

INPADOC Legal Status

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Legend of status/colors: *n=new* *m=modified* *d=deleted* old

[Link to new legal data >>](#)

Legal Status for Patent Number **US 5000000** (Request date: 2012/01/03)

Publication No.	Publication date	Filing No./Filing Date	Priority	Links
<u>AR 242634A1</u>	1993-04-30	AR 31479889A/1989-08-30	US 23909988A 1988-08-31 US 35206289A 1989-05-15	
<u>AT 177784T</u>	1999-04-15	AT 92901454T/1991-12-04	US 62422790A 1990-12-07	
<u>AT 199389T</u>	2001-03-15	AT 92910933T/1992-03-18	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06	
<u>AU 9098891A</u>	1992-07-08	AU 9098891A/1991-12-04	US 9108835W 1991-12-04 US 62422790A 1990-12-07	
<u>AU 1779492A</u>	1992-10-21	AU 1779492D/1992-03-18	US 67082191A 1991-03-18 US 84634492A 1992-03-06	
<u>AU 5159893A</u>	1994-04-12	AU 5159893D/1993-09-17	US 2605193A 1993-03-05 US 9308558W 1993-09-17 US 94629092A 1992-09-17	
<u>AU 2203495A</u>	1995-10-23	AU 2203495D/1995-03-30	US 9504012W 1995-03-30 US 22007294A 1994-03-30	
<u>AU 668677B2</u>	1996-05-16	AU 9098891A/1991-12-04	US 9108835W 1991-12-04 US 62422790A 1990-12-07	
<u>AU 672748B2</u>	1996-10-17	AU 1779492A/1992-03-18	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06	
<u>AU 6194696A</u>	1996-10-31	AU 6194696A/1996-08-08	US 62422790A 1990-12-07	
<u>AU 7176396A</u>	1997-02-06	AU 7176396D/1996-11-13	US 67082191A 1991-03-18 US 84634492A 1992-03-06	
<u>AU 1017697A</u>	1997-03-27	AU 1017697D/1997-01-15	US 67082191A 1991-03-18 US 84634492A 1992-03-06	

<u>AU 694674B2</u>	1998-07-23	AU 6194696A/1996-08-08	US 62422790A 1990-12-07
<u>AU 1858699A</u>	1999-09-09	AU 1858699D/1999-03-05	AU 6194696A 1996-08-08 US 62422790A 1990-12-07
<u>AU 4744199A</u>	1999-11-04	AU 4744199D/1999-09-08	AU 1017697A 1997-01-15 AU 4744199A 1999-09-08 US 67082191A 1991-03-18 US 84634492A 1992-03-06
<u>BR 9107210A</u>	1994-02-08	BR 9107210A/1991-12-04	US 9108835W 1991-12-04 US 62422790A 1990-12-07
<u>BR 9205782A</u>	1994-07-26	BR 9205782A/1992-03-18	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06
<u>CA 2097803A1</u>	1992-06-08	CA 2097803A/1991-12-04	US 9108835W 1991-12-04 US 62422790A 1990-12-07
<u>CA 2106377A1</u>	1992-09-19	CA 2106377A/1992-03-18	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06
<u>CA 1335430C</u>	1995-05-02	CA 609829A/1989-08-30	US 23909988A 1988-08-31 US 35206289A 1989-05-15
<u>CA 2106377C</u>	2003-11-04	CA 2106377A/1992-03-18	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06
<u>CA 2097803C</u>	2010-08-03	CA 2097803A/1991-12-04	US 9108835W 1991-12-04 US 62422790A 1990-12-07
<u>CN 1070424A</u>	1993-03-31	CN 92101877A/1992-03-18	US 67082191A 1991-03-18
<u>CN 1091774A</u>	1994-09-07	CN 93114096A/1993-09-17	US 2605193A 1993-03-05 US 94629092A 1992-09-17
<u>CN 1065915C</u>	2001-05-16	CN 92101877A/1992-03-18	US 67082191A 1991-03-18
<u>CN 1068629C</u>	2001-07-18	CN 93114096A/1993-09-17	US 2605193A 1993-03-05 US 94629092A 1992-09-17
<u>CN 1342773A</u>	2002-04-03	CN 00131779A/2000-10-20	US 67082191A 1991-03-18

<u>CN 100359017C</u>	2008-01-02	CN 13100779A/1992-03-18	US 67082191A 1991-03-18	
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<u>DE 69131015T2</u>	1999-11-18	DE 69131015T/1991-12-04	US 9108835W 1991-12-04 US 62422790A 1990-12-07	DPMA Register
<u>DE 69231706D1</u>	2001-04-05	DE 69231706A	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06	DPMA Register
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<u>DK 0560885T3</u>	1999-10-11	DK 92901454T/1991-12-04	US 9108835W 1991-12-04 US 62422790A 1990-12-07	
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<u>EP 0576621A1</u>	1994-01-05	EP 92910933A/1992-03-18	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06	EPOLine Register
<u>EP 0560885A4</u>	1994-06-08	EP 92901454A/1991-12-04	US 9108835W 1991-12-04 US 62422790A 1990-12-07	EPOLine Register
<u>EP 0576621A4</u>	1994-11-02	EP 92910933A/1992-03-18	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06	EPOLine Register
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<u>FI 932559D0</u>	1993-06-04	FI 932559A	US 9108835W 1991-12-04 US 62422790A 1990-12-07
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<u>FI 934087D0</u>	1993-09-17	FI 934087A	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06
<u>FI 934087A</u>	1993-11-02	FI 934087A/1993-09-17	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06
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<u>GR 3030570T3</u>	1999-10-29	GR 99401653T/1999-06-17	US 9108835W 1991-12-04 US 62422790A 1990-12-07
<u>HU T60328A</u>	1992-08-28	HU 577189A/1989-08-29	US 23909988A 1988-08-31 US 35206289A 1989-05-15
<u>JP H05502366A</u>	1993-04-28	JP 50928789A/1989-08-29	US 23909988A 1988-08-31 US 35206289A 1989-05-15
<u>JP H06504436A</u>	1994-05-26	JP 50156591T/1991-12-04	US 9108835W 1991-12-04 US 62422790A 1990-12-07
<u>JP H06505875A</u>	1994-07-07	JP 50994192T/1992-03-18	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06
<u>JP 3457664B2</u>	2003-10-20	JP 50994192T/1992-03-18	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06

<u>JP 2004283176A</u>	2004-10-14	JP 2004147724A/2004-05-18	US 62422790A 1990-12-07
<u>JP 3593125B2</u>	2004-11-24	JP 50156592T/1991-12-04	US 9108835W 1991-12-04 US 62422790A 1990-12-07
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<u>NO 315567B1</u>	2003-09-22	NO 933178A/1993-09-07	US 9201807W 1992-03-18 US 67082191A 1991-03-18 US 84634492A 1992-03-06
<u>NZ 241970A</u>	1994-10-26	NZ 24197092A/1992-03-16	US 67082191A 1991-03-18 US 84634492A 1992-03-06
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<u>US 5028539A</u>	1991-07-02	US 27407588A/1988-11-21	US 23909988A 1988-08-31 US 27407588A 1988-11-21
<u>US 5424202A</u>	1995-06-13	US 84634492A/1992-03-06	US 23909988A 1988-08-31 US 35206289A 1989-05-15 US 62427790A 1990-12-07 US 67082191A 1991-03-18 US 84634492A 1992-03-06
<u>US 5482846A</u>	1996-01-09	US 22007294A/1994-03-30	US 2605193A 1993-03-05 US 22007294A 1994-03-30 US 23909988A 1988-08-31 US 35206289A 1989-05-15 US 62422790A 1990-12-07 US 67082191A 1991-03-18 US 84634492A 1992-03-06 US 94629092A 1992-09-17
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<u>US 5554520A</u>	1996-09-10	US 2605193A/1993-03-05	US 2605193A 1993-03-05 US 23909988A 1988-08-31 US 35206789A 1989-05-15 US 62427790A 1990-12-07 US 67082191A 1991-03-18 US 84634492A 1992-03-06 US 94629092A 1992-09-17
<u>US 5821093A</u>	1998-10-13	US 36386894A/1994-12-27	US 1365893A 1993-02-04 US 23909988A 1988-08-31 US 35206289A 1989-05-15 US 36386894A 1994-12-27 US 62422790A 1990-12-07
<u>US 5916787A</u>	1999-06-29	US 47592595A/1995-06-07	US 2605193A 1993-03-05 US 22007294A 1994-03-30 US 23909988A 1988-08-31 US 35206289A 1989-05-15 US 47592595A 1995-06-07 US 62422790A 1990-12-07 US 67082191A 1991-03-18 US 84634492A 1992-03-06 US 94629092A 1992-09-17
<u>US 6107093A</u>	2000-08-22	US 13440398A/1998-08-14	US 1365893A 1993-02-04 US 13440398A 1998-08-14 US 23909988A 1988-08-31 US 35206289A 1989-05-15 US 36386894A 1994-12-27 US 62422790A 1990-12-07

