

PATENT AND TRADEMARK OFFICE NOTICES

Patent Cooperation Treaty (PCT) Information

For information concerning PCT member countries, see the notice appearing in the *Official Gazette* at 1263 O.G. 42, on October 08, 2002.

Either the United States Patent and Trademark Office (USPTO) or the European Patent Office (EPO) may act as the International Searching Authority (ISA) for an international application filed with the United States Receiving Office or the International Bureau (IB) as Receiving Office where at least one of the applicants is either a national or resident of the United States of America. However, the EPO is no longer a competent ISA, within the meaning of PCT Article 16(3), for international applications filed by US residents or nationals on or after 01 March 2002 in the USPTO or IB as Receiving Office, and where the application contains one or more claims directed to the fields of biotechnology or business methods. For the definition of what the EPO considers to be precluded subject matter in the fields of biotechnology and business methods, applicants should see the "Notice from the President of the European Patent Office," dated 26 November 2001, and which is published as Annex A in the "Notice Concerning EPO Competence to Act as PCT Authority" in the *Official Gazette* at 1255 O.G. 878, on February 19, 2002.

The European Patent Office may act as the International Preliminary Examining Authority (IPEA) for an international application filed in the United States Receiving Office or the International Bureau as Receiving Office where at least one of the applicants is either a national or resident of the United States of America, provided that the European Patent Office acted as the International Searching Authority. However, the EPO is no longer a competent IPEA, within the meaning of PCT Article 32(3), for international applications filed by US residents or nationals in the USPTO or IB as Receiving Office where the corresponding demand is filed with the EPO on or after 01 March 2002, and where the application contains one or more claims directed to the fields of biotechnology, business methods or telecommunication. For the definition of what the EPO considers to be precluded subject matter in the field of telecommunication, applicants should see the "Notice from the President of the European Patent Office," dated 26 November 2001, and which is published as Annex A in the "Notice Concerning EPO Competence to Act as PCT Authority" in the *Official Gazette* at 1255 O.G. 878, on February 19, 2002.

The search fee of the European Patent Office was increased, effective October 15, 2002, and was announced in the *Official Gazette* at 1263 O.G. 42, on October 8, 2002.

International fees were changed, effective on January 1, 2002, due to a change in the exchange rate of the U.S. dollar with regard to the Swiss franc, and were announced in the *Official Gazette* at 1253 O.G. 88 on December 25, 2001. A change in the maximum number of designation fees payable, with effect from January 1, 2002, was announced in the *Official Gazette* at 1253 O.G. 88, on December 25, 2001. A change in the reduction for electronic filing, with effect from January 1, 2002, was announced in the *Official Gazette* at 1253 O.G. 88, on December 25, 2001.

Certain domestic PCT fees have been changed, effective October 1, 2001, to adjust certain patent fee amounts to reflect fluctuations in the Consumer Price Index. The revisions were announced in the *Official Gazette* at 1249 O.G. 111, on August 28, 2001.

The schedule of PCT fees (in U.S. dollars), as of October 15, 2002, is as follows:

International Application (PCT Chapter I) fees:
Transmittal fee \$240.00

Search fee	
U.S. Patent and Trademark Office (USPTO) as International Searching Authority (ISA)	
— No corresponding prior U.S. national application filed under 35 U.S.C. 111(a)	\$700.00
— Corresponding prior U.S. national application filed under 35 U.S.C. 111(a) and filing fee under 37 CFR 1.16(a) paid	\$450.00
— Supplemental search fee, per additional invention (payable only upon invitation).....	\$210.00
European Patent Office as ISA	\$936.00
International fees	
Basic fee	\$407.00
Basic supplemental fee (for each page over 30).....	\$9.00
Designation fee per country or region	
— For the first 5 national or regional offices designated.....	\$88.00
— For each designation in excess of 5 offices.....	No Charge
Precautionary designation fee and confirmation fee for each precautionary designation confirmed (PCT Rule 15.5)	
— Designation fee.....	\$88.00
— Confirmation fee.....	\$44.00

(A reduction of \$125 in the international fees is available in certain cases where PCT-EASY software is used to prepare the request, provided that the necessary conditions are met. See 1217 OG 131 (December 29, 1998)).

