

**Accession Dates for USPTO specifications held on
Microfiche by IPONZ
1990-1994**

Film Reel		Issue Date (USPTO)	Contents		Accession Date IPONZ
Year	Number		Patent No. to-	Patent No.	
1990	-1	Jan-02	4890335	4890710	13-Aug-90
1990	-2	2-Jan	4890711	4891076	8-Jun-90
1990	-3	2-Jan	4891077	4891440	28-Jun-90
1990	-4	2-Jan	4891441	4891752	29-Aug-90
1990	-5	2-9-Jan	4891753	4892073	28-Jun-90
1990	-6	9-Jan	4892074	4892466	13-Aug-90
1990	-7	9-Jan	4892467	4892840	29-Aug-90
1990	-8	9-Jan	4892841	4893162	29-Aug-90
1990	-9	9-16 Jan	4893163	4893435	29-Aug-90
1990	-10	16-Jan	4893436	4893793	13-Aug-90
1990	-11	16-Jan	4893794	4894155	13-Aug-90
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1990	-13	16-Jan	4894511	4894814	13-Aug-90
1990	-14	16-23-Jan	4894815	4895165	13-Aug-90
1990	-15	23-Jan	4895166	4895553	29-Aug-90
1990	-16	23-Jan	4895554	4895880	29-Aug-90
1990	-17	23-Jan	4895881	4896244	13-Aug-90
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1990	-22	30-Jan	4897617	4897866	10-Sep-90
1990	-23	30-Jan-6-Feb	4897867	4898210	13-Aug-90
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1990	-26	6-Feb	4898937	4899240	13-Aug-90
1990	-27	6-13-Feb	4899241	4899550	13-Aug-90
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1990	-29	13-Feb	4899923	4900284	29-Aug-90
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1990	-35	20-Feb	4901856	4902242	10-Sep-90
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1990	-46	6-Mar	4905552	4905910	10-Sep-90
1990	-47	6-Mar	4905911	4906278	29-Aug-90
1990	-48	6-Mar	4906279	4906577	29-Aug-90

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1990	-57	20-Mar	4909100	4909485	13-Aug-90
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1990	-67	27-Mar	4912414	4912660	29-Aug-90
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1990	-89	24-Apr	4919391	4919770	20-Sep-90
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1990	-100	8-May	4923118	4923500	10-Jan-91
1990	-101	8-May	4923501	4923817	26-Sep-90
1990	-102	8-May	4923818	4924165	12-Oct-90

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1990	-103	8-May	4924166	4924424	15-Jan-91
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1990	-112	22-May	4926945	4927339	26-Sep-90
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1990	-117	29-May	4928691	4929080	27-Sep-90
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1990	-128	12-Jun	4932631	4933010	8-Oct-90
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1990	-139	26-Jun	4936241	4936630	10-Nov-90
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1990	-142	26-Jun	4937368	4937673	8-Oct-90
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1990	-150	10-Jul	4939971	4940337	16-Oct-90
1990	-151	10-Jul	4940338	4940707	9-Oct-90
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1990	-156	17-Jul	4942099	4942440	9-Oct-90

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1990	-162	24-Jul	4944039	4944365	8-Oct-90
1990	-163	24-Jul	4944366	4944758	30-Nov-90
1990	-164	24-Jul	4944759	4945090	11-Dec-90
1990	-165	24-Jul	4945406	4945405	8-Oct-90
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1990	-169	7-Aug	4946403	4946760	8-Oct-90
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1990	-181	21-Aug	4950491	4950850	26-Mar-91
1990	-182	21-Aug	4950851	4951160	13-Nov-90
1990	-183	21-28-Aug	4951161	4951452	13-Nov-90
1990	-184	28-Aug	4951453	4951770	13-Nov-90
1990	-185	28-Aug	4951771	4952133	29-Oct-90
1990	-186	28-Aug	4952134	4952478	29-Oct-90
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1990	-189	28-Aug-4-Sep	4953080	4953350	13-Nov-90
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1990	-191	4-Sep	4953724	4954090	10-Jan-91
1990	-192	4-Sep	4954091	4954460	13-Nov-90
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1990	-194	4-Sep	4954791	4955046	13-Nov-90
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1990	-203	18-Sep	4957851	4958178	28-Nov-90
1990	-204	18-25-Sep	4958179	4958440	10-Jan-91
1990	-205	25-Sep	4958441	4958819	7-Jan-91
1990	-206	25-Sep	4958820	4959167	7-Jan-91
1990	-207	25-Sep	4959168	4959503	6-Dec-90
1990	-208	25-Sep	4959504	4959765	7-Jan-91
1990	-209	25-Sep-2-Oct	4959766	4960065	7-Jan-91
1990	-210	2-Oct	4960066	4960410	1-Feb-91

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1990	-211	2-Oct	4960411	4960769	10-Jan-91
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1990	-217	9-16-Oct	4962431	4962740	7-Jan-91
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1990	-224	23-Oct	4964761	4965110	7-Jan-91
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1990	-226	23-Oct	4965441	4965735	7-Jan-91
1990	-227	23-30-Oct	4965736	4966000	1-Feb-91
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1990	-231	30-Oct	4967071	4967356	7-Jan-91
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1990	-237	6-Nov	4968999	4969212	7-Feb-91
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1990	-261	11-Dec	4976960	4977272	26-Feb-91
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1990	-264	18-Dec	4977898	4978260	26-Feb-91