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<u>US 2003008363A1</u>	2003-01-09	US 121801A/2001-11-30	US 121801A 2001-11-30 US 2605193A 1993-03-05 US 22007294A 1994-03-30 US 23909988A 1988-08-31 US 29046399A 1999-04-12 US 35206289A 1989-05-15 US 47592595A 1995-06-07 US 62422790A 1990-12-07 US 67082191A 1991-03-18 US 84634492A 1992-03-06 US 94629092A 1992-09-17
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<u>US 7192772B1</u>	2007-03-20	US 62006000A/2000-07-21	US 1365893A 1993-02-04 US 13440398A 1998-08-14 US 23909988A 1988-08-31 US 35206289A 1989-05-15 US 36386894A 1994-12-27 US 62006000A 2000-07-21 US 62422790A 1990-12-07 US 94629092A 1992-09-17
<u>US 2007172937A1</u>	2007-07-26	US 72572807A/2007-03-20	US 1365893A 1993-02-04 US 13440398A 1998-08-14 US 23909988A 1988-08-31 US 35206289A 1989-05-15 US 36386894A 1994-12-27 US 62006000A 2000-07-21 US 62422790A 1990-12-07 US 72572807A 2007-03-20 US 94629092A 1992-09-17
<u>WO 9002193A1</u>	1990-03-08	US 8903753W/1989-08-29	US 23909988A 1988-08-31 US 35206289A 1989-05-15
<u>WO 9210561A1</u>	1992-06-25	US 9108835W/1991-12-04	US 62422790A 1990-12-07
<u>WO 9216615A1</u>	1992-10-01	US 9201807W/1992-03-18	US 67082191A 1991-03-18 US 84634492A 1992-03-06
<u>WO 9406924A1</u>	1994-03-31	US 9308558W/1993-09-17	US 2605193A 1993-03-05 US 94629092A 1992-09-17
<u>WO 9527064A1</u>	1995-10-12	US 9504012W/1995-03-30	US 22007294A 1994-03-30

AR 242634A1 - 1993-04-30

Priority Data

US 35206289A 1989-05-15

US 23909988A 1988-08-31

For this number no legal information is available.

AT 177784T - 1999-04-15

Priority Data

US 62422790A 1990-12-07

Status Date	Code	Description
2003-09-15	ATREN	-CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE

AT 199389T - 2001-03-15

Priority Data
US 9201807W 1992-03-18
US 84634492A 1992-03-06
US 67082191A 1991-03-18

Status Date	Code	Description
2001-08-15	ATRER	-CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES

AU 9098891A - 1992-07-08

Priority Data
US 9108835W 1991-12-04
US 62422790A 1990-12-07

For this number no legal information is available.

AU 1779492A - 1992-10-21

Priority Data
US 84634492A 1992-03-06
US 67082191A 1991-03-18

For this number no legal information is available.

AU 5159893A - 1994-04-12

Priority Data
US 9308558W 1993-09-17
US 2605193A 1993-03-05
US 94629092A 1992-09-17

For this number no legal information is available.

AU 2203495A - 1995-10-23

Priority Data
US 9504012W 1995-03-30
US 22007294A 1994-03-30

For this number no legal information is available.

AU 668677B2 - 1996-05-16

Priority Data
US 9108835W 1991-12-04
US 62422790A 1990-12-07

For this number no legal information is available.

AU 672748B2 - 1996-10-17

Priority Data
US 9201807W 1992-03-18
US 84634492A 1992-03-06
US 67082191A 1991-03-18

Status Date	Code	Description
2000-02-17	AUDA2	APPLICATIONS FOR AMENDMENT SECTION 104
2001-02-15	AUDA3	AMENDMENTS MADE SECTION 104 Free Format Text THE NATURE OF THE AMENDMENT IS AS WAS NOTIFIED IN THE OFFICIAL JOURNAL DATED 20000217

AU 6194696A - 1996-10-31

Priority Data
US 62422790A 1990-12-07

For this number no legal information is available.

AU 7176396A - 1997-02-06

Priority Data

US 84634492A 1992-03-06

US 67082191A 1991-03-18

For this number no legal information is available.

AU 1017697A - 1997-03-27

Priority Data

US 84634492A 1992-03-06

US 67082191A 1991-03-18

For this number no legal information is available.

AU 694674B2 - 1998-07-23

Priority Data

US 62422790A 1990-12-07

For this number no legal information is available.

AU 1858699A - 1999-09-09

Priority Data

AU 6194696A 1996-08-08

US 62422790A 1990-12-07

Status Date Code Description

2002-05-23 AUMK5 -APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED

AU 4744199A - 1999-11-04

Priority Data

AU 4744199A 1999-09-08

AU 1017697A 1997-01-15

US 84634492A 1992-03-06

US 67082191A 1991-03-18

Status Date Code Description

2002-10-31 AUMK4 -APPLICATION LAPSED SECTION 142(2)(D) - NO CONTINUATION FEE PAID FOR THE APPLICATION

BR 9107210A - 1994-02-08

Priority Data

US 9108835W 1991-12-04

US 62422790A 1990-12-07

Status Date Code Description

2002-02-05 BRFB36-TECHNICAL AND FORMAL REQUIREMENTS: REQUIREMENT - ARTICLE 36 OF INDUSTRIAL PROPERTY LAW

2002-07-16 BRFF + DECISION: GRANTING

2002-12-10 BRFG9A+ PATENT OR CERTIFICATE OF ADDITION GRANTED

BR 9205782A - 1994-07-26

Priority Data

US 9201807W 1992-03-18

US 84634492A 1992-03-06

US 67082191A 1991-03-18

Status Date Code Description

1995-01-24 BREE + REQUEST FOR EXAMINATION

1999-08- BREG -TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL

10 EXAMINATION (OPINION)
2000-06- BRFC -DECISION: REFUSAL
06
2000-12- BRCKFC APPEAL: APPEAL AGAINST REFUSAL
12
2005-07- BRB08E APPLICATION FEES: REQUIREMENT FOR COMPLEMENTATION OF ANNUITY FEE
12
2005-08- BRB08H APPLICATION FEES: DECISION CANCELLED
23 Free Format Text REFERENTE AO DESPACHO PUBLICADO NA RPI 1801 DE
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CA 2097803A1 - 1992-06-08

Priority Data

US 9108835W 1991-12-04
US 62422790A 1990-12-07

Status Date Code Description

1993-06- CAAFNE+ NATIONAL PHASE ENTRY
04
1998-11- CAEEER+ EXAMINATION REQUEST
05

CA 2106377A1 - 1992-09-19

Priority Data

US 9201807W 1992-03-18
US 84634492A 1992-03-06
US 67082191A 1991-03-18

Status Date Code Description

1993-09- CAAFNE+ NATIONAL PHASE ENTRY
16
1999-03- CAEEER+ EXAMINATION REQUEST
09

CA 1335430C - 1995-05-02

Priority Data

US 35206289A 1989-05-15
US 23909988A 1988-08-31

For this number no legal information is available.

CA 2106377C - 2003-11-04

Priority Data

US 9201807W 1992-03-18
US 84634492A 1992-03-06
US 67082191A 1991-03-18

For this number no legal information is available.

CA 2097803C - 2010-08-03

Priority Data

US 9108835W 1991-12-04
US 62422790A 1990-12-07

For this number no legal information is available.

CN 1070424A - 1993-03-31

Priority Data

US 67082191A 1991-03-18

Status Date Code Description

1993-03- CNC06 + PUBLICATION
31
1994-06- CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
29
2001-05- CNC14 + GRANTED
16

2002-06- CNC15 + EXTENSION OF PATENT RIGHT DURATION (FROM 15 TO 20 YEARS)
12

CN 1091774A - 1994-09-07

Priority Data

US 2605193A 1993-03-05
US 94629092A 1992-09-17

Status Date Code Description

1994-09- CNC06 + PUBLICATION
07
1996-01- CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
10
2001-07- CNC14 + GRANTED
18
2004-05- CNC41 TRANSFER OF THE RIGHT OF PATENT APPLICATION OR THE PATENT RIGHT
19
2004-05- CNASS SUCCESSION OR ASSIGNMENT OF PATENT RIGHT
19 Owner Name BC INTERNATIONAL CO., LTD.
Free Format Text FORMER OWNER: DAVID E. FOWLER
2004-05- CNASS SUCCESSION OR ASSIGNMENT OF PATENT RIGHT
19 Owner Name NONE
Free Format Text FORMER OWNER: PHILIP G. HOTON; ARIE BEN-BASSAT
Effective DATE 20040329

CN 1065915C - 2001-05-16

Priority Data

US 67082191A 1991-03-18

For this number no legal information is available.

