

DOT PATTERN, DOT-PATTERN-FORMING MEDIUM, PROGRAM FOR
GENERATING IMAGE DATA FOR DOT PATTERN, DOT PATTERN FORMING
APPARATUS, OPTICAL DEVICE, OPTICAL DEVICE READER, INFORMATION
I/O DEVICE, DOT PATTERN READER

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Abstract

To provide a new dot pattern where a technology thereof is the technology to realize definition of information based on not an arrangement position of a dot, but a distance and direction between two dots, and as compared with the dot pattern of the above-mentioned previously existing technology, (1) reading is possible even when print resolution and read resolution are low, (2) a large information amount can be defined by the small number of dots, (3) decoding can be carried out at high speed, (4) reading can be carried out easily even when arrangement of an imaged dot pattern is deformed largely, and (5) decoding visually is difficult.

There is provided a dot pattern where at least one set of a starting-point information dot that is an information dot to be a starting point, and an end-point information dot that is an information dot to be an end point are provided, and the two or more information dots are arranged while an interval between information dots which adjoin each other in a prescribed order from the starting-point information dot has a prescribed distance value or prescribed distance value of a prescribed direction interval, and codes are encoded based on the prescribed distance value or prescribed distance value of a prescribed direction interval.

25 FIG. 78