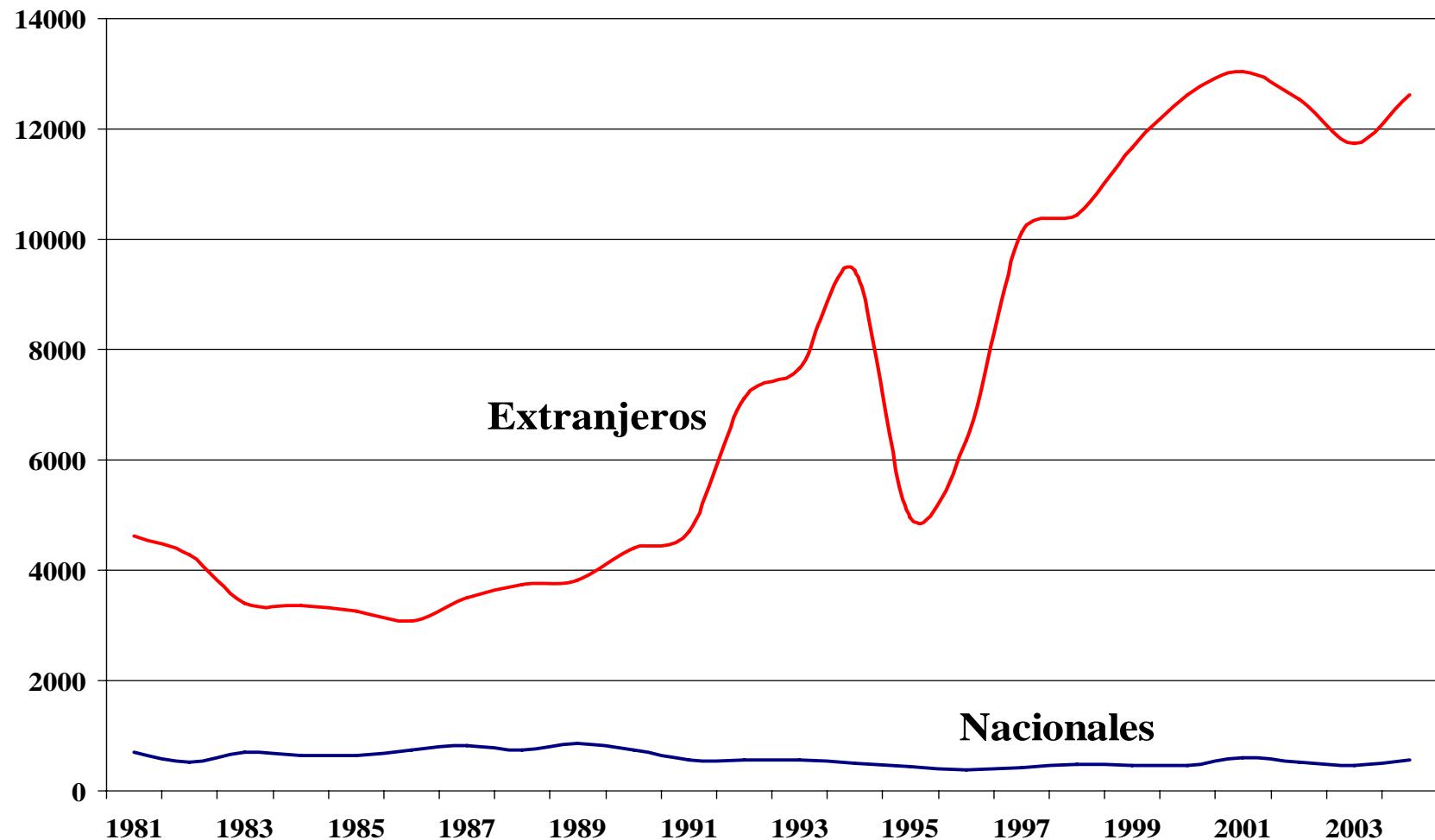


Solicitud de patentes de nacionales y extranjeros en México 1975-2004



Fuente: Elaboración propia en base a WIPO e IMPI (2005)

Patentes de Residentes en México por Agente (2004)

Institución	Porcentaje
1. Instituto de Investigacion	5.7
2. Empresa Grande	30.0
3. Empresa Pequeña	0.4
4. Inventor Independiente	63.9
Total: (565 Patentes)	100.0

Fuente: Eldipat_2005__1 UNAM

Journal of Nanoparticle Research **5**: 333–363, 2003.

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Longitudinal patent analysis for nanoscale science and engineering: Country, institution and technology field

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Key words: patent analysis, nanotechnology, nanoscience, knowledge discovery, information visualization, self-organizing map, citation networks.

