

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Imperial Chemical Industries PLC	11/02/1993
RECEIVING PARTY DATA	
Name:	Zeneca Limited
Street Address:	Imperial Chemical House
Internal Address:	9 Millbank
City:	London
State/Country:	UNITED KINGDOM
Postal Code:	SW1P 3JF
PROPERTY NUMBERS Total: 3	
Property Type	Number
Patent Number:	5387513
Patent Number:	5502273
Patent Number:	6175061
CORRESPONDENCE DATA	
Fax Number:	(404)879-2160
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Email:	Ronna@pabstpatent.com
Correspondent Name:	Patrea L. Pabst, Esq.
Address Line 1:	400 Colony Square, Suite 1200
Address Line 2:	Pabst Patent Group LLP
Address Line 4:	Atlanta, GEORGIA 30361
ATTORNEY DOCKET NUMBER:	MOBT176 CON2, CON3,101DI
NAME OF SUBMITTER:	Rivka D. Monheit

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PATENT
REEL: 018515 FRAME: 0493

Total Attachments: 21

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USASSIGN02
USA

A S S I G N M E N T

WHEREAS, IMPERIAL CHEMICAL INDUSTRIES PLC of Imperial Chemical House, Millbank, London SW1P 3JF, a company created and existing under the laws of England and Wales, has acquired the entire right, title and interest, by assignment, in and to the following Letters Patent of the United States of America and applications for Letters Patent of the United States of America listed in the attached schedule

AND WHEREAS, ZENECA LIMITED of Imperial Chemical House, 9 Millbank, London SW1P 3JF, a company created and existing under the laws of England and Wales, is desirous of acquiring the entire right, title and interest in and to the above listed United States Letters Patent and applications for United States Letters Patent and the inventions covered thereby;

REEL 018515 FRAME 0495

NOW, THEREFORE, for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, the said IMPERIAL CHEMICAL INDUSTRIES PLC has assigned, sold and transferred, and by these presents does assign, sell and transfer unto the said ZENECA LIMITED the entire right, title and interest in and to the said inventions, in the United States and its territorial possessions and the entire right, title and interest in and to said listed Letters Patent and applications for Letters Patent, and in and to any and all Letters Patent which may be granted on said applications in the United States and its territorial possessions and in and to any and all divisions, reissues, continuations and extensions thereof, the same to be held and enjoyed by the said ZENECA LIMITED, its successors, assigns and legal representatives, to the full end of the term for the said listed Letters Patent and any and all Letters Patent which may be granted on said applications as fully and entirely as the same would have been held and enjoyed by IMPERIAL CHEMICAL INDUSTRIES PLC if this assignment had not been made.

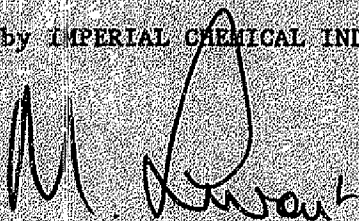
IMPERIAL CHEMICAL INDUSTRIES PLC hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all of the Letters Patent on said applications, when granted, to said ZENECA LIMITED as the assignee of IMPERIAL CHEMICAL INDUSTRIES PLC's entire right, title and interest in and to the same, for the sole use and enjoyment of said ZENECA LIMITED, its successors and assigns.

Further, IMPERIAL CHEMICAL INDUSTRIES PLC agrees that it will communicate to said ZENECA LIMITED or its representatives, any facts known to it or the inventors in the listed Letters Patent and applications for Letters Patent respecting said inventions, and have the inventors sign all lawful papers, execute all divisions, continuations, substitution, renewal and reissue applications, and execute all necessary assignment papers to cause said applications to be issued as Letters Patent to said ZENECA LIMITED, its successors and assigns, in order for ZENECA LIMITED to obtain and enforce proper protection for said inventions in the United States and its territorial possessions.

IN WITNESS WHEREOF, IMPERIAL CHEMICAL INDUSTRIES PLC has executed this Assignment this 2nd day of November 1993.

