

## Abstract

The invention discloses a two-dimensional code and its decoding method and the printing publication for applying the two-dimensional code. The area of the positioning points located at the four corners of the code in the two-dimensional code characters is larger than that of the data points. The code symbol is arranged repeatedly on the basement and seamless joint as code matrix including at least two same code symbols, and the adjacent code has the same positioning point. The two-dimensional code is printed on the printing publication to be identified by the device. The decoding method comprises the following steps of: reading the two-dimensional code by using a reading device; detecting the margin of each point to obtain the margin image; parsing the margin image to obtain the closed border; computing the area within the closed border in order to select the positioning points; matching the positioning points in the rectangle mode; grouping the data points after selecting one separate code character; reconstructing the array of data points; and recovering the code words.