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1990	-269	25-Dec	4979511	4979870	7-Mar-91
1990	-270	25-Dec	4979871	4980250	7-Mar-91
1990	-271	25-Dec	4980251	4980594	7-Mar-91
1990	-272	25-Dec	4980595	4980835	7-Mar-91
1990	-273	25-Dec	4980836	4980926	7-Mar-91
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1991	-4	1-Jan	4981974	4982320	26-Mar-91
1991	-5	1-Jan	4982321	4982620	2-Apr-91
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1991	-19	22-Jan	4986955	4987320	16-Apr-91
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1991	-41	19-Feb	4994151	4994470	25-Oct-91
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1991	-45	26-Feb	4995364	4995720	19-Aug-91
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1991	-47	26-Feb	4996011	4996390	1-Nov-91
1991	-48	26-Feb	4996391	4996660	19-Aug-91
1991	-49	26 Feb-5 Mar	4996661	4997000	19-Aug-91
1991	-50	5-Mar	4997001	4997340	19-Aug-91
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1991	-52	5-Mar	4997751	4998077	5-Sep
1991	-53	5-12 Mar	4998078	4998370	25-Oct-91
1991	-54	12-Mar	4998371	4998750	1-Oct-91
1991	-55	12-Mar	4998751	4999080	1-Oct-91
1991	-56	12-Mar	4999081	4999320	9-Jan-92
1991	-57	12-Mar	4999321	4999640	7-Jan-92
1991	-58	12-19 Mar	4999641	4999960	9-Dec-91
1991	-59	19-Mar	4999961	5000285	5-Sep-91
1991	-60	19-Mar	5000286	5000657	4-Sep-91
1991	-61	19-Mar	5000658	5001027	1-Oct-91
1991	-62	19-Mar	5001028	5001350	9-Oct-91
1991	-63	19-Mar	5001351	5001630	4-Sep-91
1991	-64	19-26-Mar	5001631	5001908	25-Oct-91
1991	-65	26-Mar	5001909	5002240	18-Mar-92
1991	-66	26-Mar	5002241	5002583	1-Oct-91
1991	-67	26-Mar	5002584	5002930	4-Sep-91
1991	-68	26-Mar	5002931	5003300	29-Aug-91
1991	-69	26-Mar	5003301	5003537	4-Sep-91
1991	-70	26-Mar-2-Apr	5003538	5003870	16-Dec-91
1991	-71	2-Apr	5003871	5004228	9-Dec-91
1991	-72	2-Apr	5004229	5004590	1-Oct-91
1991	-73	2-Apr	5004591	5004890	16-Dec-91
1991	-74	2-Apr	5004891	5005140	1-Oct-91
1991	-75	2-9-Apr	5005141	5005450	25-Oct-91
1991	-76	9-Apr	5005451	5005820	7-Jan-92
1991	-77	9-Apr	5005821	5006150	25-Oct-91
1991	-78	9-Apr	5006151	5006495	7-Jan-91
1991	-79	9-Apr	5006496	5006810	25-Oct-91
1991	-80	9-Apr	5006811	5007002	9-Dec-91
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1991	-90	23-Apr	5009841	5010195	7-Jan-92
1991	-91	23-Apr	5010196	5010477	7-Jan-92
1991	-92	23-30-Apr	5010478	5010760	25-Oct-91
1991	-93	30-Apr	5010761	5011120	7-Jan-92
1991	-94	30-Apr	5011121	5011480	16-Dec-91
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1991	-102	7-May	5014061	5014270	9-Dec-91
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1991	-105	14-May	5014901	5015258	25-Feb-92
1991	-106	14-May	5015259	5015580	25-Nov-91
1991	-107	14-May	5015581	5015920	11-Mar-92
1991	-108	14-May	5015921	5016162	25-Mar-92
1991	-109	14-21-May	5016163	5016465	9-Dec-91
1991	-110	21-May	5016466	5016770	25-Oct-91
1991	-111	21-May	5016771	5017080	11-Mar-92
1991	-112	21-May	5017081	5017390	25-Feb-92
1991	-113	21-May	5017391	5017735	21-Feb-92
1991	-114	21-May	5017736	5018010	11-Mar-92
1991	-115	21-May	5018011	5018219	25-Nov-91
1991	-116	28-May	5018220	5018580	25-Feb-92
1991	-117	28-May	5018581	5018950	25-Feb-92
1991	-118	28-May	5018951	5019280	25-Feb-92
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1991	-122	4-Jun	5020156	5020474	25-Feb-92
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1991	-125	4-Jun	5021166	5021470	25-Feb-92
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1991	-137	18-Jun	5024940	5025230	25-Nov-91
1991	-138	18-Jun	5025231	5025460	11-Mar-92
1991	-139	18-25-Jun	5025461	5025727	25-Nov-91
1991	-140	25-Jun	5025728	5026054	25-Nov-91
1991	-141	25-Jun	5026055	5026378	7-Jan-92
1991	-142	25-Jun	5026379	5026750	9-Dec-91
1991	-143	25-Jun	5026751	5027095	10-Feb-92
1991	-144	25-Jun	5027096	5027290	27-Nov-91
1991	-145	25-Jun-2-Jul	5027291	5027590	18-Mar-92
1991	-146	2-Jul	5027591	5027920	11-Mar-92
1991	-147	2-Jul	5027921	5028230	25-Feb-92
1991	-148	2-Jul	5028231	5028570	7-Jun-92
1991	-149	2-Jul	5028571	5028890	10-Feb-92
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1991	-154	9-Jul	5030101	5030440	25-Mar-92
1991	-155	9-Jul	5030441	5030750	30-Apr-92
1991	-156	9-Jul	5030751	5031050	10-Feb-92
1991	-157	9-16-Jul	5031051	5031320	13-Mar-92
1991	-158	16-Jul	5031321	5031660	10-Feb-92
1991	-159	16-Jul	5031661	5032025	13-Mar-92
1991	-160	16-Jul	5032026	5032350	25-Mar-92
1991	-161	16-Jul	5032351	5032660	11-May-92
1991	-162	16-Jul	5032661	5032937	24-Jan-92
1991	-163	16-23-Jul	5032938	5033240	24-Jan-92
1991	-164	23-Jul	5033241	5033610	13-Mar-92
1991	-165	23-Jul	5033611	5033986	10-Feb-92
1991	-166	23-Jul	5033987	5034350	25-Mar-92
1991	-167	23-Jul	5034351	5034690	13-Mar-92
1991	-168	23-Jul	5034691	5034960	13-Mar-92
1991	-169	23-30-Jul	5034961	5035307	18-Mar-92
1991	-170	30-Jul	5035308	5035649	10-Feb-92
1991	-171	30-Jul	5035650	5036045	25-Mar-92
1991	-172	30-Jul	5036046	5036350	25-Mar-92
1991	-173	30-Jul	5036351	5036546	13-Mar-92
1991	-174	6-Aug	5036547	5036900	18-Mar-92
1991	-175	6-Aug	5036901	5037240	13-Mar-92
1991	-176	6-Aug	5037241	5037590	18-Mar-92
1991	-177	6-Aug	5037591	5037900	
1991	-178	6-Aug	5037901	5038215	30-Apr-92
1991	-179	6-13-Aug	5038216	5038456	10-Feb-92
1991	-180	13-Aug	5038457	5038790	10-Feb-92
1991	-181	13-Aug	5038791	5039125	10-Feb-92
1991	-182	13-Aug	5039126	5039490	10-Feb-92
1991	-183	13-Aug	5039491	5039823	25-Mar-92
1991	-184	13-Aug	5039824	5040090	10-Feb-92
1991	-185	13-20-Aug	5040091	5040370	10-Feb-92
1991	-186	20-Aug	5040371	5040730	13-Mar-92
1991	-187	20-Aug	5040731	5041130	10-Feb-92
1991	-188	20-Aug	5041131	5041455	13-Mar-92
1991	-189	20-Aug	5041456	5041820	10-Feb-92
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1991	-192	27-Aug	5042346	5042690	25-Feb-92
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1991	-194	27-Aug	5043048	5043400	3-Apr-92
1991	-195	27-Aug	5043401	5043737	18-Mar-92
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1991	-198	3-Sep	5044281	5044660	13-Mar-92
1991	-199	3-Sep	5044661	5045038	30-Apr-92
1991	-200	3-Sep	5045039	5045410	30-Apr-92
1991	-201	3-Sep	5045411	5045735	13-Mar-92
1991	-202	3-Sep	5045736	5046017	18-Mar-92
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1991	-204	10-Sep	5046316	5046660	18-Mar-92

