

Robot and Robot Controlling Method

ABSTRACT

5 A robot (100) includes a robot arm (10), a drive
mechanism to drive the robot arm (10), and a controller
(30). The drive mechanism includes an inclined gear
including teeth extending in a direction inclined with
respect to a rotation axis direction of rotation as viewed
10 in a radial direction of the rotation. The controller
(30) is configured or programmed to compensate for an
influence of an axial deviation of the inclined gear in
the rotation axis direction due to thermal expansion of at
least one of the robot arm (10) or the drive mechanism
15 based on the temperature of the robot arm (10).

[Fig. 1]