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(54) Title: QUICK RESPONSE CODE GENERATION METHOD AND APPARATUS, QUICK RESPONSE CODE DECODING METHOD AND APPARATUS, AND DEVICE

(54) 发明名称: 一种二维码生成、解码方法、装置及设备

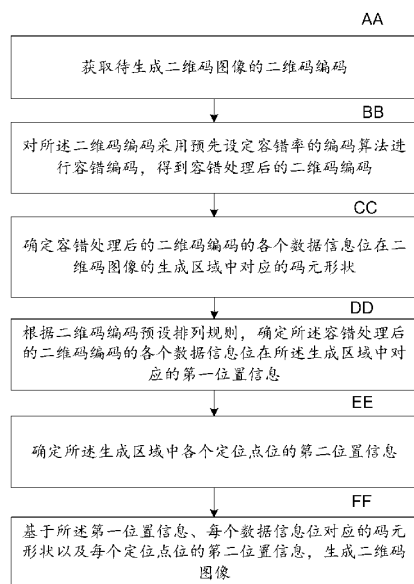


图 1

- AA Acquire a quick response code, a quick response code image of which is to be generated
- BB Perform error-resilient coding on the quick response code by using a coding algorithm with a preset error-resilient rate, so as to obtain a quick response code that has been subjected to error-resilient processing
- CC Determine a code element shape, in a generation area for the quick response code image, corresponding to each data information bit of the quick response code that has been subjected to the error-resilient processing
- DD According to a preset quick response code arrangement rule, determine first position information, in the generation area, corresponding to each data information bit of the quick response code that has been subjected to the error-resilient processing
- EE Determine second position information of each positioning point in the generation area
- FF Generate the quick response code image on the basis of the first position information, the code element shape corresponding to each data information bit, and the second position information of each positioning point

(57) Abstract: The embodiments of the description disclose a quick response code generation method and apparatus, a quick response code decoding method and apparatus, and a device. The quick response code generation method comprises: acquiring a quick response code, a quick response code image of which is to be generated; performing error-resilient coding by using a coding algorithm with a preset error-resilient rate, so as to obtain a quick response code that has been subjected to error-resilient processing; determining a code

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JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW。

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element shape, in a generation area for the quick response code image, corresponding to each data information bit of the quick response code that has been subjected to the error-resilient processing; according to a preset quick response code arrangement rule, determining first position information, in the generation area, corresponding to each data information bit of the quick response code that has been subjected to the error-resilient processing; determining second position information of each positioning point in the generation area; and then generating the quick response code image on the basis of the first position information, the code element shape corresponding to each data information bit, and the second position information of each positioning point.

(57) 摘要: 本说明书实施例公开了一种二维码生成、解码方法、装置及设备。方法包括: 获取待生成二维码图像的二维码编码, 采用预先设定容错率的编码算法进行容错编码, 得到容错处理后的二维码编码; 确定所述容错处理后的二维码编码的各个数据信息位在二维码图像的生成区域中对应的码元形状; 根据二维码编码预设排列规则, 确定所述容错处理后的二维码编码的各个数据信息位在所述生成区域中对应的第一位置信息; 再确定所述生成区域中各个定位点位的第二位置信息; 然后基于所述第一位置信息、每个数据信息位对应的码元形状以及每个定位点位的第二位置信息, 生成二维码图像。