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1991	-208	10-Sep	5047661	5047918	25-Mar-92
1991	-209	10-Sep	5047919	5048120	3-Apr-92
1991	-210	17-Sep	5048121	5048480	25-Mar-92
1991	-211	17-Sep	5048481	5048843	25-Mar-92
1991	-212	17-Sep	5048844	5049180	30-Apr-92
1991	-213	17-Sep	5049181	5049504	6-Apr-92
1991	-214	17-Sep	5049505	5049810	1-May-92
1991	-215	17-Sep	5049811	5050070	15-May-92
1991	-216	17-24-Sep	5050071	5050320	28-May-92
1991	-217	24-Sep	5050321	5050650	6-Apr-92
1991	-218	24-Sep	5050651	5051007	30-Apr-92
1991	-219	24-Sep	5051008	5051370	1-May-92
1991	-220	24-Sep	5051371	5051700	3-Apr-92
1991	-221	24-Sep	5051701	5051956	3-Apr-92
1991	-222	24-Sep-1-Oct	5051957	5052250	11-May-92
1991	-223	1-Oct	5052251	5052580	3-Apr-92
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1991	-225	1-Oct	5052921	5053260	3-Apr-92
1991	-226	1-Oct	5053261	5053550	3-Apr-92
1991	-227	1-Oct	5053551	5053836	3-Apr-92
1991	-228	1-Oct	5053837	5054050	3-Apr-92
1991	-229	1-8-Oct	5054051	5054360	10-Apr-92
1991	-230	8-Oct	5054361	5054720	10-Apr-92
1991	-231	8-Oct	5054721	5055044	10-Apr-92
1991	-232	8-Oct	5055045	5055396	10-Apr-92
1991	-233	8-Oct	5055397	5055705	10-Apr-92
1991	-234	8-Oct	5055706	5055997	10-Apr-92
1991	-235	8-15-Oct	5055998	5056280	22-Apr-92
1991	-236	15-Oct	5056281	5056590	22-Apr-92
1991	-237	15-Oct	5056591	5056927	22-Apr-92
1991	-238	15-Oct	5056928	5057270	1-May-92
1991	-239	15-Oct	5057271	5057570	22-Apr-92
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1991	-241	15-Oct	5057881	5058149	22-Apr-92
1991	-242	15-22-Oct	5058150	5058476	30-Apr-92
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1991	-245	22-Oct	5059156	5059510	30-Apr-92
1991	-246	22-Oct	5059511	5059810	1-May-92
1991	-247	22-Oct	5059811	5060105	30-Apr-92
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1991	-249	29-Oct	5060408	5060750	1-May-92
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1991	-251	29-Oct	5061081	5061450	30-Apr-92
1991	-252	29-Oct	5061451	5061800	1-May-92
1991	-253	29-Oct	5061801	5062060	1-May-92
1991	-254	29-Oct-5-Nov	5062061	5062365	1-May-92
1991	-255	5-Nov	5062366	5062695	28-May-92
1991	-256	5-Nov	5062696	5063020	1-May-92
1991	-257	5-Nov	5063021	5063330	1-May-92
1991	-258	5-Nov	5063331	5063580	1-May-92

