

CLAIMS[®]/Current Patent Legal Status

FILE DESCRIPTION

CLAIMS[®]/Current Patent Legal Status, provided by IFI CLAIMS Patent Services, contains post-issuance legal status information for U.S. patents. The information is obtained from the U.S. Patent & Trademark Office and from the USPTO *Official Gazette*. Coverage includes: certificates of correction, reassignment, reexamination requests and certificates, extensions, expirations, reinstatements, reissue requests, adverse decisions on interference actions, and disclaimer/ dedication data.

Certificate of Correction: Minor corrections that do not necessitate republication of the patent document are reported in certificate(s) of correction.

Reassignment: Ownership rights to a patent may be transferred from the original or current assignee to another company or individual. Reassignment actions are usually recorded with the U.S. Patent & Trademark Office.

Extensions: In special cases, such as pharmaceutical patents, the normal term for a patent may be extended if the time needed for federal approval of a product has effectively shortened the normal patent protection time period.

Expirations: A patent expires early when the normal maintenance fees are not paid to the U.S. Patent and Trademark Office. (This database does not cover patents that have expired at the end of their normal 17/20-year life.)

Reinstatement: Expired patents may be reinstated if late payment of the maintenance fees is accepted.

Requests for Reexamination and Reexamined Patents: If substantial new questions are raised regarding the patentability of a patent's claims, a request for reexamination can be filed with the U.S. Patent and Trademark Office. The database includes notices of requests for reexamination as well as the reexamination results.

Reissue Requests: Patents may be reissued if the changes are substantial enough to necessitate republication rather than issuance of correction notices. Reissue requests are recorded in File 123, but reissue patent records can be found in File 340.

Adverse Decisions: Interference actions resulting in adverse decisions will adversely affect patent owners' rights to the patent.

Disclaimers and Dedications; Patent owners may disclaim their rights to part or all of their patent, placing it in the public domain.

All records contain the original patent assignee, patent number, and publication date. Reassignment data consists of the former assignee (i.e., assignor), new assignee, reassignment action (e.g., full interest, quarter interest, etc.), date of reassignment, reel and frame number of the USPTO microfilm record, and the correspondence address. Other post-issuance status information typically contains the date of the legal action, the date it was recorded in the *Official Gazette* and any additional applicable

information such as request number, descriptive text, etc. Reexamination records also contain the text of any modified claims.

SUBJECT COVERAGE

This database includes all U.S. patents for which post-issuance legal status changes described above have been reported.

TIPS

SELECT DT=REASSIGNED

To restrict a search to reassignment records.

Use MAP PN TEMP

To save patent numbers for searching in other files.

Use RANK

For statistical analysis of patent assignees

RANK PA,RA

SELECT CO=name

To search companies whose patents are affected by legal status changes

Create a DIALOG Alert

To receive the latest status changes for a patent.

DIALOG FILE DATA

Inclusive Dates: 1980+

Update Frequency: Weekly

File Size: 1.6 million records as of October 2005

CONTACT

The CLAIMS/Current Patent Legal Status file is provided by IFI CLAIMS Patent Services. Questions concerning file content should be directed to:

IFI CLAIMS Patent Services
3202 Kirkwood Highway
Wilmington, DE 19808

Phone: 302-998-0478
Toll Free: 800-331-4955
Fax: 302-998-0733
E-Mail: info@ificlaims.com

CLAIMS®/Current Patent Legal Status

SAMPLE RECORD - REASSIGNMENT DATA

DIALOG(R)File 123:CLAIMS(R)/Current Legal Status
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2047605

DT=

Status Changes:

REASSIGNED
DISCLAIMER/DEDICATION
REISSUE REQUESTED

Assignee: Goble, E Marlowe; McGuire, David; Somers, W Karl (REASSIGNED)

Patent	Issue
Number	Date

PN=, PD=

Patent: US 4927421 19900522

RD=

Reassignment:

Recorded: 19930329

RK=

Action: ASSIGNMENT OF ASSIGNORS INTEREST.