International Application (PCT Chapter II) fees associated with filing a Demand for Preliminary Examination:	
Handling fee	\$146.00
Preliminary examination fee	
USPTO as International Preliminary Examining Authority (IPEA)	
— USPTO was ISA in PCT Chapter I....	\$490.00
— Additional examination fee, per additional invention (payable only upon invitation).....	\$140.00
— USPTO was not ISA in PCT Chapter I	\$750.00
— Additional examination fee, per additional invention (payable only upon invitation).....	\$270.00

U.S. National Stage fees	Small Entity	Regular
Basic National fee		
USPTO was IPEA		
— All claims presented satisfied provisions of PCT Article 33(2) to (4).....	\$50.00	\$100.00
— All claims presented did not satisfy provisions of PCT Article 33(2) to (4).....	\$355.00	\$710.00
USPTO was ISA but not IPEA	\$370.00	\$740.00
USPTO was neither ISA nor IPEA		

— Search report has not been prepared by the European Patent Office or the Japan Patent Office.....	\$520.00	\$1,040.00
— Search report has been prepared by the European Patent Office or the Japan Patent Office.....	\$445.00	\$890.00
Other National fees		
— For each independent claim in excess of 3.....	\$42.00	\$84.00
— For each claim in excess of 20.....	\$9.00	\$18.00
— For each application containing a multiple dependent claim.....	\$140.00	\$280.00
— Surcharge for filing oath or declaration after the time limit applicable under PCT Article 22 or 39(1).....	\$65.00	\$130.00
— Processing fee for filing English translation after the time limit applicable under PCT Article 22 or 39(1).....	\$130.00	\$130.00

Correspondence related to maintenance fees other than payments of maintenance fees in patents is not to be mailed to P.O. Box 371611, Pittsburgh, PA 15250-1611, but must be mailed to "Box M Correspondence, "Commissioner of Patents and Trademarks, Washington, DC 20231".

Patent owners must establish small entity status according to 37 CFR 1.27 if they have not done so and if they wish to pay the small entity amount.

The current amounts of the maintenance fees due at 3 years and six months, 7 years and six months, and 11 years and six months are set forth in 37 CFR 1.20(e)-(g), as amended Oct. 1, 2001, which are reproduced below:

37 CFR § 1.20 Post-issuance fees

(e) For maintaining an original or reissue patent, except a design or plant patent, based on an application filed on or after Dec. 12, 1980, in force beyond 4 years; the fee is due by three years and six months after the original grant:

By a small entity (§ 1.27(a)).....	\$440.00
By other than a small entity.....	\$880.00

(f) For maintaining an original or reissue patent, except a design or plant patent, based on an application filed on or after Dec. 12, 1980 in force beyond 8 years; the fee is due by seven years and six months after the original grant:

By a small entity (§ 1.27(a)).....	\$1,010.00
By other than a small entity.....	\$2,020.00

(g) For maintaining an original or reissue patent, except a design or plant patent, based on applications filed on or after Dec. 12, 1980 in force beyond 12 years; the fee is due by eleven years and six months after the original grant:

By a small entity (§ 1.27(a)).....	\$1,550.00
By other than a small entity.....	\$3,100.00

September 20, 2002
JAMES E. ROGAN
*Under Secretary of Commerce for
 Intellectual Property and Director of the
 United States Patent and Trademark Office*

Notice of Maintenance Fees Payable

Title 37 Code of Federal Regulations (CFR), Section 1.362(d) provides that maintenance fees may be paid without surcharge for the six-month period beginning 3, 7, and 11 years after the date of issue of patents based on applications filed on or after Dec. 12, 1980. An additional six-month grace period is provided by 35 U.S.C. 41(b) and 37 CFR 1.362(e) for payment of the maintenance fee with the surcharge set forth in 37 CFR 1.20(h), as amended effective Dec. 16, 1991. If the maintenance fee is not paid in the patent requiring such payment the patent will expire on the 4th, 8th, or 12th anniversary of the grant.

