

Title (en)

RANDOM CHEMISTRY FOR THE GENERATION OF NEW COMPOUNDS

Title (de)

ZUFALLSPROZESS FÜR DIE CHEMISCHE DARSTELLUNG NEUER VERBINDUNGEN

Title (fr)

PROCEDE ALEATOIRE DE PRODUCTION DE NOUVEAUX COMPOSES CHIMIQUES

Publication

**EP 0695368 A1 19960207 (EN)**

Application

**EP 94916542 A 19940419**

Priority

- US 9404314 W 19940419
- US 4926893 A 19930419

Abstract (en)

[origin: WO9424314A1] Methods for the generation of new compounds are disclosed. The present invention eliminates the need to know in advance the structure or chemical composition of a compound having a desired property. The disclosure of the present invention provides that diversity of unknown compounds may be produced by "random" chemistry, and such a diversity of unknown compounds may be screened for one or more desired properties to detect the presence of suitable compounds. In one aspect, a starting group of organic compounds is caused to undergo a series of chemical reactions to create a diversity of new organic compounds that are screened for the presence of organic compounds having the desired property. In another aspect of the present invention, a diversity of compounds is generated from a group of substrates which are subjected to a group of enzymes representing a diversity of catalytic activities.

IPC 1-7

**C12Q 1/68**; **C12P 19/34**; **C12P 21/00**; **C12N 15/63**

IPC 8 full level

**C07B 61/00** (2006.01); **C07K 1/04** (2006.01); **C12N 9/00** (2006.01); **C12N 15/10** (2006.01); **C12P 1/00** (2006.01); **C12P 19/34** (2006.01); **C12P 21/00** (2006.01); **C12Q 1/68** (2006.01); **C12Q 1/6811** (2018.01)

CPC (source: EP)

**C07K 1/047** (2013.01); **C12N 9/0002** (2013.01); **C12N 15/1093** (2013.01); **C12P 1/00** (2013.01); **C12P 19/34** (2013.01); **C12Q 1/6811** (2013.01); **C40B 40/10** (2013.01); **C40B 50/06** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9424314 A1 19941027**; AU 6815894 A 19941108; CA 2160457 A1 19941027; EP 0695368 A1 19960207; EP 0695368 A4 19960508; JP H09500007 A 19970107

DOCDB simple family (application)

**US 9404314 W 19940419**; AU 6815894 A 19940419; CA 2160457 A 19940419; EP 94916542 A 19940419; JP 52355294 A 19940419