RG=, CO=

Assignor: SOMERS, W. KARL DATE SIGNED: 03/10/1993

RA=, CO=

Assignee: GOBLE, E. MARLOWE 850 E. 1200 NORTH LOGAN, UTAH 84321
MCGUIRE, DAVID 3418 LAKESIDE DRIVE ANCHORAGE, ALASKA 99515

RR=

Reel: 006472

FF=

Frame: 0463

Contact: BROMBERG & SUNSTEIN BRUCE D. SUNSTEIN 10 WEST STREET BOSTON,
MASSACHUSETTS 02111

Recorded: 19970815

Action: ASSIGNMENT OF PATENT LICENSES

Assignor: MEDICINE LODGE, INC. DATE SIGNED: 06/27/1997

Assignee: INNOVASIVE ACQUISITION CORP. 734 FOREST STREET MARLBORO,
MASSACHUSETTS 01752

Reel: 008650

Frame: 0628

Contact: CHOATE, HALL & STEWART KEVIN M. TORMEY EXCHANGE PLACE 53 STATE
STREET BOSTON, MA 02109

Disclaimers and Dedications:

Action	Recorded	
Date	in OG	Action

DD=, OG=, /TX

19930329 19941018 Hereby enters this disclaimer to claim 1 of said
patent.

Reissue Requested:

Request	Request	Recorded	Exam.	Reissue
Number	Date	in OG	Group	Patent No.

SN=, SD=, OG=, EX=, PN=

07/887200 19920521 19921020 3301 US RE34871

SAMPLE RECORD - CERTIFICATE OF CORRECTION DATES

DIALOG(R)File 123:CLAIMS(R)/Current Legal Status
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2885703

DT=
PA=, CO=

Status Changes:

REEXAMINATION REQUESTED
CERTIFICATE OF CORRECTION

Assignee: Shimano Corp JP

Patent	Issue
Number	Date

PN=, PD=

Patent: US D384017 19970923

CD=

Certificate of Correction Date(s): 19980428

Reexamination Requested:

Request	Request	Recorded	
Number	Date	in OG	Requestor

RN=, RE=, OG=, RQ=, RL=

90/004911 19980209 19980414 Shimano, Inc., Osaka, Japan

CLAIMS®/Current Patent Legal Status

SAMPLE RECORD - REEXAMINATION & OTHER STATUS

DIALOG(R)File 123:CLAIMS(R)/Current Legal Status
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2181255

Status Changes:

- EXPIRED
- REINSTATED
- REASSIGNED
- REEXAMINED
- ADVERSE DECISION
- REEXAMINATION REQUESTED

DT=

PA=, CO=

Assignee: Nalco Fuel Tech (REASSIGNED)

Patent	Issue
Number	Date

PN=, PD=

Patent: US 5048432 19910917

Expired/Reinstated:

Expiration Recorded	Reinstated Recorded
Date in OG	Date in OG

ED=, OG=, ID=

19950920	<u>19951128</u>	19960627	<u>19960903</u>
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Reassignment:

Recorded: 19940228

Action: ASSIGNMENT OF ASSIGNOR'S INTEREST
(...)

Adverse Decision:

Decision	Recorded	Interference
Date	in OG	No. Decision

VD=, OG=, VN=, /TX

19950118	19950516	103134	claims 1-3,7-10 and 13-15
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Reexamination:

Request	Request	Recorded	Certif.	Certif.	Sequen.
Number	Date	in OG	Number	Date	Number Requestor

RN=, RE=, RC=, PD=, RQ=, RL=

90/002629	19920218	19920324	<u>B15048432</u>	19960702	<u>2942nd</u>	Nalco Fuel Tech
Naperville, IL US						

Claim:

/TX

AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT: Claims 3,4,11 and 16 are cancelled. Claims 1,10, 12,15 and 17 are determined to be patentable as amended. Claims 2,5-9,13 and 14, dependent on an amended claim, are determined to be patentable. 1. A process for the reduction of nitrous oxide in the effluent from the combustion of a carbonaceous fuel, the process comprising: a) forming an effluent in a circulating fluidized bed boiler by combustion of a carbonaceous fuel; and b) raising the temperature of said effluent to a temperature of at least about 1700 degree F. by burning a fuel by means of a burner, when said effluent is at a temperature below about 1700 degree F.