Attention is drawn to the patents which were issued on January 4, 2000 for which maintenance fees due at 3 years and six months may now be paid. The patents have patent numbers within the following ranges:

Utility Patents 6,006,355 through 6,012,161
 Reissue Patents based on the above identified patents.

Attention is drawn to the patents which were issued on January 2, 1996 for which maintenance fees due at 7 years and six months may now be paid. The patents have patent numbers within the following ranges:

Utility Patents 5,479,658 through 5,481,757
 Reissue Patents based on the above identified patents.

Attention is drawn to the patents which were issued on December 31, 1991 for which maintenance fees due at 11 years and six months may now be paid. The patents have patent numbers within the following ranges:

Utility Patents 5,075,897 through 5,077,835
 Reissue Patents based on the above identified patents.

No maintenance fees are required for design or plant patents.

Payments of maintenance fees in patents may be submitted electronically over the Internet at www.uspto.gov.

Payments of maintenance fees in patents not submitted electronically over the Internet should be mailed to "United States Patent and Trademark Office, P.O. Box 371611, Pittsburgh, PA 15250-1611".

The amount of the surcharge for paying the maintenance fee during the grace period or after expiration of the patent are set forth in 37 CFR 1.20(h), and (i) which are reproduced below:

(h) Surcharge for paying a maintenance fee during the 6 month grace period following the expiration of three years and six months, seven years and six months, and eleven years and six months after the date of the original grant of a patent based on an application filed on or after Dec. 12, 1980:

By a small entity (§ 1.27(a)).....	\$65.00
By other than a small entity.....	\$130.00

(i) Surcharge for accepting a maintenance fee after expiration of a patent for non-timely payment of a maintenance fee where the delay is shown to the satisfaction of the Commissioner to have been:

(1) unavoidable.....	\$700.00
(2) unintentional.....	\$1,640.00

**Notice of Expiration of Patents
 Due to Failure to Pay Maintenance Fee**

35 U.S.C. 41 and 37 CFR 1.362(g) provide that if the required maintenance fee and any applicable surcharge are not paid in a patent requiring such payment, the patent will expire at the end of the 4th, 8th, or 12th anniversary of the grant of the patent depending on the first maintenance fee which was not paid.

According to the records of the Office, the patents listed below have expired due to failure to pay the required maintenance fee and any applicable surcharge.