Signed by IMPERIAL CHEMICAL INDUSTRIES PLC

By



Michael Frederick Sevant
authorised signatory

No legalisation

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ASSIGNMENTS - AGROCHEMICALS

PAGE 1

LETTERS PATENTS

PATENT NUMBER	SEALED/GRADED DATE	PATENT ID
4046552	06/09/77	28720
4075005	21/02/78	28482
4111167	26/09/78	28840
4160017	03/07/79	28720
4183948	15/01/80	28295
4205134	24/06/80	30438
4213705	06/01/81	23512
4275846	30/06/81	30438
4275418	30/06/81	30649
4284582	18/08/81	30172
4285723	25/08/81	25997
4288600	08/09/81	30540
4306077	15/12/81	30486
4306685	22/12/81	30438
4317913	02/03/82	29736
4324627	13/04/82	29736
4330675	18/05/82	29295
4336528	26/10/82	28920
4370346	25/01/83	31107
4376514	15/03/83	30438
4378316	29/03/83	29295
4380044	12/04/83	309912
4381533	26/04/83	28920
4384135	17/05/83	31165
4388472	14/06/83	30896
4393214	12/07/83	30540
4398671	16/08/83	31106
4405640	20/09/83	31107
4416682	22/11/83	31351 R
4421281	20/12/83	31567
4429153	31/01/84	31107
4432787	21/02/84	322292
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4620011	28/10/86	28384

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ASSIGNMENTS - AGRICULTURAL

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PATENT NUMBER	SEALED/GRADED DATE	PATENT ID
4623654	18/11/86	30692
4652332	31/03/87	30692
4670464	02/06/87	31131
4681969	21/07/87	33233
4690941	01/09/87	28384
4778914	18/10/88	30896
4783431	08/11/88	32966
4788297	29/11/88	33239
4812572	14/03/89	33995
4838451	13/06/89	32420
4840664	20/06/89	30699
4845002	11/07/89	33844
4868219	19/09/89	31107
4880457	14/11/89	30692
4907749	13/03/90	32420
4912131	27/03/90	28384
4925947	15/05/90	29736
4927839	22/05/90	30692
4970330	13/11/90	29295
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5021581	04/06/91	34200
5055471	08/10/91	35014
5057146	15/10/91	33337
5145836	08/09/92	35138
5157144	20/10/92	33905
5204363	20/04/93	31734

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ASSIGNMENTS - PHARMACEUTICALS

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PATENT NUMBER	SEALED/GRADED DATE	PATENT ID
4056635	01/11/77	26894
4070363	24/01/78	27213
4071424	31/01/78	24397
4089762	16/05/78	27018
4089763	16/05/78	26061
4100274	11/07/78	26772
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4165377	21/08/79	29489
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4177263	04/12/79	28971
4218434	19/08/80	29629
4234735	18/11/80	29489
4251528	17/02/81	29974
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4370343	25/01/83	29548
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4416682	22/11/83	31351 R
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4522840	11/06/85	32341
4523019	11/06/85	31351 R
4536516	20/09/85	16331
4602075	22/01/86	32208
4636508	13/01/87	32393
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4661367	28/04/87	32340
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4925863	15/05/90	33226
4927836	22/05/90	33972
4935437	19/06/90	34355
4940168	10/07/90	33932
4940788	10/07/90	34195

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PATENT NUMBER	SEALED/GRANTED DATE	PATENT ID
5962209	09/10/93	33724
5977148	11/12/93	33972
4992550	12/02/91	33811
5004602	02/04/91	31697
5023107	11/05/91	34738
5030643	09/07/91	33444
5032592	16/07/91	33032
5038710	13/08/91	32502
5049679	17/09/91	33651
5053413	01/10/91	34967
5055450	08/10/91	33342
5057511	15/10/91	34137
5081124	14/01/92	33811
5120766	09/06/92	35514
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5164382	17/11/92	35237
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5223506	29/06/93	35245
5236919	17/08/93	35161

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ASSIGNMENT SEEDS

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4590162	20/05/86	32192
4783556	15/11/86	32192
5003067	26/03/91	34905
5073576	17/12/91	34100
5189163	23/02/93	35405

