

Abstract

A cutting device (4) of a silicon rod cutting system, and the silicon rod cutting system. The cutting device (4) includes: a support frame (44), installed on a machine base (1) of the silicon rod cutting system; two cutting machine head mechanisms (41), wherein each cutting machine head mechanism is provided with a diamond wire, a cutting segment of the diamond wire is used for cutting a silicon rod from top to bottom while moving; and a feeding mechanism, wherein the support frame (44) is connected with the two cutting machine head mechanisms (41) by means of the feeding mechanism, and the two cutting segments are disposed opposite to each other; and the feeding mechanism is used for driving the two cutting machine head mechanisms (41) to move towards and away from each other, so as to adjust the distance between the two cutting segments, and the feeding mechanism is further used for driving the two cutting machine head mechanisms (41) to move up and down in a vertical direction, so as to cut and reset a vertically disposed silicon rod. The cutting device (4) may be applicable to vertically cutting silicon rods of various diameters, so that the universality is very high. The present disclosure further relates to a cutting system including the cutting device (4).