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1991	-264	12-19-Nov	5065251	5065495	1-May-92
1991	-265	19-Nov	5065496	5065780	1-May-92
1991	-266	19-Nov	5065781	5066140	1-May-92
1991	-267	19-Nov	5066141	5066510	11-May-92
1991	-268	19-Nov	5066511	5066830	1-May-92
1991	-269	19-Nov	5066831	5067110	1-May-92
1991	-270	19-26-Nov	5067111	5067450	30-Apr-92
1991	-271	26-Nov	5067451	5067790	11-May-92
1991	-272	26-Nov	5067791	5068170	15-May-92
1991	-273	26-Nov	5068171	5068520	11-May-92
1991	-274	26-Nov	5068521	5068787	11-May-92
1991	-275	26-Nov-3-Dec	5068788	5069080	11-May-92
1991	-276	3-Dec	5069081	5069440	28-May-92
1991	-277	3-Dec	5069441	5069790	15-May-92
1991	-278	3-Dec	5069791	5070130	15-May-92
1991	-279	3-Dec	5070131	5070440	15-May-92
1991	-280	3-10-Dec	5070441	5070720	11-May-92
1991	-281	10-Dec	5070721	5071080	11-May-92
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1991	-283	10-Dec	5071431	5071770	11-May-92
1991	-284	10-Dec	5071771	5072080	11-May-92
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1992	-69	24-Mar	5099476	5099790	23-Jun-92
1992	-70	31-Mar	5099791	5100130	23-Jun-92
1992	-71	31-Mar	5100131	5100480	23-Jun-92
1992	-72	31-Mar	5100481	5100814	23-Jun-92
1992	-73	31-Mar	5100815	5101130	23-Jun-92
1992	-74	31-Mar	5101131	5101380	23-Jun-92
1992	-75	31-Mar-7-Apr	5101381	5101614	23-Jun-92
1992	-76	7-Apr	5101615	5101940	23-Jun-92
1992	-77	7-Apr	5101941	5102270	23-Jun-92
1992	-78	7-Apr	5102271	5102590	26-Jun-92
1992	-79	7-Apr	5102591	5102910	26-Jun-92
1992	-80	7-Apr	5102911	5103246	29-Jun-92
1992	-81	7-Apr	5103247	5103499	26-Jun-92
1992	-82	14-Apr	5103500	5103830	26-Jun-92
1992	-83	14-Apr	5103831	5104185	30-Jun-92
1992	-84	14-Apr	5104186	5104530	29-Jun-92
1992	-85	14-Apr	5104531	5104850	26-Jun-92
1992	-86	14-Apr	5104851	5105170	29-Jun-92
1992	-87	14-Apr	5105171	5105430	30-Jun-92
1992	-88	14-21-Apr	5105431	5105790	29-Jun-92
1992	-89	21-Apr	5105791	5106150	29-Jun-92
1992	-90	21-Apr	5106151	5106499	29-Jun-92
1992	-91	21-Apr	5106500	5106820	29-Jun-92
1992	-92	21-Apr	5106821	5107148	29-Jun-92
1992	-93	21-Apr	5107149	5107425	29-Jun-92
1992	-94	21-Apr	5107426	5107710	30-Jun-92
1992	-95	28-Apr	5107711	5108027	30-Jun-92
1992	-96	28-Apr	5108028	5108366	30-Jun-92
1992	-97	28-Apr	5108367	5108700	29-Jun-92
1992	-98	28-Apr	5108701	5108955	29-Jun-92
1992	-99	28-Apr	5108956	5109277	29-Jun-92
1992	-100	28-Apr	5109278	5109486	30-Jun-92
1992	-101	28-Apr-5-May	5109487	5109820	8-Jul-92
1992	-102	5-May	5109821	5110178	8-Jul-92
1992	-103	5-May	5110179	5110518	8-Jul-92
1992	-104	5-May	5110519	5110830	8-Jul-92
1992	-105	5-May	5110831	5111140	8-Jul-92
1992	-106	5-May	5111141	5111376	8-Jul-92
1992	-107	5-12-May	5111377	5111640	8-Jul-92
1992	-108	12-May	5111641	5111971	8-Jul-92
1992	-109	12-May	5111972	5112310	14-Jul-92
1992	-110	12-May	5112311	5112680	14-Jul-92
1992	-111	12-May	5112681	5112950	8-Jul-92
1992	-112	12-May	5112951	5113247	21-Jul-92
1992	-113	12-May	5113248	5113480	14-Jul-92
1992	-114	12-19-May	5113481	5113740	14-Jul-92
1992	-115	19-May	5113741	5114080	14-Jul-92
1992	-116	19-May	5114081	5114420	21-Jul-92
1992	-117	19-May	5114421	5114770	21-Jul-92
1992	-118	19-May	5114771	5115080	21-Jul-92

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1992	-120	19-26-May	5115331	5115590	21-Jul-92
1992	-121	26-May	5115591	5115906	21-Jul-92
1992	-122	26-May	5115907	5116240	21-Jul-92
1992	-123	26-May	5116241	5116590	21-Jul-92
1992	-124	26-May	5116591	5116910	21-Jul-92
1992	-125	26-May	5116911	5117224	21-Jul-92
1992	-126	26-May	5117225	5117469	14-Jul-92
1992	-127	26-May-2-Jun	5117470	5117740	21-Jul-92
1992	-128	2-Jun	5117741	5118095	13-Aug-92
1992	-129	2-Jun	5118096	5118457	20-Nov-92
1992	-130	2-Jun	5118458	5118770	29-Jul-92
1992	-131	2-Jun	5118771	5119090	29-Jul-92
1992	-132	2-Jun	5119091	5119310	13-Aug-92
1992	-133	2-Jun	5119311	5119509	13-Aug-92
1992	-134	9-Jun	5119510	5119860	13-Aug-92
1992	-135	9-Jun	5119861	5120220	29-Jul-92
1992	-136	9-Jun	5120221	5120630	13-Aug-92
1992	-137	9-Jun	5120631	5120940	13-Aug-92
1992	-138	9-Jun	5120941	5121195	13-Aug-92
1992	-139	9-Jun	5121196	5121440	13-Aug-92
1992	-140	9-16-Jun	5121441	5121697	13-Aug-92
1992	-141	16-Jun	5121698	5122050	13-Aug-92
1992	-142	16-Jun	5122051	5122430	13-Aug-92
1992	-143	16-Jun	5122431	5122732	13-Aug-92
1992	-144	16-Jun	5122733	5122956	13-Aug-92
1992	-145	16-23-Jun	5122957	5123170	13-Aug-92
1992	-146	23-Jun	5123171	5123510	13-Aug-92
1992	-147	23-Jun	5123511	5123800	13-Aug-92
1992	-148	23-Jun	5123801	5124120	13-Aug-92
1992	-149	23-Jun	5124121	5124420	13-Aug-92
1992	-150	23-Jun	5124421	5124730	13-Aug-92
1992	-151	23-Jun	5124731	5124942	13-Aug-92
1992	-152	23-30-Jun	5124943	5125220	20-Aug-92
1992	-153	30-Jun	5125221	5125520	20-Aug-92
1992	-154	30-Jun	5125521	5125865	20-Aug-92
1992	-155	30-Jun	5125866	5126210	31-Aug-92
1992	-156	30-Jun	5126211	5126506	20-Aug-92
1992	-157	30-Jun	5126507	5126786	20-Aug-92
1992	-158	30-Jun	5126787	5127020	20-Aug-92
1992	-159	30-Jun-7-Jul	5127021	5127330	31-Aug-92
1992	-160	7-Jul	5127331	5127674	20-Aug-92
1992	-161	7-Jul	5127675	5128034	20-Aug-92
1992	-162	7-Jul	5128035	5128357	20-Aug-92
1992	-163	7-Jul	5128358	5128680	31-Aug-92
1992	-164	7-Jul	5128681	5128885	31-Aug-92
1992	-165	7-Jul	5128886	5129100	8-Sep-92
1992	-166	14-Jul	5129101	5129440	8-Sep-92
1992	-167	14-Jul	5129441	5129803	8-Sep-92
1992	-168	14-Jul	5129804	5130180	8-Sep-92
1992	-169	14-Jul	5130181	5130537	31-Aug-92
1992	-170	14-Jul	5130538	5130805	8-Sep-92
1992	-171	14-Jul	5130806	5131060	8-Sep-92
1992	-172	14-21-Jul	5131061	5131380	18-Sep-92