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ASSIGNMENTS - SPECIALTIES

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PATENT NUMBER	SEALED/GRANTED DATE	PATENT ID
667,439	16/ 3/76	27736
Re. 33307	21/08/90	33926 A
3992381	16/11/76	24751
3996221	07/12/76	26764
4012378	15/03/77	24751
4029485	14/06/77	27396
4030551	21/06/77	27396 A
4048017	13/09/77	27215
4057436	08/11/77	27274
4060383	29/11/77	23890
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4075200	21/02/78	23890
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4085116	18/04/78	28420
4108867	22/08/78	24696 E
4115424	19/09/78	28611
4120557	24/10/78	28611
4142952	06/03/79	28521
4188376	12/02/80	29810
4211696	08/07/80	24696
4224212	23/08/80	29579
4231888	04/11/80	28521
4253949	03/03/81	27726
4270917	02/06/81	30462
4295887	20/10/81	27736
4300902	17/11/81	30843 R
4306026	15/12/81	28671
4333377	08/06/82	30892
4336331	22/06/82	28521
4338197	06/07/82	31246
4341679	27/07/82	29241
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4477654	16/10/84	31576 R
4477655	16/10/84	32249
4493876	15/01/85	32703
4508822	02/04/85	27036
4512773	23/04/85	32319

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ASSIGNMENTS - SPECIALTIES

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4518435	21/05/85	29367
4525330	25/06/85	31682
4532159	29/07/85	31158
4537738	27/08/85	32433
4542213	17/09/85	32702
4552245	31/12/85	32691
4576515	18/03/86	32785
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4613384	23/09/86	33265
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4658040	14/04/87	25125
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4675172	23/06/87	33318
4680417	14/07/87	33301
4683310	28/07/87	31682
4696801	29/09/87	33386
4700010	13/10/87	33202
4702743	27/10/87	33483
4703113	27/10/87	33213
4704325	03/11/87	33310 A
4705528	19/11/87	33218
4713118	15/12/87	31420
4725284	16/02/88	33575
4725320	16/02/88	33542
4730021	08/03/88	33852
4739054	19/04/88	33318
4740638	26/04/88	33926 A
4742173	03/05/88	32825
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4798742	10/01/89	33251
4801644	17/01/89	33809
	31/01/89	33643

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ASSIGNMENTS SPECIALTIES

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4536590	21/02/89	33883
4806694	21/02/89	34026
4808568	26/02/89	33885
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4824437	25/04/89	33570
4824947	25/04/89	34237
4824948	25/04/89	34238
4829048	09/05/89	34489
4829114	09/05/89	34096
4835104	30/05/89	34054
4835651	22/06/89	34421
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4877740	31/10/89	33926
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4923686	08/05/90	31682
4925797	15/05/90	34138
4929550	29/05/90	34173
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4937359	26/06/90	34054
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4960434	02/10/90	34413
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4971735	11/12/90	34843
4978788	18/12/90	33485
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PATENT NUMBER	SEALED/GRA NTED DATE	PATENT ID
5053495	01/10/91	34892
5055566	08/10/91	35341
5059681	22/10/91	33998
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5064723	12/11/91	34269
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5105003	14/04/92	35095
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5120859	09/06/92	35357
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5137961	11/08/92	34452
5149790	22/09/92	35042
5160171	03/11/92	34606
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5169895	08/12/92	35314
5169991	08/12/92	35184
5171848	15/12/92	35343
5171852	15/12/92	34176
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5175261	29/12/92	35880
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5189181	23/02/93	36118
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5196592	23/03/93	35856

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ASSIGNMENTS - SPECIALTIES

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5197992	30/03/93	33998
5198362	30/03/93	34556
5203912	20/04/93	34852
5212301	18/05/93	36341
5212319	18/05/93	34930
5213777	25/05/93	34258
5214141	25/05/93	35110
5219481	15/06/93	36304
5219750	15/06/93	33774
5220040	15/06/93	36102
5224980	06/07/93	35947

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ASSIGNMENTS - ADDITIONAL

10/10/93

APPLICATION NUMBER APPLICATION DATE PATENT ID

436/52/07 15/11/89 35014 (now U.S. Patent 5,055,671)