CN 1068629C - 2001-07-18

Priority Data

US 2605193A 1993-03-05
US 94629092A 1992-09-17

For this number no legal information is available.

CN 1342773A - 2002-04-03

Priority Data

US 67082191A 1991-03-18

Status Date Code Description

2002-02- CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
06
2002-04- CNC06 + PUBLICATION
03
2008-01- CNC14 + GRANTED
02

CN 100359017C - 2008-01-02

Priority Data

US 67082191A 1991-03-18

For this number no legal information is available.

DE 69131015D1 - 1999-04-22

Priority Data

US 9108835W 1991-12-04
US 62422790A 1990-12-07

Status Date Code Description

2000-03- DE8363-OPPOSITION AGAINST THE PATENT
16

DE 69131015T2 - 1999-11-18

Priority Data

US 9108835W 1991-12-04
 US 62422790A 1990-12-07

For this number no legal information is available.

DE 69231706D1 - 2001-04-05**Priority Data**

US 9201807W 1992-03-18
 US 84634492A 1992-03-06
 US 67082191A 1991-03-18

Status Date Code Description

2006-11-09 DE8364+ NO OPPOSITION DURING TERM OF OPPOSITION
 2011-03-24 DE8327 CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER
 Owner Name UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC, US
 2011-03-24 DE8327 CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER
 Owner Name VERENIUM CORP. (N.D.GES.D. STAATES DELAWARE), , US

DE 69231706T2 - 2001-10-04**Priority Data**

US 9201807W 1992-03-18
 US 84634492A 1992-03-06
 US 67082191A 1991-03-18

For this number no legal information is available.

DK 0560885T3 - 1999-10-11**Priority Data**

US 9108835W 1991-12-04
 US 62422790A 1990-12-07

For this number no legal information is available.

EP 0431047A1 - 1991-06-12**Priority Data**

US 35206289A 1989-05-15
 US 23909988A 1988-08-31

Status Date Code Description

1991-06-12 EPAK + DESIGNATED CONTRACTING STATES:
 Kind Code of Ref Document A1
 Designated State(s) AT BE CH DE FR GB IT LI LU NL SE
 1991-06-12 EP17P + REQUEST FOR EXAMINATION FILED
 Effective DATE 19910227
 1993-06-16 EP17Q + FIRST EXAMINATION REPORT
 Effective DATE 19930430
 1994-05-18 EP18D -DEEMED TO BE WITHDRAWN
 Effective DATE 19931111

EP 0560885A1 - 1993-09-22**Priority Data**

US 9108835W 1991-12-04
 US 62422790A 1990-12-07

Status Date Code Description

1993-09-22 EPAK + DESIGNATED CONTRACTING STATES:
 Kind Code of Ref Document A1
 Designated State(s) AT BE CH DE DK ES FR GB GR IT LI LU MC NL
 1993-09-22 EP17P + REQUEST FOR EXAMINATION FILED
 Effective DATE 19930706
 1993-11-24 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
 Designated State(s) AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE
 1994-05-25 EPRHK1 MAIN CLASSIFICATION (CORRECTION)
 IPC Classification C12N 15/31
 1994-06- EPA4 + SUPPLEMENTARY SEARCH REPORT

08
1994-06- EPAK + DESIGNATED CONTRACTING STATES:
08 Kind Code of Ref Document A4
Designated State(s) AT BE CH DE DK ES FR GB GR IT LI LU MC NL
1995-07- EP17Q + FIRST EXAMINATION REPORT
19 Effective DATE 19950608
1999-03- EPAK + DESIGNATED CONTRACTING STATES:
17 Kind Code of Ref Document B1
Designated State(s) AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE
1999-03- EPREF CORRESPONDS TO:
17 Ref Document Number 177784
Country of Ref Document AT
Date of Ref Document 19990415
Kind Code of Ref Document T
Format of Ref Document F/P P
1999-03- EPREG REFERENCE TO A NATIONAL CODE
31 Ref Country Code CH Ref Legal Event Code EP (ENTRY IN THE NATIONAL
PHASE)
1999-04- EPREF CORRESPONDS TO:
22 Ref Document Number 69131015
Country of Ref Document DE
Date of Ref Document 19990422
Format of Ref Document F/P P
1999-06- EPITF + IT: TRANSLATION FOR A EP PATENT FILED
17 Owner Name JACOBACCI PERANI S.P.A.
1999-07- EPET + FR: TRANSLATION FILED
16
1999-08- EPREG REFERENCE TO A NATIONAL CODE
16 Ref Country Code ES Ref Legal Event Code FG2A (DEFINITIVE PROTECTION)
Ref Document Number 2132116
Country of Ref Document ES
Kind Code of Ref Document T3
Format of Ref Document F/P P
1999-10- EPREG REFERENCE TO A NATIONAL CODE
11 Ref Country Code DK Ref Legal Event Code T3 (TRANSLATION OF EP PATENT)
1999-12- EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
04 NAT. OFFICE TO EPO
Ref Country Code LU Free Format Text LAPSE BECAUSE OF NON-PAYMENT OF
DUE FEES
Effective DATE 19991204
2000-02- EP26 -OPPOSITION FILED
09 Opponent Name NOVO INDUSTRI A/S
Effective DATE 19991217
2000-03- EP26 -OPPOSITION FILED
08 Opponent Name NOVO INDUSTRI A/S
Effective DATE 19991217
2000-03- EP26 -OPPOSITION FILED
08 Opponent Name DSM N.V.
Effective DATE 19991216
2000-03- EP26 -OPPOSITION FILED
08 Opponent Name GENENCOR INTERNATIONAL INC.,
Effective DATE 19991217
2000-04- EPNLR1-NL: OPPOSITION HAS BEEN FILED WITH THE EPO
03 Opponent Name NOVO INDUSTRI A/S
2000-05- EPNLR1-NL: OPPOSITION HAS BEEN FILED WITH THE EPO
03 Opponent Name NOVO INDUSTRI A/S
2000-05- EPNLR1-NL: OPPOSITION HAS BEEN FILED WITH THE EPO
03 Opponent Name DSM N.V.
2000-05- EPNLR1-NL: OPPOSITION HAS BEEN FILED WITH THE EPO
03 Opponent Name GENENCOR INTERNATIONAL INC.,
2000-06- EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
30 NAT. OFFICE TO EPO
Ref Country Code MC Free Format Text LAPSE BECAUSE OF NON-PAYMENT OF
DUE FEES
Effective DATE 20000630
2001-05- EPR26 -OPPOSITION FILED (CORRECTION)
23
Opponent Name NOVO NORDISK A/S * 19991216 DSM N.V. * 19991217 GE

Effective DATE 19991217

2001-06- EPR26 -OPPOSITION FILED (CORRECTION)
13 Opponent Name NOVOZYMES A/S * 19991216 DSM N.V. * 19991217 GENEN
Effective DATE 19991217

2001-08- EPNLR1-NL: OPPOSITION HAS BEEN FILED WITH THE EPO
01 Opponent Name NOVO NORDISK A/S

2001-08- EPNLR1-NL: OPPOSITION HAS BEEN FILED WITH THE EPO
01 Opponent Name DSM N.V.