*PATENTS WHICH EXPIRED ON November 20, 2002
DUE TO FAILURE TO PAY MAINTENANCE FEES*

Patent Number	Serial Number	Issue Date	Patent Number	Issue Date
4,970,728	07/521,569	11/20/90	4,971,082	11/20/90
4,970,751	07/338,678	11/20/90	4,971,098	11/20/90
4,970,753	07/484,059	11/20/90	4,971,099	11/20/90
4,970,754	07/392,402	11/20/90	4,971,100	11/20/90
4,970,761	07/518,234	11/20/90	4,971,101	11/20/90
4,970,768	07/426,361	11/20/90	4,971,106	11/20/90
4,970,776	07/516,438	11/20/90	4,971,113	11/20/90
4,970,777	07/511,499	11/20/90	4,971,114	11/20/90
4,970,778	07/484,451	11/20/90	4,971,118	11/20/90
4,970,779	07/409,322	11/20/90	4,971,120	11/20/90
4,970,780	07/391,412	11/20/90	4,971,121	11/20/90
4,970,781	07/391,913	11/20/90	4,971,122	11/20/90
4,970,783	07/450,764	11/20/90	4,971,131	11/20/90
4,970,785	07/445,086	11/20/90	4,971,138	11/20/90
4,970,797	07/408,840	11/20/90	4,971,141	11/20/90
4,970,800	07/312,040	11/20/90	4,971,142	11/20/90
4,970,811	07/370,868	11/20/90	4,971,143	11/20/90
4,970,814	07/331,526	11/20/90	4,971,149	11/20/90
4,970,815	07/164,573	11/20/90	4,971,159	11/20/90
4,970,818	07/424,208	11/20/90	4,971,163	11/20/90
4,970,826	07/439,740	11/20/90	4,971,166	11/20/90
4,970,827	07/478,754	11/20/90	4,971,173	11/20/90
4,970,833	07/360,985	11/20/90	4,971,174	11/20/90
4,970,847	07/436,434	11/20/90	4,971,180	11/20/90
4,970,853	07/502,408	11/20/90	4,971,195	11/20/90
4,970,859	07/481,890	11/20/90	4,971,202	11/20/90
4,970,868	07/370,437	11/20/90	4,971,209	11/20/90
4,970,870	07/432,440	11/20/90	4,971,212	11/20/90
4,970,871	07/366,536	11/20/90	4,971,216	11/20/90
4,970,879	07/485,052	11/20/90	4,971,225	11/20/90
4,970,888	07/125,162	11/20/90	4,971,231	11/20/90
4,970,897	07/448,026	11/20/90	4,971,238	11/20/90
4,970,899	07/470,155	11/20/90	4,971,241	11/20/90
4,970,901	07/388,576	11/20/90	4,971,269	11/20/90
4,970,902	07/445,506	11/20/90	4,971,274	11/20/90
4,970,903	07/374,968	11/20/90	4,971,277	11/20/90
4,970,911	07/189,331	11/20/90	4,971,281	11/20/90
4,970,921	07/355,003	11/20/90	4,971,297	11/20/90
4,970,923	06/687,777	11/20/90	4,971,300	11/20/90
4,970,927	07/248,668	11/20/90	4,971,302	11/20/90
4,970,938	07/375,912	11/20/90	4,971,309	11/20/90
4,970,942	07/348,884	11/20/90	4,971,330	11/20/90
4,970,955	07/273,247	11/20/90	4,971,336	11/20/90
4,970,969	07/496,866	11/20/90	4,971,349	11/20/90
4,970,972	07/135,025	11/20/90	4,971,351	11/20/90
4,970,985	07/346,146	11/20/90	4,971,376	11/20/90
4,970,989	07/435,466	11/20/90	4,971,380	11/20/90
4,970,991	07/432,469	11/20/90	4,971,386	11/20/90
4,970,994	07/480,458	11/20/90	4,971,387	11/20/90
4,971,001	07/424,080	11/20/90	4,971,401	11/20/90