883087/07 15/05/92 35378

101127/08 02/08/93 37105
 126941 03/03/80 306832
 17143 02/03/79 30070
 21220 03/03/87 32286
 347028 08/02/82 30070
 372166 28/04/82 30896
 394707 15/08/80 34876
 431099 30/09/82 29735
 496817 23/05/83 321802
 546985 03/02/75 26803
 559244 08/12/83 32550
 590149 02/04/84 31734
 677412 29/03/91 33269
 704216 22/02/85 31734
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 720563 25/06/91 35823
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 767340 10/02/77 26803
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ASSIGNMENTS - PHARMACEUTICALS

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APPLICATION NUMBER APPLICATION DATE PATENT ID

129056/08	02/02/93	36750 - Filed April 10, 1993
108424/08	16/08/93	37133
116941/08	03/09/93	36076
13391	03/02/93	34373
14564/08	08/02/93	36756
24256	01/03/93	35754
28473	20/03/87	33812
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64979	24/05/93	35161
65771/08	24/05/93	36986
692995	29/04/91	35721
705265	28/05/91	35763
717696	20/03/85	31351 R
734225	22/07/91	35838
735492	25/07/91	33651
736952	30/07/91	35353
738437	31/07/91	35862
740420/07	05/08/91	34137
741940/07	23/08/91	36138
748761/07	22/08/91	35907
751584	14/06/93	31697
76598/08	14/06/93	36187
77212/08	08/05/87	36181
774865	04/11/81	31119
787143	25/01/93	36013
7930/08	05/12/91	36739
802614	04/12/91	36081
803291	04/12/91	36062
803315		36064

REEL 018515 FRAME 0509

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APPLICATION NUMBER	APPLICATION DATE	PATENT ID
805421	11/12/91	36076
805426	11/12/91	36080
822395	17/01/92	36140
820562	31/01/92	36171
830562	12/02/92	36442
834038/07	11/02/92	36137
879117	04/05/92	35417
883112	27/05/92	34085
880186	28/05/92	35366
885196	28/05/92	36307
890453	29/05/92	36374
897496	12/06/92	36402
898831	15/06/92	36403
900040	17/06/92	36420
903691/07	24/06/92	36423
903269	02/07/92	36441
919845	16/10/86	33691
924686	03/08/92	35747
926371/07	10/08/92	35306
927762	10/08/92	35536
930568/07	14/08/92	36433
935107	26/08/92	36520
935338	27/08/92	35130
940138	03/09/92	36536
940932	04/09/92	33942
941001	04/09/92	33942
943087	06/09/92	34737
973138	06/11/92	35746
979096	20/11/92	35659
981718	25/11/92	33444

REEL 6965 FRAME 0514

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APPLICATION NUMBER	APPLICATION DATE	PATENT ID
078175/08	19/12/91	36096
078176/08	19/12/91	36098 A
117180/08	10/03/92	36243
117125/08	12/03/92	36253
119614	12/11/87	34100
2480	04/01/93	30525
24866/08	26/02/93	34100
2832	14/01/93	36384
41337	01/04/93	34757
413915	26/03/89	34100
43520	13/11/89	34995
470838	26/01/90	35106
470854	26/01/90	35110
470855	21/03/93	35108
49809/08	17/05/90	34100
524314	25/02/90	35277
528976	17/10/90	35297
597665	19/10/90	36465
598373	17/05/93	35469
61801/08	05/12/90	362172
621714	23/04/91	35530
689341	17/07/91	35715
731310	22/07/91	35111
733966	12/07/90	34099
793460	22/01/92	33352
824863	17/10/90	35710
847037	10/12/90	35469
859523	13/04/92	35546
867660	24/04/92	36296
873429	24/04/92	36314
813895	27/04/92	36108
874166	18/08/92	36321
929494	18/08/92	35111
940935/07	22/09/92	34985
948280	04/11/92	35397
971176	16/12/92	35277
994086	28/12/92	35107
995950		35546