2001-08- EPNLR1-NL: OPPOSITION HAS BEEN FILED WITH THE EPO
01 Opponent Name GENENCOR INTERNATIONAL INC.,

2001-08- EPNLR1-NL: OPPOSITION HAS BEEN FILED WITH THE EPO
01 Opponent Name NOVOZYMES A/S

2001-09- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
21 Ref Country Code NL Payment DATE 20010921
Year of Fee Payment 11

2001-11- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
05 Ref Country Code AT Payment DATE 20011105
Year of Fee Payment 11

2002-01- EPREG REFERENCE TO A NATIONAL CODE
01 Ref Country Code GB Ref Legal Event Code IF02 (EUROPEAN PATENT IN FORCE
AS OF 2002-01-01)

2002-01- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
03 Ref Country Code CH Payment DATE 20020103
Year of Fee Payment 11

2002-01- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
17 Ref Country Code BE Payment DATE 20020117
Year of Fee Payment 11

2002-12- EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
04 NAT. OFFICE TO EPO
Ref Country Code AT Free Format Text LAPSE BECAUSE OF NON-PAYMENT OF
DUE FEES
Effective DATE 20021204

2002-12- EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
31 NAT. OFFICE TO EPO
Ref Country Code BE Free Format Text LAPSE BECAUSE OF NON-PAYMENT OF
DUE FEES
Effective DATE 20021231

2002-12- EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
31 NAT. OFFICE TO EPO
Ref Country Code CH Free Format Text LAPSE BECAUSE OF NON-PAYMENT OF
DUE FEES
Effective DATE 20021231

2002-12- EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
31 NAT. OFFICE TO EPO
Ref Country Code LI Free Format Text LAPSE BECAUSE OF NON-PAYMENT OF
DUE FEES
Effective DATE 20021231

2003-06- EPBERE-BE: LAPSED
30 Owner Name *UNIVERSITY OF FLORIDA
Effective DATE 20021231

2003-07- EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
01 NAT. OFFICE TO EPO
Ref Country Code NL Free Format Text LAPSE BECAUSE OF NON-PAYMENT OF
DUE FEES
Effective DATE 20030701

2003-08- EPREG REFERENCE TO A NATIONAL CODE
15 Ref Country Code CH Ref Legal Event Code PL (PATENT CEASED)

2003-09- EPNLV4-NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE
01 Effective DATE 20030701

2004-06- EPR26 -OPPOSITION FILED (CORRECTION)
30 Opponent Name NOVOZYMES A/S
Effective DATE 19991217

2004-06- EPR26 -OPPOSITION FILED (CORRECTION)
30 Opponent Name KONINKLIJKE DSM N.V.
Effective DATE 19991216

2004-06- EPR26 -OPPOSITION FILED (CORRECTION)
30 Opponent Name GENENCOR INTERNATIONAL INC.,

Effective DATE 19991217

2011-01- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
31 Ref Country Code DK Payment DATE 20101228
Year of Fee Payment 20

2011-01- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
31 Ref Country Code FR Payment DATE 20110107
Year of Fee Payment 20

2011-03- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
31 Ref Country Code GB Payment DATE 20101229
Year of Fee Payment 20

2011-03- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
31 Ref Country Code GR Payment DATE 20101228
Year of Fee Payment 20

2011-03- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
31 Ref Country Code SE Payment DATE 20101229
Year of Fee Payment 20

2011-03- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
31 Ref Country Code IT Payment DATE 20101227
Year of Fee Payment 20

2011-05- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
31 Ref Country Code DE Payment DATE 20101229
Year of Fee Payment 20

2011-06- EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
30 Ref Country Code ES Payment DATE 20101227
Year of Fee Payment 20

*n 2011-12- EPREG REFERENCE TO A NATIONAL CODE
28 Ref Country Code GB Ref Legal Event Code PE20 (PATENT EXPIRED AFTER
TERMINATION OF 20 YEARS) Expiry DATE 20111203*

EP 0576621A1 - 1994-01-05

Priority Data

US 9201807W 1992-03-18
US 84634492A 1992-03-06
US 67082191A 1991-03-18

Status Date Code Description

1994-01- EPAK + DESIGNATED CONTRACTING STATES:
05 Kind Code of Ref Document A1
Designated State(s) AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE

1994-01- EP17P + REQUEST FOR EXAMINATION FILED
05 Effective DATE 19931015

1994-11- EPAK + DESIGNATED CONTRACTING STATES:
02 Kind Code of Ref Document A4
Designated State(s) AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE

1994-11- EPA4 + SUPPLEMENTARY SEARCH REPORT
02 Effective DATE 19940916

1997-07- EP17Q + FIRST EXAMINATION REPORT
30 Effective DATE 19970611

2001-02- EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
28 NAT. OFFICE TO EPO
Ref Country Code AT Free Format Text LAPSE BECAUSE OF FAILURE TO SUBMIT
A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE
PRESCRIBED TIME-LIMIT
Effective DATE 20010228

2001-02- EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
28 NAT. OFFICE TO EPO
Ref Country Code BE Free Format Text LAPSE BECAUSE OF FAILURE TO SUBMIT
A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE
PRESCRIBED TIME-LIMIT
Effective DATE 20010228

2001-02- EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
28 NAT. OFFICE TO EPO
Ref Country Code CH Free Format Text LAPSE BECAUSE OF FAILURE TO
SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN
THE PRESCRIBED TIME-LIMIT
Effective DATE 20010228

2001-02- EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM

28 NAT. OFFICE TO EPO
Ref Country Code GR Free Format Text LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
Effective DATE 20010228

2001-02-28 EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
NAT. OFFICE TO EPO
Ref Country Code LI Free Format Text LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
Effective DATE 20010228

2001-02-28 EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
NAT. OFFICE TO EPO
Ref Country Code NL Free Format Text LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
Effective DATE 20010228

2001-02-28 EPAK + DESIGNATED CONTRACTING STATES:
Kind Code of Ref Document B1
Designated State(s) AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE

2001-02-28 EPREF CORRESPONDS TO:
Ref Document Number 199389
Country of Ref Document AT
Date of Ref Document 20010315
Kind Code of Ref Document T
Format of Ref Document F/P P

2001-02-28 EPREG REFERENCE TO A NATIONAL CODE
Ref Country Code CH Ref Legal Event Code EP (ENTRY IN THE NATIONAL PHASE)

2001-03-18 EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
NAT. OFFICE TO EPO
Ref Country Code LU Free Format Text LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
Effective DATE 20010318

2001-04-05 EPREF CORRESPONDS TO:
Ref Document Number 69231706
Country of Ref Document DE
Date of Ref Document 20010405
Format of Ref Document F/P P

2001-04-28 EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
NAT. OFFICE TO EPO
Ref Country Code MC Free Format Text LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
Effective DATE 20010428

2001-05-28 EPITF + IT: TRANSLATION FOR A EP PATENT FILED
Owner Name JACOBACCI PERANI S.P.A.

2001-05-31 EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
NAT. OFFICE TO EPO
Ref Country Code DK Free Format Text LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
Effective DATE 20010531

2001-07-06 EPET + FR: TRANSLATION FILED

2001-08-01 EPNLV1-NL: LAPSED OR ANNULED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT; NO LEGAL EFFECT FROM

2001-08-16 EPREG REFERENCE TO A NATIONAL CODE
Ref Country Code ES Ref Legal Event Code FG2A (DEFINITIVE PROTECTION)
Ref Document Number 2157203
Country of Ref Document ES
Kind Code of Ref Document T3
Format of Ref Document F/P P

2001-08-31 EPREG REFERENCE TO A NATIONAL CODE
Ref Country Code CH Ref Legal Event Code PL (PATENT CEASED)

2002-01-01 EPREG REFERENCE TO A NATIONAL CODE
Ref Country Code GB Ref Legal Event Code IF02 (EUROPEAN PATENT IN FORCE AS OF 2002-01-01)

2002-02- EP26N + NO OPPOSITION FILED

20
2003-03-18 EPPG25-LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM
NAT. OFFICE TO EPO
Ref Country Code GB Free Format Text LAPSE BECAUSE OF NON-PAYMENT OF
DUE FEES
Effective DATE 20030318

2003-11-05 EPGBPC-GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
Effective DATE 20030318

2003-11-12 EPREG REFERENCE TO A NATIONAL CODE
Ref Country Code GB Ref Legal Event Code 728V (APPLICATION FOR
RESTORATION FILED (SECT. 28/1977))

2005-03-30 EPREG REFERENCE TO A NATIONAL CODE
Ref Country Code GB Ref Legal Event Code 732E (AMENDMENTS TO THE
REGISTER IN RESPECT OF CHANGES OF NAME OR CHANGES AFFECTING
RIGHTS (SECT. 32/1977))

2005-06-22 EPREG REFERENCE TO A NATIONAL CODE
Ref Country Code GB Ref Legal Event Code 7281 (APPLICATION FOR
RESTORATION WITHDRAWN (SECT. 28/1977))

2005-08-10 EPREG REFERENCE TO A NATIONAL CODE
Ref Country Code GB Ref Legal Event Code 732E (AMENDMENTS TO THE
REGISTER IN RESPECT OF CHANGES OF NAME OR CHANGES AFFECTING
RIGHTS (SECT. 32/1977))

2011-05-31 EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Ref Country Code FR Payment DATE 20110331
Year of Fee Payment 20

2011-05-31 EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Ref Country Code SE Payment DATE 20110329
Year of Fee Payment 20

2011-07-29 EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Ref Country Code GB Payment DATE 20110325
Year of Fee Payment 20

2011-07-29 EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Ref Country Code DE Payment DATE 20110329
Year of Fee Payment 20

2011-07-29 EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Ref Country Code ES Payment DATE 20110328
Year of Fee Payment 20

2011-09-30 EPPGFP+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
Ref Country Code IT Payment DATE 20110329
Year of Fee Payment 20

EP 0560885A4 - 1994-06-08

Priority Data

US 9108835W 1991-12-04
US 62422790A 1990-12-07

For this number no legal information is available.