Table 1. Nanoscale science and engineering keyword list

Terms	Number of documents
Selfassembl....	18
Self assembl....	5613
Atomic force microscop..	2941
Atomic-force-microscop...	4
Scanning tunneling microscop....	1674
Scanning-tunneling-microscop....	25
Atomistic simulation	5
Biomotor	4
Molecular device	104
Molecular electronics	199
Molecular modeling	1336
Molecular motor	59
Molecular sensor	17
Molecular simulation	33
Quantum computing	25
Quantum dot....	352
Quantum effect....	467
Nano...	76277
Total	89.153
Actual collected	88.546
Collection coverage	99.32%

Note: A patent document may contain multiple key phrases listed in the table, thus the total number of unique patent documents was smaller than the total number of collected patent documents presented in the table.

*Serves as a wildcard, e.g. ‘nano’ refers to words that start with ‘nano’.

Fuente: Journal of Nanoparticle Research

Table 2. Assignee country analysis (1976–2002)

Rank	Assignee country	Number of patents
1	United States	56.828
2	Japan	7574
3	France	2087
4	United Kingdom	871
5	Switzerland	419
6	China (Taiwan)	382
7	Italy	377
8	Republic of Korea	368
9	the Netherlands	308
10	Australia	307
11	Sweden	264
12	Belgium	193
13	Finland	125
14	Denmark	104

Fuente: Journal of Nanoparticle Research

Table 3. Number of patents of assignee countries by year

Year	United States	Japan	France	United Kingdom	Switzerland	China (Taiwan)	Italy	Republic of Korea	Netherlands	Australia
1976	538	40	21	0	7	0	6	0	2	1
1977	670	21	19	0	6	0	6	0	0	5
1978	670	36	34	5	8	0	1	0	4	8
1979	516	27	20	3	9	0	4	0	2	2
1980	718	39	24	15	6	0	5	0	1	2
1981	806	53	20	13	8	0	12	0	4	5
1982	724	43	29	17	3	0	5	0	2	2
1983	874	57	41	10	7	0	7	0	2	5
1984	975	65	25	21	12	0	5	0	4	2
1985	1005	64	56	16	2	0	7	0	4	4
1986	1104	93	44	14	9	0	8	0	1	6
1987	1376	112	51	24	5	0	14	0	4	4
1988	1263	129	52	22	10	0	8	0	1	8
1989	1647	172	59	30	13	0	13	0	5	6
1990	1666	179	65	33	11	2	12	1	5	5
1991	1824	214	60	45	12	4	9	4	4	3
1992	2072	280	68	24	16	6	10	2	5	13
1993	2289	312	67	38	10	5	18	3	6	11
1994	2049	373	73	29	9	2	12	7	4	16
1996	2519	423	75	40	11	17	15	14	5	13
1997	3623	513	146	56	15	16	26	18	8	19
1998	4731	643	164	82	27	36	28	51	12	25
1999	4883	694	182	84	37	60	28	56	18	22
2000	5181	820	182	68	45	65	33	43	21	28
2001	6254	923	256	74	63	80	38	76	114	25
2002	6425	1050	245	100	55	86	44	87	66	61

Fuente: Journal of Nanoparticle Research

Identificación de Patentes Radicales y Patentes Incrementales

US 4,683,202

United States Patent	[1] Patent Number:	4,683,202
	[40] Date of Patent:	Jul. 28, 1987
[54] PROCESS FOR AMPLIFYING NUCLEIC ACID SEQUENCES		
[71] Inventor: Kary B. Mullis, San Diego, Calif.		masory DNA for Cloning", J. Thor. Biol. 99: 679 (1982).
[72] Assignee: Cetus Corporation, Emeryville, Calif.		Cetus and Rehman, Nucleic Acid Research, vol. 7,
[73] Notice: The portion of the term of this patent subsequent to Jul. 28, 2004 has been disclaimed.		pp. 1443-1454 (1979).
[21] Appl. No.: 791,308		Rossi et al., J. Biol. Chem. 257: 9216-9222 (1982).
[32] Filed: Oct. 25, 1984		Primary Examiner—James Martonoff;
Related U.S. Application Data		
[62] Continuation-in-part of Ser. No. 700,971, Mar. 28, 1984, abandoned.		Auxiliary Agent; or Firm—Janet E. Housak, Albert P. Hollaus
[51] Int. Cl. C12P 19/34; C12N 15/00; C12N 1/00; C12H 1/00; C12Q 1/00		
[52] U.S. Cl. 435/90; 435/91; 435/77.3; 435/115; 536/27; 536/28; 536/29; 931/1.3; 931/16; 931/17; 931/18		
[58] Field of Search: 435/91, 28, 931/11, 18		
[61] References Cited		
PUBLICATIONS		
Gubatz et al., "Strategies for Constructing Complex		
21 Claims, 12 Drawing Figures		

