

Interpreting coded surfaces having cyclic position codes

ABSTRACT

A method of interpreting a coded surface includes capturing an image of the coded surface and determining a first coordinate value of at least one point on the coded surface with respect to a plurality of first sequences. A first subsequence of length w_1 symbols, where $h_1 \geq 2$ and $w_1 \geq n_1 - d_{min_1} + 1$ is obtained from each first sequence and then mapped to a respective codeword of a first cyclic position code. A plurality of offsets of each codeword is obtained. The first coordinate value is then determined from a plurality of differences between pairs of offsets.

Figure 2