4,971,002	07/462,903	11/20/90	4,971,414	11/20/90
4,971,012	07/314,581	11/20/90	4,971,420	11/20/90
4,971,014	07/310,599	11/20/90	4,971,421	11/20/90
4,971,023	07/326,750	11/20/90	4,971,422	11/20/90
4,971,032	07/518,939	11/20/90	4,971,442	11/20/90
4,971,033	07/506,294	11/20/90	4,971,443	11/20/90
4,971,036	07/405,775	11/20/90	4,971,449	11/20/90
4,971,040	07/376,878	11/20/90	4,971,462	11/20/90
4,971,047	07/271,952	11/20/90	4,971,464	11/20/90
4,971,049	07/432,067	11/20/90	4,971,467	11/20/90
4,971,050	07/116,038	11/20/90	4,971,484	11/20/90
4,971,059	07/099,332	11/20/90	4,971,488	11/20/90
4,971,061	07/350,704	11/20/90	4,971,518	11/20/90
4,971,069	07/250,215	11/20/90	4,971,530	11/20/90
4,971,077	07/388,457	11/20/90	4,971,538	11/20/90
			4,971,541	11/20/90
			4,971,548	11/20/90
			4,971,557	11/20/90
			4,971,559	11/20/90
			4,971,562	11/20/90
			4,971,571	11/20/90
			4,971,575	11/20/90
			4,971,576	11/20/90
			07/468,378	11/20/90
			07/446,646	11/20/90
			07/451,302	11/20/90
			07/194,569	11/20/90
			06/620,800	11/20/90
			07/246,461	11/20/90
			07/467,856	11/20/90
			07/437,261	11/20/90
			07/384,280	11/20/90
			07/375,546	11/20/90
			07/418,566	11/20/90
			07/476,920	11/20/90
			07/399,219	11/20/90
			07/461,053	11/20/90
			07/212,065	11/20/90
			07/292,964	11/20/90
			07/354,885	11/20/90
			07/413,597	11/20/90
			07/180,477	11/20/90
			07/406,354	11/20/90
			07/306,647	11/20/90
			07/429,420	11/20/90
			07/325,214	11/20/90
			07/276,486	11/20/90
			07/382,939	11/20/90
			07/381,079	11/20/90
			06/741,488	11/20/90
			07/418,298	11/20/90
			07/427,014	11/20/90
			07/353,889	11/20/90
			07/189,826	11/20/90
			07/227,385	11/20/90
			07/460,565	11/20/90
			07/462,030	11/20/90
			07/411,874	11/20/90
			07/271,206	11/20/90
			07/354,795	11/20/90
			07/321,031	11/20/90
			07/290,839	11/20/90
			07/347,436	11/20/90
			07/434,515	11/20/90
			07/441,819	11/20/90
			07/443,814	11/20/90
			07/049,929	11/20/90
			07/385,707	11/20/90
			07/426,168	11/20/90
			07/484,294	11/20/90
			07/377,038	11/20/90
			07/489,116	11/20/90
			07/244,556	11/20/90
			07/367,265	11/20/90
			07/515,070	11/20/90
			07/414,715	11/20/90
			07/179,516	11/20/90
			07/342,609	11/20/90
			07/289,542	11/20/90
			07/454,062	11/20/90
			07/430,107	11/20/90
			07/488,439	11/20/90
			07/298,350	11/20/90
			07/188,216	11/20/90
			07/335,271	11/20/90
			07/337,739	11/20/90
			07/417,873	11/20/90
			07/363,200	11/20/90
			07/425,908	11/20/90
			07/272,218	11/20/90
			07/422,477	11/20/90
			07/407,220	11/20/90
			07/529,137	11/20/90
			07/494,053	11/20/90
			07/379,861	11/20/90
			07/431,293	11/20/90

