

演示专利情报分析(MIACRO)

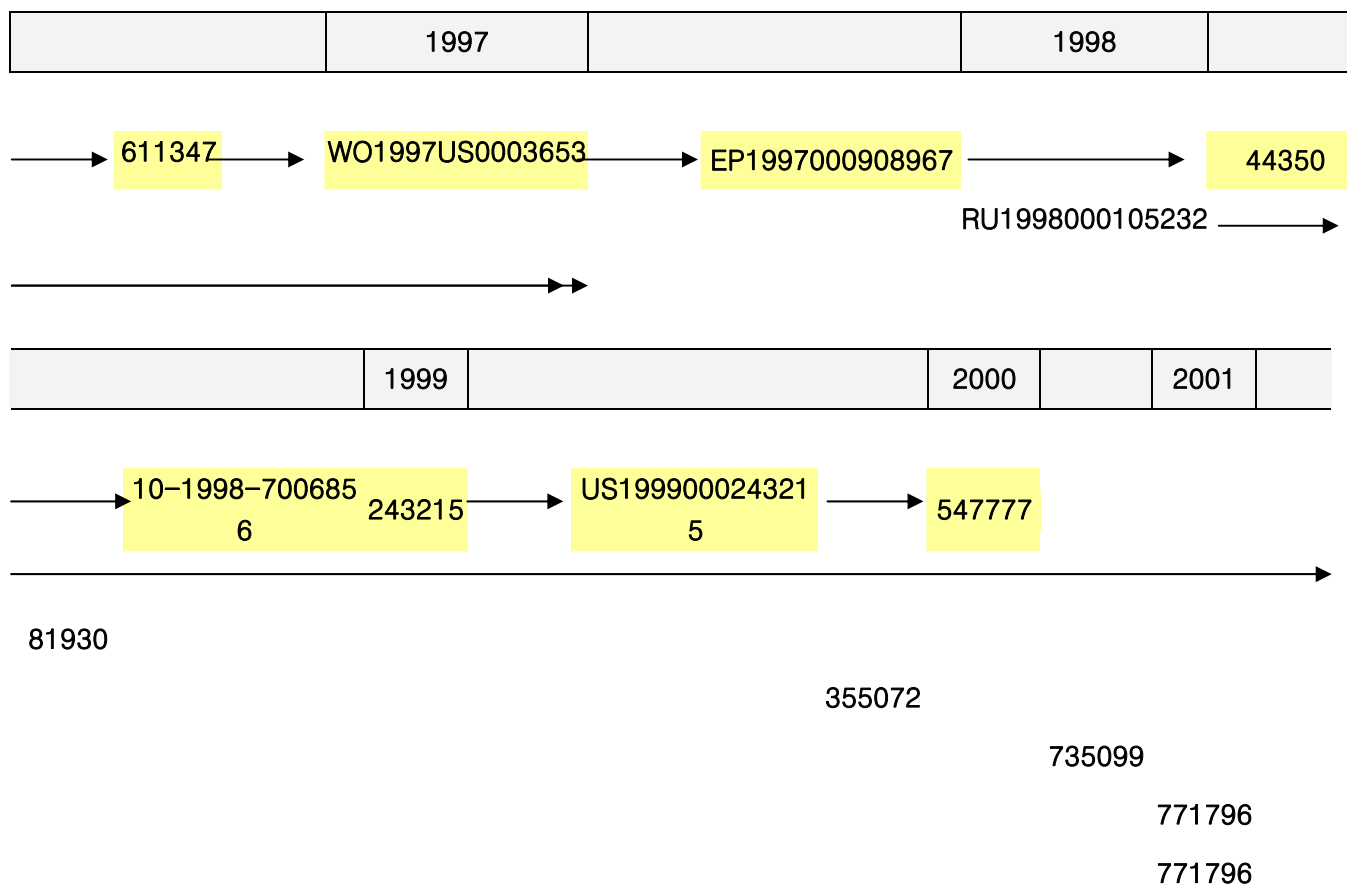
按 IPC(X轴 : Class) - IPC(Y轴 : Class)的专利申请动向

	A61	B05	B32	B65	B81	B82	C01	C07	C09	C12	C25	D01	D02	D21	G01
A61	12	1	0	1	0	0	0	2	0	1	0	0	0	0	0
B05	1	4	0	0	0	0	0	0	1	0	0	0	0	0	0
B32	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
B65	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
B81	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
B82	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
C01	0	0	0	0	0	0	3	0	0	1	0	0	0	0	1
C07	2	0	0	0	0	0	0	17	0	10	0	0	0	0	3
C09	0	1	0	0	0	0	0	0	2	0	0	0	0	0	1
C12	1	0	0	0	0	0	1	10	0	28	0	0	0	0	10
C25	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
D01	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
D02	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

