

CUTTING BLADE STATE DETECTING METHOD

ABSTRACT

A cutting blade state detecting method includes a voltage recording step in which a cutting edge enters an entering section from a position where the cutting edge does not shield pulsed light to be received by a light receiving section while rotating a cutting blade and variation in voltage value is recorded, and a determining step of determining a state of the cutting edge from the variation in the voltage value recorded. In the determining step, it is determined that chipping is absent in the cutting edge in a case where an increase in the voltage value is absent, and it is determined that chipping has been generated in the cutting edge in a case where a periodical and temporary increase in voltage is generated from immediately after the shielding of the pulsed light by the cutting edge is started.

[Fig. 8]