EP 0576621A4 - 1994-11-02

Priority Data

US 9201807W 1992-03-18
US 84634492A 1992-03-06
US 67082191A 1991-03-18

For this number no legal information is available.

EP 0560885B1 - 1999-03-17

Priority Data

US 9108835W 1991-12-04
US 62422790A 1990-12-07

For this number no legal information is available.

EP 0576621B1 - 2001-02-28

Priority Data

US 9201807W 1992-03-18
US 84634492A 1992-03-06

US 67082191A 1991-03-18

For this number no legal information is available.

ES 2132116T3 - 1999-08-16

Priority Data

US 62422790A 1990-12-07

Status Date Code Description

1999-08-16 ESFG2A+ DEFINITIVE PROTECTION
Ref Document Number 560885
Country of Ref Document ES

ES 2157203T3 - 2001-08-16

Priority Data

US 84634492A 1992-03-06

US 67082191A 1991-03-18

Status Date Code Description

2001-08-16 ESFG2A+ DEFINITIVE PROTECTION
Ref Document Number 576621
Country of Ref Document ES

FI 932559D0 - 1993-06-04

Priority Data

US 9108835W 1991-12-04

US 62422790A 1990-12-07

For this number no legal information is available.

FI 932559A - 1993-07-27

Priority Data

US 9108835W 1991-12-04

US 62422790A 1990-12-07

For this number no legal information is available.

FI 934087D0 - 1993-09-17

Priority Data

US 9201807W 1992-03-18

US 84634492A 1992-03-06

US 67082191A 1991-03-18

Status Date Code Description

2009-05-29 FIFG + Patent granted
Ref Document Number 119997
Country of Ref Document FI

FI 934087A - 1993-11-02

Priority Data

US 9201807W 1992-03-18

US 84634492A 1992-03-06

US 67082191A 1991-03-18

For this number no legal information is available.

FI 111552B1 - 2003-08-15

Priority Data

US 9108835W 1991-12-04

US 62422790A 1990-12-07

For this number no legal information is available.

FI 119997B1 - 2009-05-29

Priority Data

US 9201807W 1992-03-18

US 84634492A 1992-03-06
US 67082191A 1991-03-18

For this number no legal information is available.

GR 3030570T3 - 1999-10-29

Priority Data

US 9108835W 1991-12-04
US 62422790A 1990-12-07

For this number no legal information is available.

HU T60328A - 1992-08-28

Priority Data

US 35206289A 1989-05-15
US 23909988A 1988-08-31

Status Date Code Description

1993-11-29 HUDFD9 TEMPORARY PROT. CANCELLED DUE TO NON-PAYMENT OF FEE

JP H05502366A - 1993-04-28

Priority Data

US 35206289A 1989-05-15
US 23909988A 1988-08-31

For this number no legal information is available.

JP H06504436A - 1994-05-26

Priority Data

US 9108835W 1991-12-04
US 62422790A 1990-12-07

For this number no legal information is available.

JP H06505875A - 1994-07-07

Priority Data

US 9201807W 1992-03-18
US 84634492A 1992-03-06
US 67082191A 1991-03-18

For this number no legal information is available.

JP 3457664B2 - 2003-10-20

Priority Data

US 9201807W 1992-03-18
US 84634492A 1992-03-06
US 67082191A 1991-03-18

For this number no legal information is available.

JP 2004283176A - 2004-10-14

Priority Data

US 62422790A 1990-12-07

For this number no legal information is available.

JP 3593125B2 - 2004-11-24

Priority Data

US 9108835W 1991-12-04
US 62422790A 1990-12-07

For this number no legal information is available.

NO 933178D0 - 1993-09-07

Priority Data

US 9201807W 1992-03-18
US 84634492A 1992-03-06
US 67082191A 1991-03-18

For this number no legal information is available.

NO 933178A - 1993-11-08

Priority Data

US 9201807W 1992-03-18
US 84634492A 1992-03-06
US 67082191A 1991-03-18

For this number no legal information is available.

NO 315567B1 - 2003-09-22

Priority Data

US 9201807W 1992-03-18
US 84634492A 1992-03-06
US 67082191A 1991-03-18

For this number no legal information is available.

NZ 241970A - 1994-10-26

Priority Data

US 84634492A 1992-03-06
US 67082191A 1991-03-18

Status Date Code Description

2002-10- NZRENW+ RENEWAL (RENEWAL FEES ACCEPTED)
25
2005-04- NZRENW+ RENEWAL (RENEWAL FEES ACCEPTED)
29
2010-04- NZASS CHANGE OF OWNERSHIP
30
Owner Name UNIVERSITY OF FLORIDA, US
Free Format Text OLD OWNER(S): UNIVERSITY OF FLORIDA; CELUNOL CORP
2010-04- NZASS CHANGE OF OWNERSHIP
30
Owner Name VERENIUM CORPORATION, US
Free Format Text OLD OWNER(S): UNIVERSITY OF FLORIDA; CELUNOL CORP

US 5000000A - 1991-03-19

Priority Data

US 35206289A 1989-05-15
US 23909988A 1988-08-31

Status Date Code Description

1989-05- USAS ASSIGNMENT
15
Owner Name UNIVERSITY OF FLORIDA, THE, 207 TIGERT HALL, GAINE
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST.;ASSIGNORS:INGRAM, LONNIE O.;ALTERTHUM,
FLAVIO;REEL/FRAME:005083/0452
Effective DATE 19890512
1989-06- USAS ASSIGNMENT
01
Owner Name UNIVERSITY OF FLORIDA, THE, FLORIDA
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST.;ASSIGNOR:CONWAY, TYRRELL;REEL/FRAME:005090/0705
Effective DATE 19890522
1993-12- USAS ASSIGNMENT
09
Owner Name UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPO
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:UNIVERSITY OF FLORIDA;REEL/FRAME:006796/0219
Effective DATE 19900521
1994-09- USFPAY+ FEE PAYMENT
12
Year of Fee Payment 4
1998-09- USFPAY+ FEE PAYMENT
14
Year of Fee Payment 8
2002-02- USAS ASSIGNMENT
15
Owner Name PHILIP PLANT, TEXAS

Free Format Text SECURITY INTEREST;ASSIGNORS:BC INTERNATIONAL CORPORATION;BCI LOUISIANA LLC;REEL/FRAME:012653/0509
Effective DATE 20020214

2002-08- USFPAY+ FEE PAYMENT
29 Year of Fee Payment 12

US 5028539A - 1991-07-02

Priority Data

US 27407588A 1988-11-21
US 23909988A 1988-08-31

Status Date Code Description

1988-12- USAS ASSIGNMENT
08 Owner Name UNIVERSITY OF FLORIDA, 207 TIGERT HALL, GAINESVILL
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST.;ASSIGNOR:INGRAM, LONNIE O.;REEL/FRAME:004982/0747
Effective DATE 19881130

1993-03- USCC CERTIFICATE OF CORRECTION
23

1993-11- USAS ASSIGNMENT
01 Owner Name UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPO
Free Format Text ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:CLARK,
DAVID P.;REEL/FRAME:006748/0253
Effective DATE 19901211

1993-11- USAS ASSIGNMENT
08 Owner Name UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPO
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:UNIVERSITY OF FLORIDA;REEL/FRAME:006753/0345
Effective DATE 19900521

1994-11- USFPAY+ FEE PAYMENT
16 Year of Fee Payment 4

1999-01- USFPAY+ FEE PAYMENT
04 Year of Fee Payment 8

2002-02- USAS ASSIGNMENT
15 Owner Name PHILIP PLANT, TEXAS
Free Format Text SECURITY INTEREST;ASSIGNORS:BC INTERNATIONAL
CORPORATION;BCI LOUISIANA LLC;REEL/FRAME:012653/0509
Effective DATE 20020214

2003-01- USREMI MAINTENANCE FEE REMINDER MAILED
15

2003-06- USFPAY+ FEE PAYMENT
26 Year of Fee Payment 12

2003-06- USSULP+ SURCHARGE FOR LATE PAYMENT
26 Year of Fee Payment 11

2003-08- USFP -EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
26 Effective DATE 20030702

