1	DIRECTED MOLECIILAR EVOLUTION OF	20	Macromolecular compounds (e.g.,
-			synthetic resin, rubber, etc.)
	MACROMOLECOLES (E.G., RNA,	21	Metal-containing organic
0	DNA, PROTEINS, ETC.)	<u> </u>	compounds
2	METHOD SPECIALLY ADAPTED FOR	22	
	IDENTIFYING A LIBRARY MEMBER	ZZ	Library containing only
3	.Identifying a library member by		inorganic compounds or
	its fixed physical location on		inorganic materials
	a support or substrate	23	METHOD OF CREATING A LIBRARY
4	.Identifying a library member by		(E.G., COMBINATORIAL
	means of a tag, label, or		SYNTHESIS, ETC.)
	other readable or detectable	24	.In silico or mathematical
	entity associated with the		conception of a library
	library member (e.g., decoding	25	.Using a dynamic combinatorial
	process, etc.)		chemistry technique
5	Using an iterative deconvolution	26	Biochemical method (e.g., using
5	tochnicuo	20	an enzyme or whole viable
c	Diversity of a likeway		micro-organism etc.)
6	.Direct analysis of a library	27	Liquid phage symthesis (i.e.
	member, per se, by a physical	21	.Liquid-phase synchesis (i.e.,
	method (e.g., spectroscopy,		wherein all library building
	etc.)		blocks are in liquid phase or
7	METHOD OF SCREENING A LIBRARY		in solution during library
8	.In silico screening		creation) or particular method
9	.By measuring the ability to		of cleavage from the liquid
	specifically bind a target		support used
	molecule (e.g., antibody-	28	Involving an encoding step
	antigen binding, receptor-	29	Using a particular method of
	ligand binding, etc.)		attachment to the liquid
10	.By measuring the effect on a		support
	living organism tissue or	30	.Solid-phase synthesis (i.e.,
	cell		wherein one or more library
11	By moscuring catalytic activity		building blocks are bound to a
10	By measuring catalytic activity		solid support during library
	.by measuring a physical property		creation) or particular method
10	(e.g., mass, etc.)		of cleavage from the solid
13	LIBRARY, PER SE (E.G., ARRAY,		support used
	MIXTURE, IN SILICO, ETC.)	31	Involving an encoding step
14	.Library contained in or	30	Using a particular method of
	displayed by a micro-organism	52	
	(e.g., bacteria, animal cell,		attachment to the solid
	etc.) or library contained in	2.2	support
	or displayed by a vector	33	APPARATUS SPECIALLY ADAPTED FOR
	(e.g., plasmid, etc.) or		USE IN COMBINATORIAL CHEMISTRY
	library containing only micro-		OR WITH A LIBRARY
	organisms or vectors	34	.Integrated apparatus specially
15	.Library containing only organic		adapted for creating a
	compounds		library, screening a library,
16	. Nucleotides or polynucleotides.		and identifying a library
	or derivatives thereof		member
17	RNA or DNA which encodes	35	.Integrated apparatus specially
± /	notoing (o g gono library		adapted for both screening a
	processis (e.g., gene indiary,		library and identifying a
10			library member
TΩ	reptides or polypeptides, or		-
1.0	derivatives thereof		
19	Saccharides or polysaccharides,		
	or derivatives thereof		

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36	.Integrated apparatus specially adapted for both creating a library and identifying a library member
37	.Integrated apparatus specially adapted for both creating and screening a library
38	.For identifying a library member
39	.For screening a library
40	.For creating a library
41	TAG OR LABEL SPECIALLY ADAPTED
42	<pre>FOR COMBINATORIAL CHEMISTRY OR A LIBRARY (E.G., FLUORESCENT TAG, BAR CODE, ETC.) LINK OR SPACER SPECIALLY ADAPTED FOR COMBINATORIAL CHEMISTRY OR A LIBRARY (E.G., TRACELESS LINKER, SAFETY-CATCH LINKER, ETC.)</pre>
43	MISCELLANEOUS

November 2010