Patent Number	Serial Number	Issue Date	4,972,034	07/387,788	11/20/90
			4,972,035	07/317,055	11/20/90
4,971,578	07/398,154	11/20/90	4,972,045	07/330,372	11/20/90
4,971,580	07/451,473	11/20/90	4,972,048	07/362,212	11/20/90
4,971,582	07/244,941	11/20/90	4,972,051	07/390,285	11/20/90
4,971,588	07/308,782	11/20/90	4,972,056	07/358,664	11/20/90
4,971,591	07/342,889	11/20/90	4,972,057	07/368,809	11/20/90
4,971,594	07/411,408	11/20/90	4,972,061	07/317,261	11/20/90
4,971,600	07/339,236	11/20/90	4,972,063	07/412,799	11/20/90
4,971,611	07/346,568	11/20/90	4,972,068	07/074,575	11/20/90
4,971,612	07/327,521	11/20/90	4,972,069	07/491,888	11/20/90
4,971,622	07/293,368	11/20/90	4,972,070	07/386,200	11/20/90
4,971,624	07/289,228	11/20/90	4,972,075	07/388,013	11/20/90
4,971,627	07/371,423	11/20/90	4,972,077	07/384,630	11/20/90
4,971,632	07/209,724	11/20/90	4,972,080	07/368,392	11/20/90
4,971,635	07/214,480	11/20/90	4,972,096	07/384,431	11/20/90
4,971,637	07/357,368	11/20/90	4,972,103	07/387,454	11/20/90
4,971,646	07/326,889	11/20/90	4,972,107	07/415,197	11/20/90
4,971,650	07/411,129	11/20/90	4,972,116	07/318,329	11/20/90
4,971,653	07/494,173	11/20/90	4,972,120	07/348,433	11/20/90
4,971,659	07/471,613	11/20/90	4,972,123	07/301,730	11/20/90
4,971,661	07/424,423	11/20/90	4,972,126	07/399,400	11/20/90
4,971,663	07/299,762	11/20/90	4,972,139	07/350,981	11/20/90
4,971,684	07/249,568	11/20/90	4,972,140	07/206,598	11/20/90
4,971,688	07/388,573	11/20/90	4,972,141	07/289,315	11/20/90
4,971,690	07/346,461	11/20/90	4,972,143	07/277,819	11/20/90
4,971,699	07/459,619	11/20/90	4,972,152	07/387,765	11/20/90
4,971,705	07/393,415	11/20/90	4,972,159	07/398,925	11/20/90
4,971,730	07/393,894	11/20/90	4,972,171	07/379,092	11/20/90
4,971,734	07/377,117	11/20/90	4,972,178	07/332,744	11/20/90
4,971,738	07/220,192	11/20/90	4,972,182	07/259,862	11/20/90
4,971,741	07/215,825	11/20/90	4,972,185	07/344,748	11/20/90
4,971,742	07/350,890	11/20/90	4,972,188	07/407,847	11/20/90
4,971,743	07/325,962	11/20/90	4,972,189	07/425,750	11/20/90
4,971,744	07/396,880	11/20/90	4,972,192	07/431,939	11/20/90
4,971,746	07/221,780	11/20/90	4,972,195	07/426,507	11/20/90
4,971,755	07/369,069	11/20/90	4,972,196	07/097,030	11/20/90