2005-02- USAS ASSIGNMENT
09 Owner Name HITACHI, LTD., JAPAN
Free Format Text MERGER;ASSIGNOR:HITACHI UNISIA AUTOMOTIVE,
LTD.;REEL/FRAME:016256/0342
Effective DATE 20040927

2007-12- USCC CERTIFICATE OF CORRECTION
25

US 5424202A - 1995-06-13

Priority Data

US 84634492A 1992-03-06
US 67082191A 1991-03-18
US 62427790A 1990-12-07
US 35206289A 1989-05-15
US 23909988A 1988-08-31

Status Date Code Description

1993-10- USAS ASSIGNMENT
08 Owner Name UNIVERSITY OF FLORIDA, THE, FLORIDA
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNORS:INGRAM, LONNIE O.;BEALL, DAVID S.;BURCHHARDT,

GERHARD F.H.;AND OTHERS;REEL/FRAME:006723/0026;SIGNING DATES FROM 19930902 TO 19930920

1996-08- USAS ASSIGNMENT
29 Owner Name FLORIDA RESEARCH FOUNDATION, INCORPORATED, UNIVERS
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:FLORIDA, UNIVERSITY OF;REEL/FRAME:008104/0773
Effective DATE 19960730

1998-12- USFPAY+ FEE PAYMENT
14 Year of Fee Payment 4

2002-02- USAS ASSIGNMENT
15 Owner Name PHILIP PLANT, TEXAS
Free Format Text SECURITY INTEREST;ASSIGNORS:BC INTERNATIONAL
CORPORATION;BCI LOUISIANA LLC;REEL/FRAME:012653/0509
Effective DATE 20020214

2003-01- USREMI MAINTENANCE FEE REMINDER MAILED
02

2003-06- USFPAY+ FEE PAYMENT
11 Year of Fee Payment 8

2003-06- USSULP+ SURCHARGE FOR LATE PAYMENT
11 Year of Fee Payment 7

2006-11- USFPAY+ FEE PAYMENT
21 Year of Fee Payment 12

US 5482846A - 1996-01-09

Priority Data

US 22007294A 1994-03-30
US 2605193A 1993-03-05
US 94629092A 1992-09-17
US 84634492A 1992-03-06
US 67082191A 1991-03-18
US 62422790A 1990-12-07
US 35206289A 1989-05-15
US 23909988A 1988-08-31

Status Date Code Description

1994-03- USAS ASSIGNMENT
30 Owner Name FLORIDA, UNIVERSITY OF, FLORIDA
Free Format Text ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:INGRAM,
LONNIE O'NEAL;REEL/FRAME:007001/0722
Effective DATE 19940329

1994-05- USAS ASSIGNMENT
05 Owner Name UNIVERSITY OF FLORIDA, FLORIDA
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:BARBOSA-ALLEYNE, MARIA
D.F.;REEL/FRAME:006979/0554
Effective DATE 19940404

1995-09- USAS ASSIGNMENT
18 Owner Name UNITED STATES DEPARTMENT OF ENERGY, DISTRICT OF CO
Free Format Text CONFIRMATORY LICENSE;ASSIGNOR:UNIVERSITY OF
FLORIDA;REEL/FRAME:007614/0740
Effective DATE 19940414

1996-05- USCC CERTIFICATE OF CORRECTION
14

1996-08- USAS ASSIGNMENT
29 Owner Name UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPO
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:UNIVERSITY OF FLORIDA;REEL/FRAME:008104/0770
Effective DATE 19960730

1999-06- USFPAY+ FEE PAYMENT
28 Year of Fee Payment 4

2002-02- USAS ASSIGNMENT
15 Owner Name PHILIP PLANT, TEXAS
Free Format Text SECURITY INTEREST;ASSIGNORS:BC INTERNATIONAL
CORPORATION;BCI LOUISIANA LLC;REEL/FRAME:012653/0509
Effective DATE 20020214

2003-07- USREMI MAINTENANCE FEE REMINDER MAILED
30

2004-01- USFPAY+ FEE PAYMENT
09 Year of Fee Payment 8
2004-01- USSULP+ SURCHARGE FOR LATE PAYMENT
09 Year of Fee Payment 7
2007-07- USFPAY+ FEE PAYMENT
06 Year of Fee Payment 12

US 5487989A - 1996-01-30

Priority Data

US 94629092A 1992-09-17
US 84634492A 1992-03-06
US 67082191A 1991-03-18
US 62427790A 1990-12-07
US 35206289A 1989-05-15
US 23909988A 1988-08-31

Status Date Code Description

1994-02- USAS ASSIGNMENT
07 Owner Name BIOENERGY INTERNATIONAL, L.C., FLORIDA
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNORS:FOWLER, DAVID E.;HORTON, PHILIP G.;BEN-BASSAT,
ARIE;REEL/FRAME:006854/0435
Effective DATE 19921103

1998-06- USAS ASSIGNMENT
17 Owner Name BC INTERNATIONAL CORPORATION, MASSACHUSETTS
Free Format Text SALE AND ASSIGNMENT AGREEMENT DATED NOVEMBER 15,
1995 (ATTACHED) PURSUANT TO AN ORDER OF THE UNITED STATES
BANKRUPTCY COURT FOR THE DISTRICT OF DELAWARE (IN RE QUADREX
CORPORATION, CASE NO. 95-181 (HSB) (ATTACHED);ASSIGNOR:BIOENERGY
INTERNATIONAL L.C.;REEL/FRAME:009245/0182
Effective DATE 19951115

1999-07- USFPAY+ FEE PAYMENT
09 Year of Fee Payment 4

2002-02- USAS ASSIGNMENT
15 Owner Name PHILIP PLANT, TEXAS
Free Format Text SECURITY INTEREST;ASSIGNORS:BC INTERNATIONAL
CORPORATION;BCI LOUISIANA LLC;REEL/FRAME:012653/0509
Effective DATE 20020214

2003-08- USREMI MAINTENANCE FEE REMINDER MAILED
20

2004-01- USFPAY+ FEE PAYMENT
29 Year of Fee Payment 8

2004-01- USSULP+ SURCHARGE FOR LATE PAYMENT
29 Year of Fee Payment 7

2006-09- USAS ASSIGNMENT
27 Owner Name CELUNOL CORP., FLORIDA
Free Format Text CHANGE OF NAME;ASSIGNOR:BC INTERNATIONAL
CORPORATION;REEL/FRAME:018313/0182
Effective DATE 20060428

2007-07- USFPAY+ FEE PAYMENT
26 Year of Fee Payment 12

2009-04- USAS ASSIGNMENT
08 Owner Name VERENIUM BIOFUELS CORPORATION, MASSACHUSETTS
Free Format Text CHANGE OF NAME;ASSIGNOR:CELUNOL
CORP.;REEL/FRAME:022520/0326
Effective DATE 20070620

2009-04- USAS ASSIGNMENT
24 Owner Name VERENIUM CORPORATION, CALIFORNIA
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:VERENIUM BIOFUELS
CORPORATION;REEL/FRAME:022584/0939
Effective DATE 20090422

2010-08- USAS ASSIGNMENT
02 Owner Name BC INTERNATIONAL CORPORATION, MASSACHUSETTS
Free Format Text RELEASE BY SECURED PARTY;ASSIGNOR:PHILIP
PLANT;REEL/FRAME:024767/0943
Effective DATE 20050816

2010-12- USAS ASSIGNMENT
10 Owner Name BP CORPORATION NORTH AMERICA INC., ILLINOIS
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:VERENIUM CORPORATION;REEL/FRAME:025464/0084
Effective DATE 20100902

US 5554520A - 1996-09-10

Priority Data

US 2605193A 1993-03-05
US 94629092A 1992-09-17
US 84634492A 1992-03-06
US 67082191A 1991-03-18
US 62427790A 1990-12-07
US 35206789A 1989-05-15
US 23909988A 1988-08-31

Status Date Code Description

1993-04- USAS ASSIGNMENT
30 Owner Name BIOENERGY INTERNATIONAL, L.C.
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNORS:FOWLER, DAVID E.;HORTON, PHILIP G.;BEN-BASSAT,
ARIE;REEL/FRAME:006584/0992
Effective DATE 19930416

