TWO-DIMENSIONAL CODE GENERATION AND DECODING METHODS, APPARATUSES, AND DEVICES

ABSTRACT

Embodiments of this specification disclose two-dimensional code generation and decoding methods, apparatuses, and devices. The method includes: obtaining two-dimensional code of a to-be-generated two-dimensional code image; performing error resilient coding by using a coding algorithm with a predetermined error-tolerant rate, to obtain error-tolerant-processed two-dimensional code; determining a code element shape that is corresponding to each data information bit in the error-tolerant-processed two-dimensional code and that is in a generation region of the two-dimensional code image; determining, according to a predetermined arrangement rule of the two-dimensional code, first position information that is corresponding to each data information bit of the error-tolerant-processed two-dimensional code and that is in the generation region; determining second position information of each positioning point bit in the generation region; and generating the two-dimensional code image based on the first position information, the code element shape corresponding to each data information bit, and the second position information of each positioning point bit.

FIG. 1