按特定技术的年度时间列分析

	1997	1998	1999	2000	2001
DIAGNOSIS	WO1997US0003 653	RU19980001052 32	243215	547777	771796
	EP19970009089 67	44350	US19990002432 15	735099	817003
		81930	355072		817842
		10-1998-700685 6			866533
					907385
					945154
					746
					7526
					US2001000007526
					27753

▶ 技术发展途径 (Technologic Road) 分析



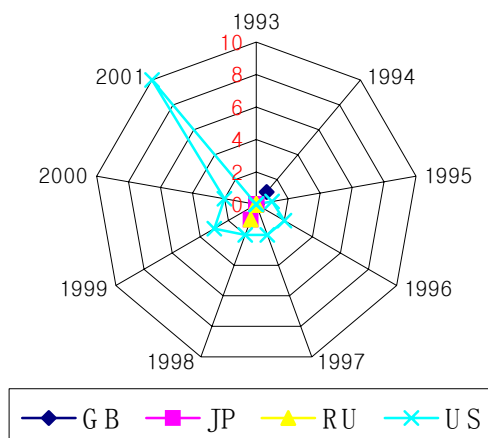
▶ 多维 (Multi-Dimension) 分析

App_no	国家	产业	效果	要素
EP1997000908967	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	FULLERENE	
	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	RUTHENIUM	
	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	BIOMOLECULE	
	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	GRAPHITIC NANOTUBE	
WO1997US0003653	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	FULLERENE	
	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	GRAPHITIC NANOFIBER	
	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	RUTHENIUM	
	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	BIOMOLECULE	
US1996000611347	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	RUTHENIUM	
	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	FULLERENE	
	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	GRAPHITIC NANOFIBER	
611347	US	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	FULLERENE	
10-1998-7006856	JP	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	BIOMOLECULE	
	JP	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	FULLERENE	
	JP	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	RUTHENIUM	
	JP	DIAGNOSIS IMPROVING DETECTION SENSITIVITY	GRAPHITIC NANOFIBER	

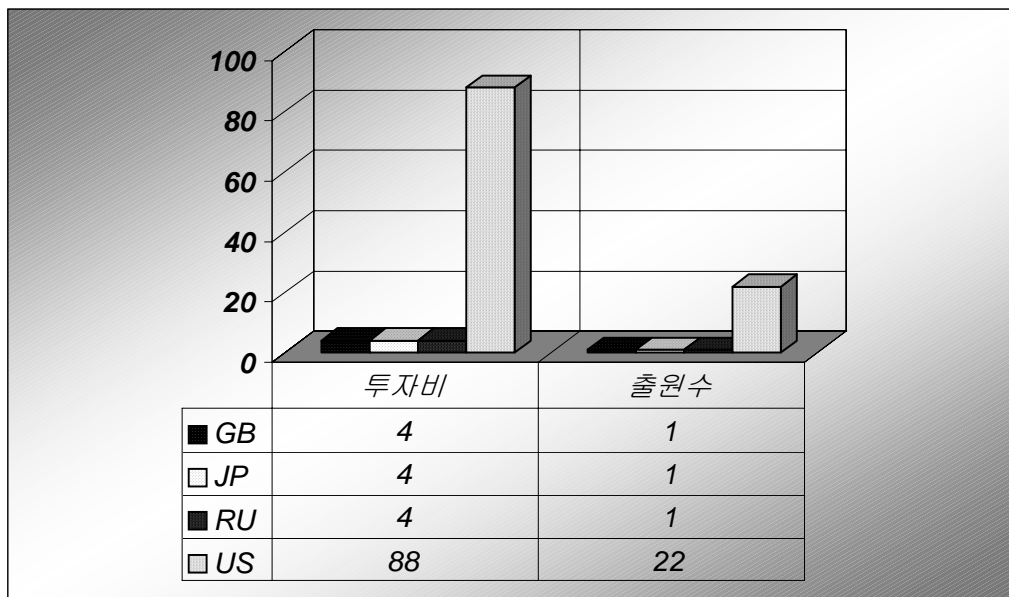
▶ 矩阵(Matrix) 分析

	GB	JP	RU	US
1994	FULLERENE CARRIERS	A	B	C
1995	D	E	F	PROBE
1996	G	H	I	FULLERENE, BIOMOLECULE GRAPHITIC NANOFIBER, RUTHENIUM
1998	M	FULLERENE BIOMOLECULE GRAPHITIC NANOFIBER RUTHENIUM	GRAPHITIC NANOTUBE	ELECTRONIC RECEPTOR NANOELECTRODE NUCLEIC ACID POLYMER MULTIMOLECULAR, DDS
1999	N	O	P	FULLERENE, BIOMOLECULE GRAPHITIC NANOFIBER, RUTHENIUM SPM (SCANNING PROBE MICROSCOPY)
2000	Q	R	S	ELECTRONIC RECEPTOR, NANO-ELECTRODE, NUCLEIC ACID
2001	T	U	V	ELECTROCHEMILUMINESCENCE, NUCLEIC ACID, PROBE NANOLITHOGRAPHY (DPN) SCANNING PROBE MICROSCOPE (SPM) ATOMIC FORCE MICROSCOPE (AFM) NUCLEOTIDES, BIOCHIP, BIOMOLECULE NANOSCALE, NANOTUBE MOUNTING ELEMENT, GRAPHITIC NANOTUBE RUTHENIUM, FULLERENE

