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(54) **Title:** NARROW-STRIP TWO-DIMENSIONAL BARCODE, AND METHOD, APPARATUS AND DEVICE FOR GENERATING AND RECOGNIZING NARROW-STRIP TWO-DIMENSIONAL BARCODE

(54) 发明名称: 窄条二维码、窄条二维码的生成、识别方法、装置及设备

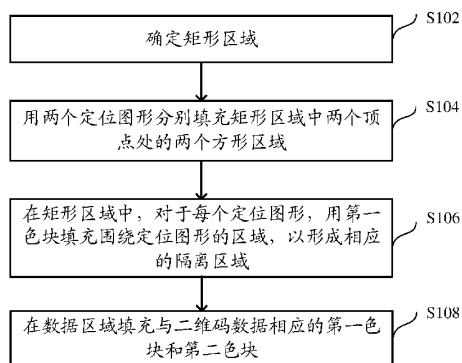


图 1

S102 Determine a rectangular area

S104 Respectively fill two square areas at two vertexes in the rectangular area with two positioning patterns

S106 In the rectangular area, for each positioning pattern, fill an area surrounding the positioning pattern with a first color block to form a corresponding isolation area

S108 Fill a data area with the first color block and a second color block corresponding to two-dimensional barcode data

(57) **Abstract:** Provided are a narrow-strip two-dimensional barcode, and a method, apparatus and device for generating and recognizing a narrow-strip two-dimensional barcode. The method for generating same comprises: determining a rectangular area, wherein the rectangular area comprises blocks to be filled that are arranged in a lattice; respectively filling two square areas at two vertexes in the rectangular area with two positioning patterns, wherein each positioning pattern comprises a square structure located at the center and composed of a first color block, and a surrounding frame structure surrounding the periphery of the square structure and composed of a second color block; in the rectangular area, for each positioning pattern, filling an area surrounding the positioning pattern with the first color block to form a corresponding isolation area; and filling a data area with the first color block and the second color block corresponding to two-dimensional barcode data, wherein the data area is an area, excluding the two positioning patterns and the corresponding isolation area, in the rectangular area.

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本国际公布:

— 包括国际检索报告 (条约第21条(3))。

(57) 摘要: 本说明书实施例提供一种窄条二维码、窄条二维码的生成、识别方法、装置及设备, 在生成方法中, 确定矩形区域, 该矩形区域包括网格状排列的待填充块。用两个定位图形分别填充矩形区域中两个顶点处的两个方形区域, 其中, 每个定位图形包括位于中心的、由第一色块构成的方形结构, 和包围方形结构一周、由第二色块构成的围框结构。在矩形区域中, 对于每个定位图形, 用第一色块填充围绕定位图形的区域, 以形成相应的隔离区域。在数据区域填充与二维码数据相应的第一色块和第二色块, 数据区域为矩形区域中除两个定位图形以及相应的隔离区域之外的区域。