4,971,775	07/068,472	11/20/90	4,972,205	07/443,319	11/20/90
4,971,789	06/678,405	11/20/90	4,972,206	07/457,038	11/20/90
4,971,791	07/517,965	11/20/90	4,972,222	07/346,403	11/20/90
4,971,803	07/259,453	11/20/90	4,972,238	07/280,421	11/20/90
4,971,810	07/413,200	11/20/90	4,972,246	07/171,603	11/20/90
4,971,817	07/277,801	11/20/90	4,972,250	07/020,920	11/20/90
4,971,821	07/341,267	11/20/90	4,972,254	07/157,718	11/20/90
4,971,822	07/333,290	11/20/90	4,972,256	07/306,659	11/20/90
4,971,837	07/333,352	11/20/90	4,972,261	07/235,938	11/20/90
4,971,845	07/328,334	11/20/90	4,972,264	07/368,434	11/20/90
4,971,860	07/315,646	11/20/90	4,972,268	07/369,265	11/20/90
4,971,865	07/167,909	11/20/90	4,972,277	07/269,391	11/20/90
4,971,866	07/462,022	11/20/90	4,972,279	07/342,640	11/20/90
4,971,868	07/372,200	11/20/90	4,972,281	07/507,018	11/20/90
4,971,887	07/330,173	11/20/90	4,972,282	07/320,075	11/20/90
4,971,896	07/280,828	11/20/90	4,972,287	07/449,133	11/20/90
4,971,917	07/117,024	11/20/90	4,972,289	07/383,601	11/20/90
4,971,920	07/275,868	11/20/90	4,972,293	07/387,193	11/20/90
4,971,926	07/285,395	11/20/90	4,972,298	07/404,807	11/20/90
4,971,958	07/356,567	11/20/90	4,972,302	07/380,982	11/20/90
4,971,964	07/366,527	11/20/90	4,972,303	07/474,865	11/20/90
4,971,968	06/679,056	11/20/90	4,972,309	07/323,531	11/20/90
4,971,970	07/424,501	11/20/90	4,972,310	07/306,580	11/20/90
4,971,975	07/182,139	11/20/90	4,972,317	07/390,454	11/20/90
4,971,976	07/296,712	11/20/90	4,972,324	07/282,802	11/20/90
4,971,980	07/376,075	11/20/90	4,972,333	07/116,348	11/20/90
4,971,981	07/145,432	11/20/90	4,972,334	07/156,169	11/20/90
4,971,982	07/210,692	11/20/90	4,972,344	07/267,167	11/20/90
4,971,996	07/283,992	11/20/90	4,972,356	07/345,855	11/20/90
4,972,004	07/280,968	11/20/90	4,972,357	07/314,900	11/20/90
4,972,008	07/275,561	11/20/90	4,972,390	07/334,474	11/20/90
4,972,009	07/396,406	11/20/90	4,972,411	07/343,400	11/20/90
4,972,015	07/383,467	11/20/90	4,972,412	07/283,231	11/20/90
4,972,023	07/170,244	11/20/90	4,972,414	07/435,068	11/20/90
4,972,024	07/224,329	11/20/90	4,972,419	07/413,812	11/20/90
4,972,033	07/308,915	11/20/90	4,972,421	07/392,800	11/20/90

