

ABSTRACT

A cutting apparatus receives a supply of process water from a water supply facility outside the cutting apparatus. The cutting apparatus includes a cutting unit, a supply unit, a detection unit, an adjustment unit, and a control unit. The cutting unit cuts an object to be cut. The supply unit directly or indirectly supplies process water received from the water supply facility to at least either the object to be cut or the cutting unit. The detection unit detects the flow rate of the process water supplied by the supply unit. The adjustment unit adjusts the flow rate of the process water supplied by the supply unit. The control unit performs both feedforward control, in which the adjustment unit is controlled based on a disturbance factor before cutting of the object to be cut, and feedback control, in which the adjustment unit is controlled based on the detection result of the detection unit such that the detection result approaches a target value.

Fig. 1