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1992	-175	21-Jul	5132131	5132470	18-Sep-92
1992	-176	21-Jul	5132471	5132780	18-Sep-92
1992	-177	21-Jul	5132781	5133019	18-Sep-92
1992	-178	21-28-Jul	5133020	5133356	21-Sep-92
1992	-179	28-Jul	5133357	5133730	29-Sep-92
1992	-180	28-Jul	5133731	5134100	29-Sep-92
1992	-181	28-Jul	5134101	5134390	21-Sep-92
1992	-182	28-Jul	5134391	5134640	29-Sep-92
1992	-183	28-Jul-4-Aug	5134641	5134955	12-Oct-92
1992	-184	4-Aug	5134956	5135326	29-Sep-92
1992	-185	4-Aug	5135327	5135650	29-Sep-92
1992	-186	4-Aug	5135651	5135980	29-Sep-92
1992	-187	4-Aug	5135981	5136310	29-Sep-92
1992	-188	4-Aug	5136311	5136560	29-Sep-92
1992	-189	4-11-Aug	5136561	5136870	15-Oct-92
1992	-190	11-Aug	5136871	5137220	12-Oct-92
1992	-191	11-Aug	5137221	5137580	12-Oct-92
1992	-192	11-Aug	5137581	5137890	12-Oct-92
1992	-193	11-Aug	5137891	5138210	12-Oct-92
1992	-194	11-Aug	5138211	5138480	12-Oct-92
1992	-195	11-Aug	5138481	5138713	15-Oct-92
1992	-196	18-Aug	5138714	5139060	15-Oct-92
1992	-197	18-Aug	5139061	5139425	15-Oct-92
1992	-198	18-Aug	5139426	5139800	15-Oct-92
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1992	-204	25-Aug	5141291	5141620	20-Oct-92
1992	-205	25-Aug	5141621	5141947	20-Oct-92
1992	-206	25-Aug	5141948	5142280	20-Oct-92
1992	-207	25-Aug	5142281	5142530	20-Oct-92
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1992	-217	8-Sep	5145361	5145750	27-Oct-92
1992	-218	8-Sep	5145751	5146080	27-Oct-92
1992	-219	8-Sep	5146081	5146370	27-Oct-92
1992	-220	8-Sep	5146371	5146590	3-Nov-92
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1992	-222	15-Sep	5146621	5146980	28-Oct-92
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1992	-224	15-Sep	5147341	5147690	3-Nov-92
1992	-225	15-Sep	5147691	5148022	3-Nov-92
1992	-226	15-Sep	5148023	5148293	3-Nov-92

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1992	-230	22-Sep	5149261	5149626	18-Nov-92
1992	-231	22-Sep	5149627	5149920	3-Nov-92
1992	-232	22-Sep	5149921	5150210	3-Nov-92
1992	-233	22-Sep	5150211	5150474	10-Nov-92
1992	-234	29-Sep	5150475	5150830	18-Nov-92
1992	-235	29-Sep	5150831	5151190	18-Nov-92
1992	-236	29-Sep	5151191	5151520	18-Nov-92
1992	-237	29-Sep	5151521	5151810	18-Nov-92
1992	-238	29-Sep	5151811	5152012	18-Nov-92
1992	-239	6-Oct	5152013	5152370	26-Nov-92
1992	-240	6-Oct	5152371	5152740	26-Nov-92
1992	-241	6-Oct	5152741	5153110	26-Nov-92
1992	-242	6-Oct	5153111	5153426	26-Nov-92
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1992	-245	13-Oct	5153938	5154300	26-Nov-92
1992	-246	13-Oct	5154301	5154690	30-Nov-92
1992	-247	13-Oct	5154691	5155050	30-Nov-92
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1992	-249	13-Oct	5155361	5155650	12-Feb-93
1992	-250	13-Oct	5155651	5155862	12-Feb-93
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1992	-252	20-Oct	5156191	5156560	12-Feb-93
1992	-253	20-Oct	5156561	5156920	12-Feb-93
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1992	-255	20-Oct	5157221	5157510	11-Dec-92
1992	-256	20-Oct	5157511	5157700	11-Dec-92
1992	-257	20-27-Oct	5157701	5157990	6-Jan-93
1992	-258	27-Oct	5157991	5158360	11-Dec-92
1992	-259	27-Oct	5158361	5158700	6-Jan-93
1992	-260	27-Oct	5158701	5159040	6-Jan-93
1992	-261	27-Oct	5159041	5159330	11-Dec-92
1992	-262	27-Oct	5159331	5159560	6-Jan-93
1992	-263	27-Oct-3-Nov	5159561	5159830	6-Jan-93
1992	-264	3-Nov	5159831	5160200	6-Jan-93
1992	-265	3-Nov	5160201	5160570	6-Jan-93
1992	-266	3-Nov	5160571	5160910	6-Jan-93
1992	-267	3-Nov	5160911	5161170	6-Jan-93
1992	-268	3-10-Nov	5161171	5161480	6-Jan-93
1992	-269	10-Nov	5161481	5161840	6-Jan-93
1992	-270	10-Nov	5161841	5162196	6-Jan-93
1992	-271	10-Nov	5162197	5162480	6-Jan-93
1992	-272	10-Nov	5162481	5162780	6-Jan-93
1992	-273	10-Nov	5162781	5162994	6-Jan-93
1992	-274	10-Nov	5162995	5163181	6-Jan-93
1992	-275	17-Nov	5163182	5163530	13-Jan-93
1992	-276	17-Nov	5163531	5163910	13-Jan-93
1992	-277	17-Nov	5163911	5164280	13-Jan-93
1992	-278	17-Nov	5164281	5164580	13-Jan-93
1992	-279	17-Nov	5164581	5164860	6-Jan-93
1992	-280	17-Nov	5164861	5165076	13-Jan-93