Patente con 1573 citas



The Nobel Prize in Chemistry 1993

"for contributions to the developments of methods within DNA-based chemistry"

"for his invention of the polymerase chain reaction (PCR) method"

"for his fundamental contributions to the establishment of oligonucleotide-based, site-directed mutagenesis and its development for protein studies"



Kary B. Mullis

1/2 of the prize

USA

La Jolla, CA, USA



Michael Smith

1/2 of the prize

Canada

University of British Columbia
Vancouver, Canada

US 4,683,202



United States Patent	[1] Patent Number:	5,854,041
	[40] Date of Patent:	Dec. 29, 1998

[54] MYOGLOBIN WITH PEROXYGENASE ACTIVITY	[19]	Prost, E.L. et al., "The Biochemistry of Peroxidase Enzymes", Journal of Biological Chemistry 259:8199-8209 (1984).
[75] Inventor: Gary B. Brayer, Richard H. Lang, Lee A. Groat, Michael Smith, Vancouver, Harry Tong, Vancouver, Langley Way, Burnaby, BC, Canada		Rao, S.I. et al., "The Roles of Haa-dc, Tyr-145-dc and Tyr-151 in the Equilibrium of Myoglobin and β -Methylketone by Circular Dichroism Spectra of Myoglobin", The Journal of Biological Chemistry 268:805-810 (1993).
[73] Assignee: The University of British Columbia, Vancouver, Canada		Sundareswaran, M. et al., "The Crystal Structure of Myoglobin at 1.8 Å Resolution", The Journal of Biological Chemistry 263:32759-32765 (1988).
[21] Appl. No.: 781,308		Van Dyke, R.R. et al., "Site-directed Mutagenesis of Human Cytochrome C(IV) Binding and Reduction by Specific White Myoglobin", Proc. Natl. Acad. Sci. USA 80:19-23 (1983).
[32] Filed: Sep. 16, 1990		Ward, A. et al., "Site-specific Oxidative Transformation of the Protein Radical Formed in the Reaction of Recombinant Species White Myoglobin with H_2O_2 ", The Journal of Biological Chemistry 268:19773-19778 (1993).
[31] Int. Cl. C12K 1/00; C12N 1/00		Zhang, Q. et al., "Oxidation of Recombinant Forms of Pig Desmin with H_2O_2 ", The Journal of Biological Chemistry 268:79-84 (1993).
[33] U.S. Cl. 435/90; 435/91; 435/77.3; 435/115; 536/27; 536/28; 536/29; 931/1.3; 931/16; 931/17; 931/18		Schultz, P.M., "Protein Dictionnaire", 20th ed., Williams & Wilkins, Baltimore, MD, p. 47, 1995.
[34] Primary Examiner: James Martonoff		Carbone, M., "Biophysical J. 48:27-35 APR, 1985.
[35] Assistant Examiner: Janet E. Housak		Carson et al., "Biochemistry 32:2280-2282, 1993.
[36] Attorney, Agent, or Firm: Campbell & Flores LLP		Chen et al., "Biochemistry 32:2283-2285, 1993.
[37] Reference Cited		Le et al., "Proteins: Structure, Function and Genetics 22:322-330, 1993.
		Huang et al., "Structure 1: 126-129, 1994.
		Ashoor et al., "Biophys J. 68:2407-2408, 1995.
		Primary Examiner—Eric Gaines
		Attorney, Agent, or Firm—Campbell & Flores LLP

8 Claims, 6 Drawing Sheets

Patente con 0 citas

Inventor con 3 patentes y ha recibido 1 citas

Fuentes: - Sitio oficial del premio Nobel http://nobelprize.org/nobel_prizes/chemistry/laureates/1993/index.html

- USPTO

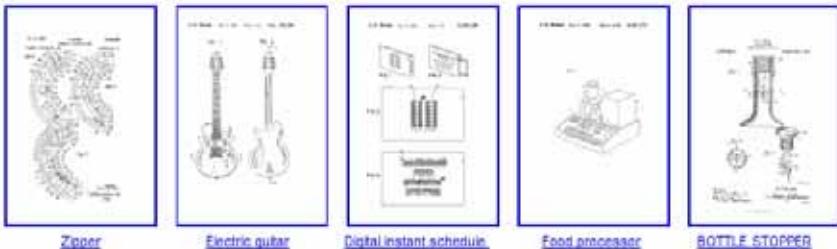
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Agitating	22,053
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Chemistry	1,789,782
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Chemistry of hydrocarbon compounds	1,778
Chemistry	1,778
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Advancing material of indeterminate length	74,363
Agitating	1,778
Beams	34,065
Chemical	1,778
Chemistry	34,065
Information Technology	1,789,782
Coded data generation or conversion	74,363
Computer graphics processing, apparatus	1,778