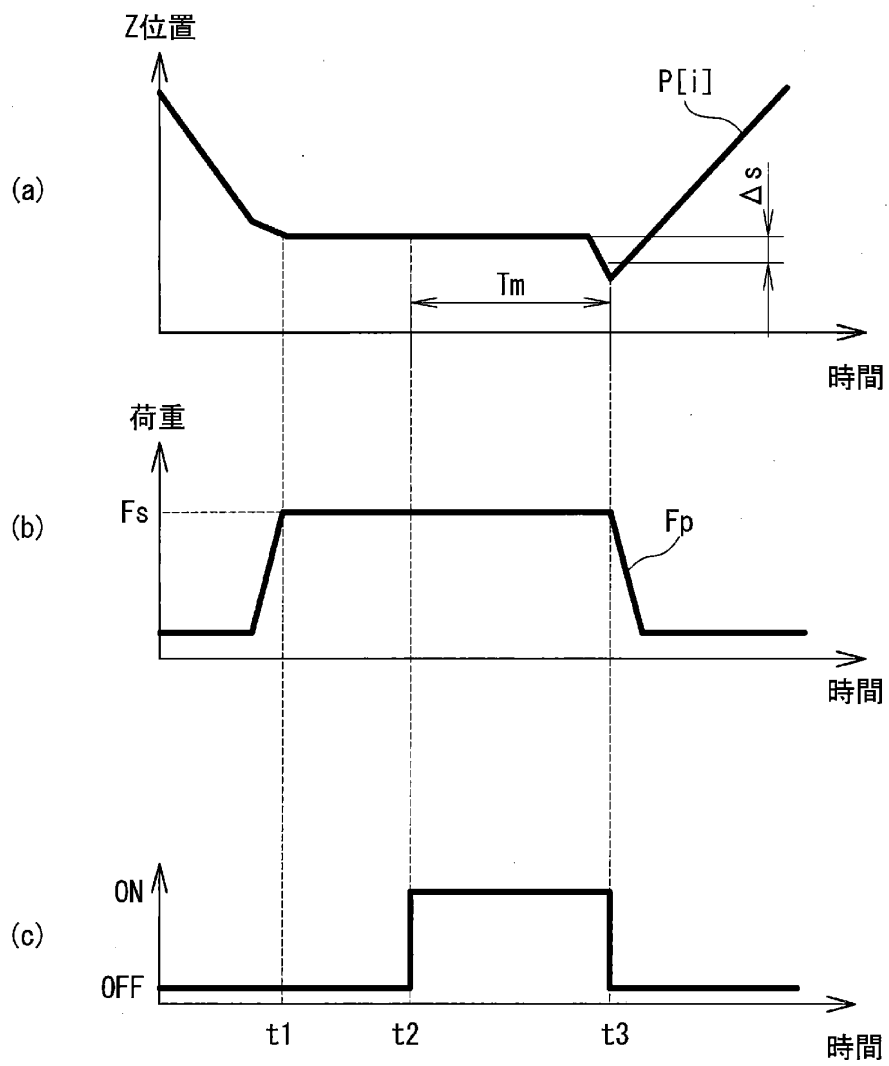
[図8]



[図9]



[図10]



[図11]

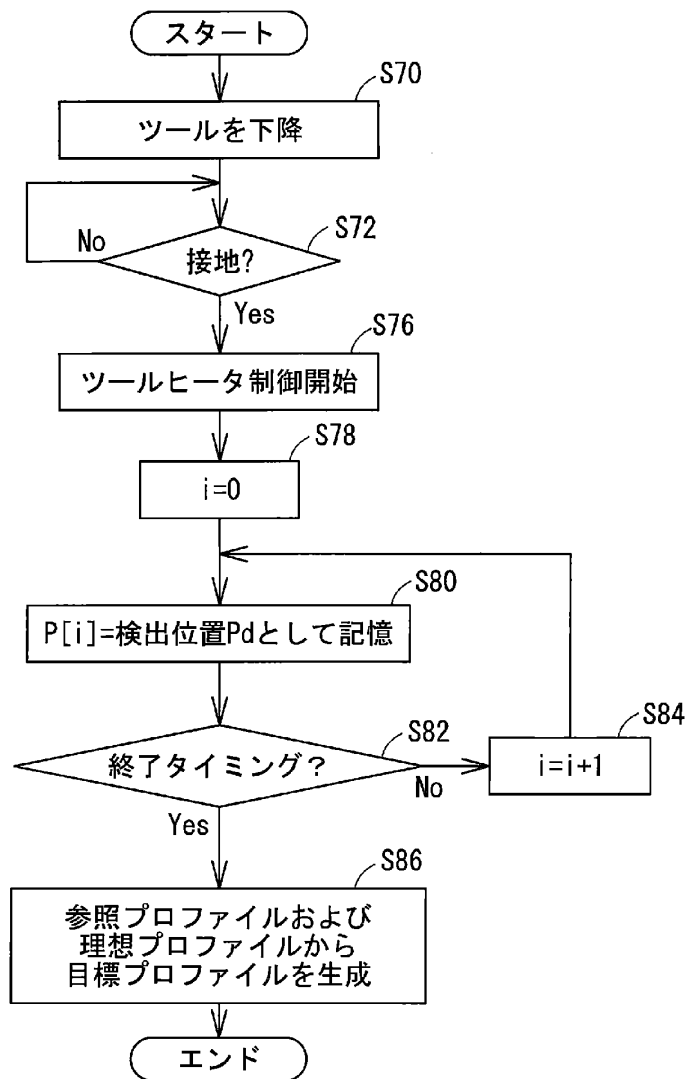


Figure 1 consists of three vertically aligned graphs sharing a common time axis.

- (a) Z位置 vs. 時間:** Shows a trapezoidal profile $P[i]$. The vertical axis is labeled "Z位置". The horizontal axis is labeled "時間". The profile starts at a level $P[0]$, rises linearly to a peak level 90 , remains constant at 90 for a duration, and then falls linearly to a lower constant level. Vertical dashed lines mark time points t_1 through t_6 .
- (b) ON/OFF vs. 時間:** Shows a digital control signal. The vertical axis has labels "ON" and "OFF". The signal is "OFF" until t_1 , jumps to "ON" at t_1 , remains "ON" until t_4 , and then jumps back to "OFF". Vertical dashed lines mark t_1 through t_6 .
- (c) Z位置 vs. 時間:** Shows a noisy Z-position profile 94 (solid line) and its average profile 90^* (dashed line). The vertical axis is labeled "Z位置". The horizontal axis is labeled "時間". A reference level 92 is indicated by a horizontal dashed line. The vertical distance between the average profile 90^* and the reference level 92 is labeled Gd . The time delay between the start of the pulse in (b) and the start of the response in (c) is labeled t_a . Vertical dashed lines mark t_1 through t_6 .