

Title (en)

A BINARY CODING METHOD FOR USE IN COMBINATORIAL CHEMISTRY

Title (de)

EINE BINÄRE KODIERUNGSMETHODE ZUR VERWENDUNG IN KOMBINATORISCHER CHEMIE

Title (fr)

PROCEDE DE CODAGE BINAIRE DESTINE A ETRE UTILISE EN CHIMIE COMBINATOIRE

Publication

**EP 0856067 A1 19980805 (EN)**

Application

**EP 96936686 A 19961018**

Priority

- US 9616718 W 19961018
- US 562395 P 19951019

Abstract (en)

[origin: WO9714814A1] The present invention is to a technique for labeling a ligand or compounds covalently bound to solid-phase-synthesis resin with a tag containing  $^{13}\text{C}$  and/or  $^{15}\text{N}$ . This tagging along with high-resolution isotope filtered  $^1\text{H}$  NMR, and Magic Angle Spinning probes provides for a technique which is general, nondestructive, and leaves the resin-bound sample intact and available for further chemical transformations. The limit of detection ( $< 800$  pmol) in this system is sufficient to allow NMR to be used in deciphering the contents of a "one-bead, one-compound" combinatorial chemistry library.

IPC 1-7

**C12Q 1/68**; G01N 33/53; G01N 33/543; G01N 33/544; G01N 33/545; G01N 33/546; G01N 33/573

IPC 8 full level

**G01R 33/465** (2006.01); **C07B 61/00** (2006.01); **C12Q 1/68** (2006.01); **G01N 24/08** (2006.01); **G01N 33/534** (2006.01); **C40B 70/00** (2006.01)

CPC (source: EP)

**C40B 50/16** (2013.01); **C40B 70/00** (2013.01); **B01J 2219/005** (2013.01); **B01J 2219/00572** (2013.01)

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

**WO 9714814 A1 19970424**; EP 0856067 A1 19980805; EP 0856067 A4 20050921; JP 2000500565 A 20000118

DOCDB simple family (application)

**US 9616718 W 19961018**; EP 96936686 A 19961018; JP 51603797 A 19961018