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Year	Number		Patent No. to-	Patent No.	
1992	-281	17-24-Nov	5165077	5165420	13-Jan-93
1992	-282	24-Nov	5165421	5165790	6-Jan-93
1992	-283	24-Nov	5165791	5166130	13-Jan-93
1992	-284	24-Nov	5166131	5166460	13-Jan-93
1992	-285	24-Nov	5166461	5166750	13-Jan-93
1992	-286	24-Nov	5166751	5167004	13-Jan-93
1992	-287	24-Nov-1-Dec	5167005	5167300	13-Jan-93
1992	-288	1-Dec	5167301	5167680	13-Jan-93
1992	-289	1-Dec	5167681	5168015	13-Jan-93
1992	-290	1-Dec	5168016	5168300	13-Jan-93
1992	-291	1-Dec	5168301	5168537	13-Jan-93
1992	-292	1-8-Dec	5168538	5168860	13-Jan-93
1992	-293	8-Dec	5168861	5169250	13-Jan-93
1992	-294	8-Dec	5169251	5169620	19-Jan-93
1992	-295	8-Dec	5169621	5169950	19-Jan-93
1992	-296	8-Dec	5169951	5170260	19-Jan-93
1992	-297	8-Dec	5170261	5170500	19-Jan-93
1992	-298	15-Dec	5170501	5170870	28-Jan-93
1992	-299	15-Dec	5170871	5171230	21-Jan-93
1992	-300	15-Dec	5171231	5171580	3-Feb-93
1992	-301	15-Dec	5171581	5171900	21-Jan-93
1992	-302	15-Dec	5171901	5172210	21-Jan-93
1992	-303	15-Dec	5172211	5172423	19-Jan-93
1992	-304	22-Dec	5172424	5172787	28-Jan-93
1992	-305	22-Dec	5172788	5173170	3-Feb-93
1992	-306	22-Dec	5173171	5173500	3-Feb-93
1992	-307	22-Dec	5173501	5173816	3-Feb-93
1992	-308	22-29-Dec	5173817	5174140	10-Feb-93
1992	-309	29-Dec	5174141	5174480	8-Feb-93
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1992	-313	29-Dec	5175452	5175709	12-Feb-93
1992	-314	29-Dec	5175710	5175885	10-Feb-93
1993	-1	5-Jan	5175886	5176230	17-Feb-93
1993	-2	5-Jan	5176231	5176610	17-Feb-93
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1993	-4	5-Jan	5176991	5177348	10-Mar-93
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1993	-9	12-Jan	5178641	5179020	1-Mar-93
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1993	-12	12-19-Jan	5179626	5179890	19-Feb-93
1993	-13	19-Jan	5179891	5180270	10-Mar-93
1993	-14	19-Jan	5180271	5180620	16-Mar-93
1993	-15	19-Jan	5180621	5180930	10-Mar-93
1993	-16	19-Jan	5180931	5181190	10-Mar-93
1993	-17	19-26-Jan	5181191	5181510	10-Mar-93
1993	-18	26-Jan	5181511	5181860	16-Mar-93
1993	-19	26-Jan	5181861	5182230	10-Mar-93
1993	-20	26-Jan	5182231	5182510	16-Mar-93

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1993	-29	9-Feb	5184961	5185320	18-Mar-93
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1993	-31	9-Feb	5185641	5185870	6-Apr-93
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1993	-33	16-Feb	5186171	5186540	6-Apr-93
1993	-34	16-Feb	5186541	5186890	1-Apr-93
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1993	-36	16-Feb	5187161	5187480	6-Apr-93
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1993	-38	16-23-Feb	5187731	5187990	6-Apr-93
1993	-39	23-Feb	5187991	5188370	6-Apr-93
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1993	-41	23-Feb	5188761	5189060	15-Apr-93
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1993	-43	23-Feb	5189401	5189623	6-Apr-93
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1993	-48	2-Mar	5190951	5191300	10-May-93
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1993	-58	16-Mar	5194151	5194530	12-May-93
1993	-59	16-Mar	5194531	5194850	12-May-93
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1993	-73	30-Mar	5198681	5198970	19-May-93
1993	-74	30-Mar-6-Apr	5198971	5199280	19-May-93

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1993	-79	6-Apr	5200661	5200900	26-May-93
1993	-80	6-Apr	5200901	5201072	24-May-93
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1993	-82	13-Apr	5201441	5201800	26-May-93
1993	-83	13-Apr	5201801	5202140	26-May-93
1993	-84	13-Apr	5202141	5202370	26-May-93
1993	-85	13-Apr	5202371	5202661	21-Jul-93
1993	-86	13-Apr	5202662	5202905	26-May-93
1993	-87	13-20-Apr	5202906	5203170	26-May-93
1993	-88	20-Apr	5203171	5203530	31-May-93
1993	-89	20-Apr	5203531	5203870	31-May-93
1993	-90	20-Apr	5203871	5204235	31-May-93
1993	-91	20-Apr	5204236	5204539	8-Jun-93
1993	-92	20-Apr	5204540	5204792	31-May-93
1993	-93	20-Apr	5204793	5204992	17-Jun-93
1993	-94	27-Apr	5204993	5205330	17-Jun-93
1993	-95	27-Apr	5205331	5205700	17-Jun-93
1993	-96	27-Apr	5205701	5206020	17-Jun-93
1993	-97	27-Apr	5206021	5206340	17-Jun-93
1993	-98	27-Apr	5206341	5206650	17-Jul-93
1993	-99	27-Apr	5206651	5206890	29-Jun-93
1993	-100	27-Apr-4-May	5206891	5207200	30-Jun-93
1993	-101	4-May	5207201	5207560	30-Jun-93
1993	-102	4-May	5207561	5207890	30-Jun-93
1993	-103	4-May	5207891	5208230	30-Jun-93
1993	-104	4-May	5208231	5208587	30-Jun-93
1993	-105	4-May	5208588	5208800	21-Jul-93
1993	-106	4-11-May	5208801	5209090	21-Jul-93
1993	-107	11-May	5209091	5209450	21-Jul-93
1993	-108	11-May	5209451	5209810	30-Jul-93
1993	-109	11-May	5209811	5210150	29-Jul-93
1993	-110	11-May	5210151	5210490	29-Jul-93
1993	-111	11-May	5210491	5210747	29-Jul-93
1993	-112	11-18-May	5210748	5211020	21-Jul-93
1993	-113	18-May	5211021	5211340	29-Jul-93
1993	-114	18-May	5211341	5211690	29-Jul-93
1993	-115	18-May	5211691	5212050	30-Jul-93
1993	-116	18-May	5212051	5212340	29-Jul-93
1993	-117	18-May	5212341	5212640	29-Jul-93
1993	-118	18-May	5212641	5212836	29-Jul-93
1993	-119	25-May	5212837	5213180	30-Jul-93
1993	-120	25-May	5213181	5213540	30-Jul-93
1993	-121	25-May	5213541	5213890	30-Jul-93
1993	-122	25-May	5213891	5214210	29-Jul-93
1993	-123	25-May	5214211	5214500	30-Jul-93
1993	-124	25-May	5214501	5214740	29-Jul-93
1993	-125	25-May-1-Jun	5214741	5215060	29-Jul-93
1993	-126	1-Jun	5215061	5215420	29-Jul-93
1993	-127	1-Jun	5215421	5215770	6-Aug-93
1993	-128	1-Jun	5215771	5216090	6-Aug-93

