

NARROW-STRIP 2-DIMENSIONAL BAR CODES, METHODS, APPARATUSES, AND DEVICES FOR GENERATING AND IDENTIFYING NARROW-STRIP 2- DIMENSIONAL BAR CODES

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ABSTRACT

Embodiments of the present specification provide a narrow-strip 2-dimensional bar code and a method, an apparatus, and a device for generating and identifying a narrow-strip 2-dimensional bar code. The generation method includes: determining a rectangular region, where the rectangular region includes blocks to be filled and arranged in a grid shape; separately filling two square regions at two vertices in the rectangular region with two positioning graphs, where each positioning graph includes a central square structure formed by a first color block, and an enclosure structure formed by second color blocks and surrounding the square structure by one round; for each positioning graph in the rectangular region, filling a region surrounding the positioning graph with first color blocks, to form a corresponding isolation region; and filling a data region with a first color block and a second color block that are corresponding to 2-dimensional bar code data, where the data region is a region in the rectangular region excluding the two positioning graphs and corresponding isolation regions.

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FIG. 1