▶ 雷达 (Radar) 分析



▶ 投资组合 (Portfolio) 分析



申请国	申请现况
GB	284606
JP	10-1998-7006856
RU	RU1998000105232
US	RU1998000105232,771796,735099,817842,817003,907385, 866533,746,7526,945154,453958,611347,44350,81930, 547777,355072,243215,EP1997000908967,US2001000007526, US1996000611347,US1999000243215,WO1997US0003653

▶ 专利分类(Classification) 分析

	Record	Total	1994	1995	1996	1999	2000	2001
A	2	8	284606					817842
C	15	30		453958	611347	243215	735099	817003,907385,007526,945154
G	19	35		453958	611347	243215	355072 547777	866533,945154,007526,027753, 817003,771796,000746,
H	1	1						000746

▶ 引证专利(Citation) 分析

1996	1997	1998	1999	2000	2001
611347	WO1997US0003653	RU1998000105232	243215	547777	771796
	EP1997000908967	44350	US1999000243215	735099	817003
		81930	355072		817842
		10-1998-7006856			866533
					907385
					945154
					746
					7526
					US200100000 7526
					27753

▶ 同族专利(Family)分析动向

1994	1995	1996	1997	1998	1999	2000	2001
GB KR	GB KR DE JP SE	JP	US	DE	KR DE JP SE	SE	DE
		KR DE JP SE SE	JP	JP	SE	SE	JP
				AE AG AL AM AT JP DE DZ EC EE ES FI GB GD GE SE SG SI SK SL TJ TM TR TT TZ UA UG	EC EE ES FI GB GD GE SE SG SI SK SL TJ TM		DE
				GB			JP

▶ 合作关系(Collaboration) 分析

RU1998000105232 METHOD OF MANUFACTURING GRAPHITE NANOTUBES

US2001000007526	Graphitic nanotubes in luminescence assays	Manager
US1996000611347	Graphitic nanotubes in luminescence assays	Co-Inv
US1999000243215	Graphitic nanotubes in luminescence assays	Co-Inv
WO1997US0003653	GRAPHITIC NANOTUBES IN LUMINESCENCE ASSAYS	
10-1998-7006856	发光分析用 黑铅纳米管	

▶ 权利要求(Claims) 分析

申请号	要素
284606	FULLERENE;CARRIERS
611347	FULLERENE
969261	FULLERENE
243215	FULLERENE;GRAPHITIC NANOTUBE;BIOMOLECULE;RUTHENIUM
EP1997000908967	FULLERENE;GRAPHITIC NANOTUBE;BIOMOLECULE;RUTHENIUM
US1996000611347	FULLERENE;GRAPHITIC NANOTUBE;BIOMOLECULE;RUTHENIUM
WO1997US0003653	FULLERENE;GRAPHITIC NANOTUBE;BIOMOLECULE;RUTHENIUM

▶ 专利文件样例:

[19]文献发行国 : 美国(US)	[51]Int Cl : G01N 033/551; G01N 033/573; C12Q 001/32; C12Q 001/37 [01]权限范围 : 035
[21]申请号 : 243215 [22]申请日 : February 2, 1999	[11]公开号 : 6,362,011 [45]公开日 : March 26, 2002
[30]优先权主张号: [32]最初申请人 : February 2, 1999 [02]保护期截止日期 : 2019.03.26	[71]申请人 : Meso Scale Technologies, LLC [72]发明家 : Massey; Richard J. (Rockville, MD); Martin; Mark T. (Bethesda, MD);
[54]Title : Graphitic nanotubes in luminescence assays	
[03] OBJECTS OF THE INVENTION: It is therefore an object of this invention to provide luminescence assays using particles having a high surface area for immobilization of assay performance substances to achieve advantageously high light emission.	
[04] FIELD OF THE INVENTION: This application relates generally to methods and apparatus for conducting binding assays, more particularly to those which measure the presence of an analyte of interest by measuring luminescence emitted by one or more labeled components of the assay system.	
[05] Claims : 1. A nanotube comprising carbon to which is attached an assay performance substance linked to an electrochemiluminescence label compound, wherein said label compound comprises a rare earth metal or a transition metal. 2. The composition of claim 1, wherein said label compound comprises a metal atom selected from the group consisting of ruthenium, osmium and rhenium.	

[06]Drawing

