

Title (en)

SINGLE STRAND DIMENSIONAL CONSTRUCTION OF DNA IN 3D SPACE

Title (de)

SSDC (SINGLE STRAND DIMENSIONAL CONSTRUCTION) VON DNA IM 3D-RAUM

Title (fr)

CONSTRUCTION DIMENSIONNELLE MONOCATÉNAIRE D'ADN DANS UN ESPACE 3D

Publication

EP 2297354 A4 20110727 (EN)

Application

EP 09763400 A 20090609

Priority

- US 2009046665 W 20090609
- US 6155508 P 20080613

Abstract (en)

[origin: WO2009152109A1] A process of generating a three-dimensional (3D) addressable array of biopolymer nucleic acids comprises providing a nanoscale three-dimensional shape having a surface and binding a plurality of biopolymer nucleic acids to the surface of the 3D shape in a regular pattern. The 3D biopolymer nucleic acids can be hybridized with complementary probes having reactive chemical groups to provide an enzyme active site mimic or artificial catalyst. Such mimics or catalysts can be in the biofuels and other industries.

IPC 8 full level

C12Q 1/68 (2006.01); **B28B 23/00** (2006.01); **B29C 70/00** (2006.01); **C12M 1/34** (2006.01)

CPC (source: EP KR)

C07H 21/00 (2013.01 - EP KR); **C12N 15/10** (2013.01 - EP); **C12N 15/1031** (2013.01 - EP KR); **C12Q 1/68** (2013.01 - KR)

Citation (search report)

- [X1] US 2005089890 A1 20050428 - CUBICCIOTTI ROGER S [US]
- See references of WO 2009152109A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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