

DEEP COLORIMETRIC OLFACTORY-BARCODING

ABSTRACT

5 Herein disclosed is a colorimetric barcode for olfactory detection of one or more scent
molecules emitted from a sample. The colorimetric barcode includes a polymeric
substrate, porous nanocomposites patterned as a barcode on the polymeric substrate,
wherein each of the porous nanocomposites is patterned as a bar of the barcode, wherein
each of the porous nanocomposites includes a matrix and a dye-containing carrier
10 embedded in the matrix, and wherein each bar of the barcode includes one dye-
containing carrier which is different from another dye-containing carrier in each of the
other bars. A method of forming the colorimetric barcode and uses of the colorimetric
barcode are disclosed herein.

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No suitable figure to be published with abstract