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1993	-129	1-Jun	5216091	5216338	9-Aug-93
1993	-130	1-Jun	5216339	5216600	6-Aug-93
1993	-131	1-Jun	5216601	5216756	23-Aug-93
1993	-132	8-Jun	5216757	5217060	6-Aug-93
1993	-133	8-Jun	5217061	5217420	6-Aug-93
1993	-134	8-Jun	5217421	5217760	6-Aug-93
1993	-135	8-Jun	5217761	5218000	6-Aug-93
1993	-136	8-Jun	5218001	5218250	6-Aug-93
1993	-137	8-Jun	5218251	5218520	6-Aug-93
1993	-138	8-Jun	5218521	5218717	6-Aug-93
1993	-139	15-Jun	5218718	5219080	6-Aug-93
1993	-140	15-Jun	5219081	5219420	6-Aug-93
1993	-141	15-Jun	5219421	5219740	23-Aug-93
1993	-142	15-Jun	5219741	5220050	23-Aug-93
1993	-143	15-Jun	5220051	5220367	9-Aug-93
1993	-144	15-Jun	5220368	5220533	9-Aug-93
1993	-145	15-22-Jun	5220534	5220760	9-Aug-93
1993	-146	22-Jun	5220761	5221120	9-Aug-93
1993	-147	22-Jun	5221121	5221460	9-Aug-93
1993	-148	22-Jun	5221461	5221770	9-Aug-93
1993	-149	22-Jun	5221771	5222029	9-Aug-93
1993	-150	22-Jun	5222030	5222200	23-Aug-93
1993	-151	22-29-Jun	5222201	5222500	23-Aug-93
1993	-152	29-Jun	5222501	5222840	23-Aug-93
1993	-153	29-Jun	5222841	5223140	23-Aug-93
1993	-154	29-Jun	5223141	5223420	23-Aug-93
1993	-155	29-Jun	5223421	5223680	23-Aug-93
1993	-156	29-Jun	5223681	5223930	23-Aug-93
1993	-157	29-Jun	5223931	5224176	23-Aug-93
1993	-158	29-Jun-6-Jul	5224177	5224510	23-Aug-93
1993	-159	6-Jul	5224511	5224830	23-Aug-93
1993	-160	6-Jul	5224831	5225170	23-Aug-93
1993	-161	6-Jul	5225171	5225470	23-Aug-93
1993	-162	6-Jul	5225471	5225750	23-Aug-93
1993	-163	6-Jul	5225751	5225980	23-Aug-93
1993	-164	6-Jul	5225981	5226178	23-Aug-93
1993	-165	13-Jul	5226179	5226530	14-Sep-93
1993	-166	13-Jul	5226531	5226930	14-Sep-93
1993	-167	13-Jul	5226931	5227280	1-Oct-93
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1993	-174	20-Jul	5228981	5229310	14-Sep-93
1993	-175	20-Jul	5229311	5229620	30-Aug-93
1993	-176	20-Jul	5229621	5229900	30-Aug-93
1993	-177	20-27-Jul	5229901	5230170	30-Aug-93
1993	-178	27-Jul	5230171	5230500	10-Sep-93
1993	-179	27-Jul	5230501	5230830	10-Sep-93
1993	-180	27-Jul	5230831	5231130	10-Sep-93
1993	-181	27-Jul	5231131	5231410	10-Sep-93
1993	-182	27-Jul	5231411	5231600	10-Sep-93

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1993	-185	3-Aug	5232261	5232610	14-Sep-93
1993	-186	3-Aug	5232611	5232940	14-Sep-93
1993	-187	3-Aug	5232941	5233270	14-Sep-93
1993	-188	3-Aug	5233271	5233520	14-Sep-93
1993	-189	3-Aug	5233521	5233702	14-Sep-93
1993	-190	10-Aug	5233703	5234050	14-Sep-93
1993	-191	10-Aug	5234051	5234390	24-Sep-93
1993	-192	10-Aug	5234391	5234730	24-Sep-93
1993	-193	10-Aug	5234731	5235012	24-Sep-93
1993	-194	10-Aug	5235013	5235330	24-Sep-93
1993	-195	10-Aug	5235331	5235570	24-Sep-93
1993	-196	10-17-Aug	5235571	5235790	24-Sep-93
1993	-197	17-Aug	5235791	5236030	4-Oct-93
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1993	-199	17-Aug	5236281	5236550	4-Oct-93
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1993	-201	17-Aug	5236891	5237210	4-Oct-93
1993	-202	17-Aug	5237211	5237460	4-Oct-93
1993	-203	17-Aug	5237461	5237660	4-Oct-93
1993	-204	17-24-Aug	5237661	5237970	4-Oct-93
1993	-205	24-Aug	5237971	5238330	4-Oct-93
1993	-206	24-Aug	5238331	5238680	4-Oct-93
1993	-207	24-Aug	5238681	5238950	4-Oct-93
1993	-208	24-Aug	5238951	5239260	4-Oct-93
1993	-209	24-31-Aug	5239261	5239520	4-Oct-93
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1993	-211	31-Aug	5239741	5240080	11-Oct-93
1993	-212	31-Aug	5240081	5240410	11-Oct-93
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1993	-219	7-Sep	5242181	5242510	13-Oct-93
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1993	-226	14-Sep	5244261	5244600	2-Nov-93
1993	-227	14-Sep	5244601	5244890	2-Nov-93
1993	-228	14-Sep	5244891	5245190	2-Nov-93
1993	-229	14-Sep	5245191	5245440	2-Nov-93
1993	-230	14-Sep	5245441	5245590	2-Nov-93
1993	-231	14-21 Sep	5245591	5245890	2-Nov-93
1993	-232	21-Sep	5245891	5246240	2-Nov-93
1993	-233	21-Sep	5246241	5246590	2-Nov-93
1993	-234	21-Sep	5246591	5246930	2-Nov-93
1993	-235	21-Sep	5246931	5247230	2-Nov-93
1993	-236	21-Sep	5247231	5247480	16-Nov-93

