

Title (en)

THE USE AND EVALUATION OF A  $\pi$ -2+2 PHOTOCYCLOADDITION IN IMMOBILIZATION OF OLIGONUCLEOTIDES ON A THREE-DIMENSIONAL HYDROGEL MATRIX

Title (de)

VERWENDUNG UND EVALUIERUNG EINER  $\pi$ -2+2 PHOTOZYKLOADDITION IN DER IMMOBILISIERUNG VON OLIGONUKLEOTIDEN AUF EINER DREIDIMENSIONALEN HYDROGELMATRIX

Title (fr)

UTILISATION ET EVALUATION D'UNE PHOTOCYCLOADDITION  $\pi$ -2+2 DANS UNE IMMOBILISATION D'OLIGONUCLEOTIDES SUR UNE MATRICE HYDROGEL TRIDIMENSIONNELLE

Publication

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Application

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Abstract (en)

[origin: WO0212566A2] [0064] [2+2]photo-attachable functional groups were incorporated in polyacrylamide based hydrogels and synthetic oligonucleotide probes. The probes were photochemically attached by covalent bonding to the three dimensional surface of a hydrogel. The resultant hydrogel microarrays were used for detection of specific target oligonucleotides, including mRNA and DNA, as suitable for expression and single nucleotide polymorphism type microarray analyses.

IPC 1-7

**C07B 61/00**; **C07H 21/00**; **G01N 33/543**; **C08F 8/46**

IPC 8 full level

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CPC (source: EP)

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