1996-11- USCC CERTIFICATE OF CORRECTION
19

1998-06- USAS ASSIGNMENT
17 Owner Name BC INTERNATIONAL CORPORATION, MASSACHUSETTS
Free Format Text SALE AND ASSIGNMENT AGREEMENT DATED NOVEMBER 15,
1995 (ATTACHED) PURSUANT TO AN ORDER OF THE UNITED STATES
BANKRUPTCY COURT FOR THE DISTRICT OF DELAWARE (IN RE QUADREX
CORPORATION, CASE NO. 95-181 (HSB) (ATTACED);ASSIGNOR:BIOENERGY
INTERNATIONAL L.C.;REEL/FRAME:009245/0182
Effective DATE 19951115

2000-02- USFPAY+ FEE PAYMENT
28 Year of Fee Payment 4

2000-04- USREMI MAINTENANCE FEE REMINDER MAILED
04

2002-02- USAS ASSIGNMENT
15 Owner Name PHILIP PLANT, TEXAS
Free Format Text SECURITY INTEREST;ASSIGNORS:BC INTERNATIONAL
CORPORATION;BCI LOUISIANA LLC;REEL/FRAME:012653/0509
Effective DATE 20020214

2004-03- USREMI MAINTENANCE FEE REMINDER MAILED
31

2004-09- USFPAY+ FEE PAYMENT
02 Year of Fee Payment 8

2004-09- USSULP+ SURCHARGE FOR LATE PAYMENT
02 Year of Fee Payment 7

2006-09- USAS ASSIGNMENT
27 Owner Name CELUNOL CORP., FLORIDA
Free Format Text CHANGE OF NAME;ASSIGNOR:BC INTERNATIONAL
CORPORATION;REEL/FRAME:018313/0182
Effective DATE 20060428

2008-03- USFPAY+ FEE PAYMENT
10 Year of Fee Payment 12

2008-03- USREMI MAINTENANCE FEE REMINDER MAILED
17

2009-04- USAS ASSIGNMENT
08 Owner Name VERENIUM BIOFUELS CORPORATION, MASSACHUSETTS
Free Format Text CHANGE OF NAME;ASSIGNOR:CELUNOL
CORP.;REEL/FRAME:022520/0326
Effective DATE 20070620

2009-04- USAS ASSIGNMENT
24 Owner Name VERENIUM CORPORATION, CALIFORNIA
Free Format Text ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:VERENIUM BIOFUELS
CORPORATION;REEL/FRAME:022584/0939

Effective DATE 20090422
 2010-08- USAS ASSIGNMENT
 02 Owner Name BC INTERNATIONAL CORPORATION, MASSACHUSETTS
 Free Format Text RELEASE BY SECURED PARTY;ASSIGNOR:PHILIP
 PLANT;REEL/FRAME:024767/0943
 Effective DATE 20050816
 2010-12- USAS ASSIGNMENT
 10 Owner Name BP CORPORATION NORTH AMERICA INC., ILLINOIS
 Free Format Text ASSIGNMENT OF ASSIGNORS
 INTEREST;ASSIGNOR:VERENIUM CORPORATION;REEL/FRAME:025464/0084
 Effective DATE 20100902

US 5821093A - 1998-10-13

Priority Data

US 36386894A 1994-12-27
 US 1365893A 1993-02-04
 US 62422790A 1990-12-07
 US 35206289A 1989-05-15
 US 23909988A 1988-08-31

Status Date Code Description

1995-03- USAS ASSIGNMENT
 07 Owner Name UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., F
 Free Format Text ASSIGNMENT OF ASSIGNORS
 INTEREST;ASSIGNORS:INGRAM, LONNIE O.;OHTA, KAZUYOSHI;WOOD,
 BRENT;REEL/FRAME:007391/0909;SIGNING DATES FROM 19950220 TO
 19950306
 2002-02- USAS ASSIGNMENT
 15 Owner Name PHILIP PLANT, TEXAS
 Free Format Text SECURITY INTEREST;ASSIGNORS:BC INTERNATIONAL
 CORPORATION;BCI LOUISIANA LLC;REEL/FRAME:012653/0509
 Effective DATE 20020214
 2002-04- USREMI MAINTENANCE FEE REMINDER MAILED
 30
 2002-10- USFPAY+ FEE PAYMENT
 11 Year of Fee Payment 4
 2002-10- USSULP+ SURCHARGE FOR LATE PAYMENT
 11
 2002-12- USFP -EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
 10 Effective DATE 20021013
 2006-04- USFPAY+ FEE PAYMENT
 13 Year of Fee Payment 8
 2010-05- USREMI MAINTENANCE FEE REMINDER MAILED
 17
 2010-07- USFPAY+ FEE PAYMENT
 02 Year of Fee Payment 12
 2010-07- USSULP+ SURCHARGE FOR LATE PAYMENT
 02 Year of Fee Payment 11

US 5916787A - 1999-06-29

Priority Data

US 47592595A 1995-06-07
 US 22007294A 1994-03-30
 US 2605193A 1993-03-05
 US 94629092A 1992-09-17
 US 84634492A 1992-03-06
 US 67082191A 1991-03-18
 US 62422790A 1990-12-07
 US 35206289A 1989-05-15
 US 23909988A 1988-08-31

Status Date Code Description

2002-02- USAS ASSIGNMENT
 15 Owner Name PHILIP PLANT, TEXAS
 Free Format Text SECURITY INTEREST;ASSIGNORS:BC INTERNATIONAL
 CORPORATION;BCI LOUISIANA LLC;REEL/FRAME:012653/0509
 Effective DATE 20020214

2003-01- USREMI MAINTENANCE FEE REMINDER MAILED
15
2003-06- USFPAY+ FEE PAYMENT
26 Year of Fee Payment 4
2003-06- USSULP+ SURCHARGE FOR LATE PAYMENT
26
2003-08- USPRDP+ PATENT REINSTATED DUE TO THE ACCEPTANCE OF A LATE MAINTENANCE FEE
11 Effective DATE 20030812
2003-08- USFP -EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
26 Effective DATE 20030629
2006-11- USFPAY+ FEE PAYMENT
21 Year of Fee Payment 8
2007-08- USCC CERTIFICATE OF CORRECTION
07
2010-12- USFPAY+ FEE PAYMENT
29 Year of Fee Payment 12

US 6107093A - 2000-08-22

Priority Data

US 13440398A 1998-08-14
US 36386894A 1994-12-27
US 1365893A 1993-02-04
US 94629092A 1992-09-17
US 62422790A 1990-12-07
US 35206289A 1989-05-15
US 23909988A 1988-08-31

Status Date Code Description

2002-02- USAS ASSIGNMENT
15 Owner Name PHILIP PLANT, TEXAS
Free Format Text SECURITY INTEREST;ASSIGNORS:BC INTERNATIONAL CORPORATION;BCI LOUISIANA LLC;REEL/FRAME:012653/0509
Effective DATE 20020214
2004-03- USREMI MAINTENANCE FEE REMINDER MAILED
10
2004-03- USAS ASSIGNMENT
23 Owner Name U.S. DEPARTMENT OF ENERGY, DISTRICT OF COLUMBIA
Free Format Text CONFIRMATORY LICENSE;ASSIGNOR:UNIVERSITY OF FLORIDA;REEL/FRAME:014453/0731
Effective DATE 19981001
2004-08- USFPAY+ FEE PAYMENT
20 Year of Fee Payment 4
2004-08- USSULP+ SURCHARGE FOR LATE PAYMENT
20
2008-02- USFPAY+ FEE PAYMENT
21 Year of Fee Payment 8

US 2003008363A1 - 2003-01-09

Priority Data

US 121801A 2001-11-30
US 29046399A 1999-04-12
US 47592595A 1995-06-07
US 22007294A 1994-03-30
US 2605193A 1993-03-05
US 94629092A 1992-09-17
US 84634492A 1992-03-06
US 67082191A 1991-03-18
US 62422790A 1990-12-07
US 35206289A 1989-05-15
US 23909988A 1988-08-31

Status Date Code Description

2007-05- USCC CERTIFICATE OF CORRECTION
29
2008-08- USREMI MAINTENANCE FEE REMINDER MAILED
11
2009-02- USLAPS-LAPSE FOR FAILURE TO PAY MAINTENANCE FEES

01
2009-03- USFP -EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
24 Effective DATE 20090201

US 6849434B2 - 2005-02-01

Priority Data

US 121801A 2001-11-30
US 29046399A 1999-04-12
US 47592595A 1995-06-07
US 22007294A 1994-03-30
US 2605193A 1993-03-05
US 94629092A 1992-09-17
US 84634492A 1992-03-06
US 67082191A 1991-03-18
US 62422790A 1990-12-07
US 35206289A 1989-05-15
US 23909988A 1988-08-31

For this number no legal information is available.