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1993	-238	28-Sep	5247706	5248040	16-Nov-93
1993	-239	28-Sep	5248041	5248410	16-Nov-93
1993	-240	28-Sep	5248411	5248750	16-Nov-93
1993	-241	28-Sep	5248751	5249040	16-Nov-93
1993	-242	28-Sep	5249041	5249270	16-Nov-93
1993	-243	28 Sept-5 Oct	5249271	5249550	16-Nov-93
1993	-244	5-Oct	5249551	5249910	16-Nov-93
1993	-245	5-Oct	5249911	5250240	16-Nov-93
1993	-246	5-Oct	5250241	5250490	16-Nov-93
1993	-247	5-Oct	5250491	5250744	16-Nov-93
1993	-248	5-Oct	5250745	5251020	17-Nov-93
1993	-249	5-Oct	5251021	5251230	17-Nov-93
1993	-250	5-12 Oct	5251231	5251480	17-Nov-93
1993	-251	12-Oct	5251481	5251810	17-Nov-93
1993	-252	12-Oct	5251811	5252170	17-Nov-93
1993	-253	12-Oct	5252171	5252490	29-Nov-93
1993	-254	12-Oct	5252491	5252770	17-Nov-93
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1993	-256	12-Oct	5253041	5253267	29-Nov-93
1993	-257	12-19 Oct	5253268	5253550	29-Nov-93
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1993	-259	19-Oct	5253891	5254230	29-Nov-93
1993	-260	19-Oct	5254231	5254560	29-Nov-93
1993	-261	19-Oct	5254561	5254890	29-Nov-93
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1993	-263	19-Oct	5255141	5255356	14-Dec-93
1993	-264	19-26 Oct	5255357	5255650	14-Dec-93
1993	-265	26-Oct	5255651	5256000	14-Dec-93
1993	-266	26-Oct	5256001	5256348	14-Dec-93
1993	-267	26-Oct	5256349	5256630	14-Dec-93
1993	-268	26-Oct	5256631	5256920	14-Dec-93
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1993	-271	26 Oct-2 Nov	5257401	5257688	14-Dec-93
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1993	-273	2-Nov	5258021	5258304	14-Dec-93
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1993	-275	2-Nov	5258572	5258830	7-Jan-94
1993	-276	2-Nov	5258831	5259050	7-Jan-94
1993	-277	2-9 Nov	5259051	5259380	7-Jan-94
1993	-278	9-Nov	5259381	5259720	7-Jan-94
1993	-279	9-Nov	5259721	5260050	7-Jan-94
1993	-280	9-Nov	5260051	5260290	7-Jan-94
1993	-281	9-Nov	5260291	5260590	7-Jan-94
1993	-282	9-Nov	5260591	5260835	7-Jan-94
1993	-283	9-Nov	5260836	5261065	7-Jan-94
1993	-284	9-16 Nov	5261066	5261370	7-Jan-94
1993	-285	16-Nov	5261371	5261730	7-Jan-94
1993	-286	16-Nov	5261731	5262080	7-Jan-94
1993	-287	16-Nov	5262081	5262370	7-Jan-94
1993	-288	16-Nov	5262371	5262650	7-Jan-94
1993	-289	16-Nov	5262651	5262917	7-Jan-94
1993	-290	16-Nov	5262918	5263130	7-Jan-94

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1993	-293	23-Nov	5263761	5264117	7-Jan-94
1993	-294	23-Nov	5264118	5264428	7-Jan-94
1993	-295	23-Nov	5264429	5264710	7-Jan-94
1993	-296	23-Nov	5264711	5264955	11-Jan-94
1993	-297	23-Nov	5264956	5265190	11-Jan-94
1993	-298	23-30 Nov	5265191	5265470	11-Jan-94
1993	-299	30-Nov	5265471	5265800	11-Jan-94
1993	-300	30-Nov	5265801	5266150	11-Jan-94
1993	-301	30-Nov	5266151	5266490	11-Jan-94
1993	-302	30-Nov	5266491	5266780	11-Jan-94
1993	-303	30-Nov	5266781	5267015	18-Jan-94
1993	-304	30-Nov	5267016	5267240	18-Jan-94
1993	-305	30-Nov	5267241	5267500	18-Jan-94
1993	-306	7-Dec	5267501	5267860	18-Jan-94
1993	-307	7-Dec	5267861	5268200	18-Jan-94
1993	-308	7-Dec	5268201	5268480	18-Jan-94
1993	-309	7-Dec	5268481	5268757	18-Jan-94
1993	-310	7-Dec	5268758	5269000	18-Jan-94
1993	-311	7-14 Dec	5269001	5269300	21-Jan-94
1993	-312	14-Dec	5269301	5269640	21-Jan-94
1993	-313	14-Dec	5269641	5269970	31-Jan-94
1993	-314	14-Dec	5269971	5270230	21-Jan-94
1993	-315	14-Dec	5270231	5270510	31-Jan-94
1993	-316	14-Dec	5270511	5270770	21-Feb-94
1993	-317	14-Dec	5270771	5270980	31-Jan-83
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1993	-320	21-Dec	5271621	5271990	3-Feb-94
1993	-321	21-Dec	5258021	5272230	3-Feb-94
1993	-322	21-Dec	5272231	5272499	3-Feb-94
1993	-323	21-Dec	5272500	5272769	3-Feb-94
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1993	-326	28-Dec	5273431	5273770	11-Feb-94
1993	-327	28-Dec	5273771	5274010	11-Feb-94
1993	-328	28-Dec	5274011	5274300	11-Feb-94
1994	-329	28-Dec	5274301	5274572	11-Feb-94
1994	-330	28-Dec	5274573	5274845	11-Feb-94