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APPLICATION NUMBER	APPLICATION DATE	PATENT ID
978673/07	27/08/91	35909
098315/08	03/02/92	36183
103135/06	09/05/93	35545
123352	21/02/90	30652
133295	14/12/87	34139
203623	03/11/80	31056
21669/08	24/02/93	34258
221895	20/07/88	34767
22196/08	25/02/93	36410
235434	23/05/88	34442
239372	02/03/91	31210
244405/07	14/03/88	34459
258571	29/04/81	31056
284583	15/12/88	350642
294892	03/01/89	33504
301785	25/01/89	34635
31712	15/03/93	35547
328156	24/05/88	34770
340782	20/04/89	33542
340935	20/04/89	35186
354538	19/05/89	34767
369613	21/06/89	34820
424998/07	23/10/89	34973
498782	27/05/83	32326
50126	27/08/91	35909
507177	12/04/90	35203
507842	12/04/90	35218
510258	19/04/90	35238
51820	26/04/93	35695
541213	22/06/90	34276
5422	19/01/93	35717
543947	26/06/90	35332
549292	05/07/90	33610
607700	07/05/84	32738
610105	07/11/90	35520
614896	16/11/90	34635
624102/07	10/12/90	35544
63330/08	19/05/93	35023
659468	25/02/91	34578
664940	25/10/84	31210
670386	15/03/91	34073
680892	05/04/91	35694
683335	10/04/91	32835
689623	23/04/91	35717
691681	26/04/91	34890
693016/07	29/04/91	33619
702251/07	17/05/91	36347

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ASSIGNMENTS - SPECIALTIES

APPLICATION NUMBER	APPLICATION DATE	PATENT ID
70676	06/07/87	33049
719861	04/04/85	32326
723323	28/06/91	35844
723324	28/06/91	35845
723325	28/06/91	35846
723326	28/06/91	35847
731049	16/07/91	35885
735107	01/08/91	36716
746708	05/01/93	35946
746443/07	24/09/91	35945
771563	04/10/91	35965
773386	07/10/91	35342
773997	09/10/91	34578
777719	21/10/91	36011
780470	22/10/91	35998
786761	01/11/91	36010
788021	02/11/91	36037
789758/07	08/11/91	36039
791903	10/07/91	33779
802615	05/12/91	36082
805404	10/12/91	36083
805408	10/12/91	36088
8081	22/01/93	38448
809341	18/12/91	36101
815881	07/01/92	35635
816677	03/01/92	36117
822909	21/01/92	36152
837046	29/01/92	36163
837169	10/02/92	35035
838662	14/02/92	36204
837284	14/02/92	36203
837452	21/02/92	36237
838414	28/02/92	36333
843405	24/02/92	35357
846298	09/03/92	36241Z
847170	02/07/93	34459
851427/08	18/03/92	35262
853298	31/03/92	35042
861393/07	26/01/91	35568
862764	14/04/92	36303
868098	17/04/92	36302
870280	17/04/92	35263
870480	21/04/92	36355
871473	07/05/92	36353
879275/07	05/06/92	36382
892818	15/06/92	36405
898600	22/06/92	34459
900787/07	29/06/92	36430
905820/07	06/07/92	36448
908393	10/07/92	35184
912414		

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APPLICATION NUMBER	APPLICATION DATE	PATENT ID
927919	12/05/92	36505
930560/07	28/03/91	35684
932296	19/08/92	36519
941114	09/07/91	35831
941505	12/12/86	32326
944635	14/09/92	34873
946193	17/09/92	36552
946194	17/09/92	36553
947791	21/09/92	36571
949224/07	24/05/91	35759
952407	30/09/92	36589Z
952721	21/05/91	35744
955021/07	01/10/92	36591
955878	07/06/91	35780
957029/07	06/10/92	33485
958057	08/10/92	36604
958058	08/10/92	36606
962510/07	15/10/92	34973
964871	22/10/92	36624
970189/07	02/11/92	36118
970449/07	02/11/92	35309
971809	05/11/92	35434
973666/07	09/11/92	36650
973992	10/11/92	36638
976395	13/11/92	33949
978456	25/01/93	35384
983170/07	30/11/92	36884
984138	01/12/92	36786
985936	04/12/92	36679
986066/07	04/12/92	36681
995744/07	22/12/92	36705Z

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