US 2005158836A1 - 2005-07-21

Priority Data

US 920904A 2004-12-10
US 121801A 2001-11-30
US 29046399A 1999-04-12
US 47592595A 1995-06-07
US 22007294A 1994-03-30
US 2605193A 1993-03-05
US 84634492A 1992-03-06
US 67082191A 1991-03-18
US 62422790A 1990-12-07
US 35206289A 1989-05-15
US 23909988A 1988-08-31

For this number no legal information is available.

US 7192772B1 - 2007-03-20

Priority Data

US 62006000A 2000-07-21
US 13440398A 1998-08-14
US 36386894A 1994-12-27
US 1365893A 1993-02-04
US 94629092A 1992-09-17
US 62422790A 1990-12-07
US 35206289A 1989-05-15
US 23909988A 1988-08-31

Status Date	Code	Description
2002-02-15	USAS	ASSIGNMENT Owner Name PHILIP PLANT, TEXAS Free Format Text SECURITY INTEREST;ASSIGNORS:BC INTERNATIONAL CORPORATION;BCI LOUISIANA LLC;REEL/FRAME:012653/0509 Effective DATE 20020214
2010-10-25	USREMI	MAINTENANCE FEE REMINDER MAILED
2011-03-20	USLAPS-	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES
2011-05-10	USFP	-EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE Effective DATE 20110320

US 2007172937A1 - 2007-07-26

Priority Data

US 72572807A 2007-03-20
US 62006000A 2000-07-21
US 13440398A 1998-08-14
US 36386894A 1994-12-27
US 1365893A 1993-02-04

US 94629092A 1992-09-17
US 62422790A 1990-12-07
US 35206289A 1989-05-15
US 23909988A 1988-08-31

For this number no legal information is available.

WO 9002193A1 - 1990-03-08

Priority Data

US 35206289A 1989-05-15
US 23909988A 1988-08-31

Status Date Code Description

1990-03- WOWWE+ WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
01 Ref Document Number 1989909966
Country of Ref Document EP
1990-03- WOAK + DESIGNATED STATES
08 Kind Code of Ref Document A1
Designated State(s) BG BR HU JP KP KR RO SU
1990-03- WOAL + DESIGNATED COUNTRIES FOR REGIONAL PATENTS
08 Kind Code of Ref Document A1
Designated State(s) AT BE CH DE FR GB IT LU NL SE
1991-06- WOWWP+ WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
12 Ref Document Number 1989909966
Country of Ref Document EP
1993-11- WOWWW-WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE
11 Ref Document Number 1989909966
Country of Ref Document EP

WO 9210561A1 - 1992-06-25

Priority Data

US 62422790A 1990-12-07

Status Date Code Description

1992-06- WOAK + DESIGNATED STATES
25 Kind Code of Ref Document A1
Designated State(s) AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR
LK LU MG MN MW NL NO PL RO SD SE SU
1992-06- WOAL + DESIGNATED COUNTRIES FOR REGIONAL PATENTS
25 Kind Code of Ref Document A1
Designated State(s) AT BE BF BJ CF CG CH CI CM DE DK ES FR GA GB GN GR
IT LU MC ML MR NL SE SN TD TG
1992-11- WODFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF
26 19TH MONTH FROM PRIORITY DATE (PCT APPLICATION FILED BEFORE
20040101)
1993-06- WOWWE+ WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
04 Ref Document Number 932559
Country of Ref Document FI
1993-06- WOWWE+ WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
04 Ref Document Number 2097803
Country of Ref Document CA
1993-07- WOWWE+ WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
06 Ref Document Number 1992901454
Country of Ref Document EP
1993-09- WOWWP+ WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
22 Ref Document Number 1992901454
Country of Ref Document EP
1993-09- WOREG REFERENCE TO NATIONAL CODE
30 Ref Country Code DE Ref Legal Event Code 8642 (IMPACT ABOLISHED FOR DE -
I.E. PCT APPL. NOT ENT. GERMAN PHASE)
1999-03- WOWWG+ WIPO INFORMATION: GRANT IN NATIONAL OFFICE
17 Ref Document Number 1992901454
Country of Ref Document EP
2003-08- WOWWG+ WIPO INFORMATION: GRANT IN NATIONAL OFFICE
15 Ref Document Number 932559
Country of Ref Document FI

WO 9216615A1 - 1992-10-01**Priority Data**

US 84634492A 1992-03-06

US 67082191A 1991-03-18

Status Date Code Description

1992-10-01 WOAK + DESIGNATED STATES
Kind Code of Ref Document A1
Designated State(s) AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR LK LU MG MN MW NL NO PL RO RU SD SE US

1992-10-01 WOAL + DESIGNATED COUNTRIES FOR REGIONAL PATENTS
Kind Code of Ref Document A1
Designated State(s) AT BE BF BJ CF CG CH CI CM DE DK ES FR GA GB GN GR IT LU MC ML MR NL SE SN TD TG

1992-11-12 WODFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE (PCT APPLICATION FILED BEFORE 20040101)

1993-05-27 WOEX32 EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION
Ref Country Code UA

1993-06-10 WOLE32 LATER ELECTION FOR INTERNATIONAL APPLICATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE OR ACCORDING TO RULE 3
Ref Country Code UA

1993-08-05 WOLE32 LATER ELECTION FOR INTERNATIONAL APPLICATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE OR ACCORDING TO RULE 3
Ref Country Code UA

1993-09-16 WOWWE+ WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
Ref Document Number 2106377
Country of Ref Document CA

1993-09-17 WOWWE+ WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
Ref Document Number 934087
Country of Ref Document FI

1993-10-15 WOWWE+ WIPO INFORMATION: ENTRY INTO NATIONAL PHASE
Ref Document Number 1992910933
Country of Ref Document EP

1994-01-05 WOWWP+ WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE
Ref Document Number 1992910933
Country of Ref Document EP

1994-01-27 WOREG REFERENCE TO NATIONAL CODE
Ref Country Code DE Ref Legal Event Code 8642 (IMPACT ABOLISHED FOR DE - I.E. PCT APPL. NOT ENT. GERMAN PHASE)

2001-02-28 WOWWG+ WIPO INFORMATION: GRANT IN NATIONAL OFFICE
Ref Document Number 1992910933
Country of Ref Document EP

WO 9406924A1 - 1994-03-31**Priority Data**

US 2605193A 1993-03-05

US 94629092A 1992-09-17

Status Date Code Description

1994-03-31 WOAK + DESIGNATED STATES
Kind Code of Ref Document A1
Designated State(s) AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US VN

1994-03-31 WOAL + DESIGNATED COUNTRIES FOR REGIONAL PATENTS
Kind Code of Ref Document A1
Designated State(s) AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

1994-05-26 WOCOP CORRECTED VERSION OF PAMPHLET
Free Format Text PAGES 1/22-22/22, DRAWINGS, REPLACED BY NEW PAGES 1/23-23/23; DUE TO LATE TRANSMITTAL BY THE RECEIVING OFFICE

1994-06-23 WODFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE (PCT APPLICATION FILED BEFORE 20040101)

1994-07-13 WO121 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION

1995-07- WOREG REFERENCE TO NATIONAL CODE
 27 Ref Country Code DE Ref Legal Event Code 8642 (IMPACT ABOLISHED FOR DE -
 I.E. PCT APPL. NOT ENT. GERMAN PHASE)
 1996-02- WO122 -EP: PCT APP. NOT ENT. EUROP. PHASE
 07
 1996-05- WONENP NON-ENTRY INTO THE NATIONAL PHASE IN:
 17 Ref Country Code CA
 1996-08- WO122 -EP: PCT APP. NOT ENT. EUROP. PHASE
 14

WO 9527064A1 - 1995-10-12

Priority Data

US 22007294A 1994-03-30

Status Date Code Description

1995-10- WOAK + DESIGNATED STATES
 12 Kind Code of Ref Document A1
 Designated State(s) AM AU BB BG BR BY CA CN CZ EE FI GE HU IS JP KG KP
 KR KZ LK LR LT LV MD MG MN MW MX NO NZ PL RO RU SG SI SK TJ TT UA UZ
 VN
 1995-10- WOAL + DESIGNATED COUNTRIES FOR REGIONAL PATENTS
 12 Kind Code of Ref Document A1
 Designated State(s) KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU
 MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
 1995-12- WO121 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS
 20 APPLICATION
 1995-12- WODFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF
 21 19TH MONTH FROM PRIORITY DATE (PCT APPLICATION FILED BEFORE
 20040101)
 1997-07- WO122 -EP: PCT APP. NOT ENT. EUROP. PHASE
 16
 1997-11- WONENP NON-ENTRY INTO THE NATIONAL PHASE IN:
 30 Ref Country Code CA