Patent Number	Serial Number	Issue Date	5,363,701	08/227,771	11/15/94
			5,363,702	08/075,878	11/15/94
4,972,423	07/292,185	11/20/90	5,363,703	08/086,086	11/15/94
4,972,433	07/249,068	11/20/90	5,363,704	07/913,498	11/15/94
4,972,441	07/274,639	11/20/90	5,363,709	07/986,176	11/15/94
4,972,444	07/219,074	11/20/90	5,363,712	08/022,107	11/15/94
4,972,448	07/299,584	11/20/90	5,363,718	07/965,926	11/15/94
4,972,458	07/242,644	11/20/90	5,363,720	07/976,075	11/15/94
4,972,471	07/351,591	11/20/90	5,363,721	08/110,518	11/15/94
4,972,473	07/382,198	11/20/90	5,363,722	07/993,162	11/15/94
4,972,493	07/140,704	11/20/90	5,363,726	08/152,732	11/15/94
4,972,494	07/247,556	11/20/90	5,363,729	08/011,756	11/15/94
4,972,498	07/216,399	11/20/90	5,363,734	08/087,987	11/15/94
4,972,502	07/156,665	11/20/90	5,363,736	08/177,390	11/15/94
4,972,510	07/394,460	11/20/90	5,363,742	08/192,789	11/15/94
4,972,512	07/313,669	11/20/90	5,363,746	07/988,349	11/15/94
4,972,513	07/222,193	11/20/90	5,363,748	08/005,232	11/15/94
4,972,515	07/354,558	11/20/90	5,363,749	08/118,122	11/15/94
4,972,517	07/318,284	11/20/90	5,363,750	08/000,116	11/15/94
4,972,518	07/386,022	11/20/90	5,363,752	08/115,426	11/15/94
			5,363,766	07/489,932	11/15/94
			5,363,769	08/164,849	11/15/94
			5,363,772	07/979,322	11/15/94
			5,363,773	08/110,516	11/15/94
			5,363,776	08/111,196	11/15/94
			5,363,779	08/160,532	11/15/94
			5,363,781	08/052,719	11/15/94
5,363,509	08/052,907	11/15/94	5,363,782	08/161,520	11/15/94
5,363,511	08/121,577	11/15/94	5,363,785	07/934,715	11/15/94
5,363,531	08/100,419	11/15/94	5,363,787	08/084,070	11/15/94
5,363,532	08/100,328	11/15/94	5,363,794	07/984,888	11/15/94
5,363,548	07/961,689	11/15/94	5,363,797	07/879,105	11/15/94
5,363,550	07/996,210	11/15/94	5,363,801	08/107,209	11/15/94
5,363,559	07/977,114	11/15/94	5,363,805	08/158,459	11/15/94
5,363,560	08/025,129	11/15/94	5,363,807	08/175,615	11/15/94
5,363,562	07/996,940	11/15/94	5,363,814	07/845,029	11/15/94
5,363,579	07/928,414	11/15/94	5,363,820	08/112,696	11/15/94
5,363,580	08/082,871	11/15/94	5,363,821	08/088,686	11/15/94
5,363,593	07/928,324	11/15/94	5,363,825	08/166,551	11/15/94
5,363,594	07/788,944	11/15/94	5,363,829	08/094,295	11/15/94
5,363,596	08/207,573	11/15/94	5,363,837	08/208,297	11/15/94
5,363,600	07/966,836	11/15/94	5,363,845	08/106,294	11/15/94
5,363,601	07/971,328	11/15/94	5,363,848	07/977,142	11/15/94
5,363,607	08/186,575	11/15/94	5,363,854	07/745,023	11/15/94
5,363,610	08/036,443	11/15/94	5,363,858	08/057,607	11/15/94
5,363,615	08/074,221	11/15/94	5,363,868	08/006,750	11/15/94
5,363,616	07/928,715	11/15/94	5,363,870	08/152,311	11/15/94
5,363,618	07/923,985	11/15/94	5,363,877	08/141,074	11/15/94
5,363,620	08/023,406	11/15/94	5,363,878	08/106,366	11/15/94
5,363,622	07/996,626	11/15/94	5,363,887	08/033,885	11/15/94
5,363,623	07/990,038	11/15/94	5,363,891	08/148,339	11/15/94
5,363,627	08/072,468	11/15/94	5,363,905	08/024,551	11/15/94
5,363,629	08/021,906	11/15/94	5,363,908	07/924,055	11/15/94
5,363,631	08/168,775	11/15/94	5,363,912	08/063,516	11/15/94
5,363,636	07/841,027	11/15/94	5,363,920	08/027,136	11/15/94
5,363,638	07/947,702	11/15/94	5,363,923	08/060,868	11/15/94
5,363,640	08/007,266	11/15/94	5,363,934	08/050,088	11/15/94
5,363,642	08/202,688	11/15/94	5,363,935	08/062,797	11/15/94
5,363,651	08/089,281	11/15/94	5,363,939	07/979,309	11/15/94
5,363,652	08/077,224	11/15/94	5,363,949	07/992,723	11/15/94
5,363,655	08/028,025	11/15/94	5,363,953	07/897,440	11/15/94
5,363,662	07/959,589	11/15/94	5,363,957	08/098,131	11/15/94
5,363,663	07/548,454	11/15/94	5,363,960	07/988,124	11/15/94
5,363,664	07/994,885	11/15/94	5,363,961	08/075,818	11/15/94
5,363,665	08/118,416	11/15/94	5,363,963	08/137,428	11/15/94
5,363,672	08/114,972	11/15/94	5,363,972	07/836,794	11/15/94
5,363,675	08/091,778	11/15/94	5,363,973	08/175,746	11/15/94
5,363,677	08/054,909	11/15/94	5,363,976	08/204,625	11/15/94
5,363,680	08/095,836	11/15/94	5,363,983	08/224,158	11/15/94
5,363,684	08/147,537	11/15/94	5,363,984	08/095,386	11/15/94
5,363,686	08/084,368	11/15/94	5,363,985	08/219,814	11/15/94
5,363,694	08/153,762	11/15/94	5,363,990	08/201,589	11/15/94
5,363,696	08/124,958	11/15/94	5,363,992	07/999,331	11/15/94

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