SAMPLE RECORD - EXTENSION DATA

DIALOG(R)File 123:CLAIMS(R)/Current Legal Status
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2475348

Status Changes:

- EXTENDED

DT=

PA=, CO=

Assignee: Cytogen Corp

Patent	Issue
Number	Date

PN=, PD=

Patent: US 5162504 19921110

Extended:

Extension Recorded	Original	New	Extension Length
Date in OG	Expirat.	Expirat.	and Trade Name

XD=, OG=, ED=, NA=, /NA

19980827	19980922	20091110	20120928	352 days	<u>ProstaScint (capromab pendetide)</u>
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SEARCH OPTIONS

BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
— /NA /TX	— NA TX	All Basic Index Fields Trade Name Text of Reexamination Claim, Adverse Decision, and Disclaimer/Dedication	Word Word Word	S PATENTABLE(2W)AMEND? S CAPROMAB(W)PENDETIDE/NA S CARBONACEOUS(W)FUEL?/TX

ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
MAIN PATENT				
— DT= PA= PD= PN= PY= UD=	AZ DT PA PD PN PY UD	DIALOG Accession Number Legal Document Type ¹ Original Patent Assignee ² Publication Date ³ Patent Number Publication Year Update	Phrase Word & Phrase Phrase Phrase Phrase Phrase	S DT=EXPIRED S DT=CERTIFICATE OF CORRECTION S PA=(LEO(W)PHARMACEUTICAL) S PA=LEO PHARMACEUTICAL? S PD=19900522 S PN=US 5048432 S PN=US RE31244 S PN=US D384017 S PY=1994 S UD=9999
REASSIGNMENT DATA				
CO= FF= RA= RD= RG= RK= RR= RY= UR=	CO FF RA RD RG RK RR RD UR	All Patent Assignees, past and present Reassignment Microfilm Frame New Patent Assignee ² Reassignment Date recorded by USPTO ³ Assignor ² Reassignment Kind Reassignment Microfilm Reel Reassignment Year recorded by USPTO Update - Reassignment	Word & Phrase Phrase Word & Phrase Word & Word & Phrase Phrase Phrase Phrase	S CO=(NALCO(W)FUEL(W)TECH?) S CO=MEDICINE LODGE? S FF=0628 S RA=(INNOVASIVE(W)ACQUISITION) S RA=INNOVASIVE ACQUISITION? S RD=19970815 S RG=(MEDICINE(W)LODGE) S RG=MEDICINE LODGE? S RK=(ASSIGNOR?(2W)INTEREST?) S RK=ASSIGNMENT OF PATENT LICENSE? S RR=008650 S RY=1997 S UR=19980915
POST-ISSUANCE LEGAL STATUS				
CD= CY= DD= DY= ED= EY= ID= IY= NA= OG= PD= PN= PY= RC= RE= RL= RN= RQ= RX= SD= SN=	CD CD DD DD ED ED ID ID NA OG PD PN PY RC RE RL RN RQ RE SD SN	Certificate of Correction Date ^{3,4} Certificate of Correction Year Disclaimer/Dedication Date ³ Disclaimer/Dedication Year Expiration Date ^{3,6} Expiration Year ⁶ Reinstatement Date ³ Reinstatement Year Trade Name Date Recorded in USPTO Official Gazette ^{3,5} Reexamination Certificate Date ³ Reissue Patent Number Reexamination Certificate Year Reexamination Certificate Number and Sequence Reexamination Request Date ³ Reexamination Requestor City and State/Country Code Reexamination Request Number Reexamination Requestor Name Reexamination Request Year Reissue Request Date ³ Reissue Request Number	Phrase Phrase Phrase Phrase Phrase Phrase Phrase Phrase Phrase Phrase Phrase Word Phrase Word & Phrase Phrase Word & Phrase Phrase Phrase Phrase Phrase Phrase Phrase	S CD=19980428 S CY=1998 S DD=19930329 S DY=1993 S ED=19950920 S ED=20091110/OR S ED=20120928/NW S EY=1995 S EY=2009/OR S EY=2010/NW S ID=19960627 S IY=1996 S NA=PROSTASCINT? S OG=19920324 S PD=19960702 S PN=US RE34871 S PY=1996 S RC=B15048432 S RC=2942ND? S RE=19920218 S RL=(NAPERVILLE(W)IL) S RL=NAPERVILLE IL? S RN="90/002629" S RN=90002629 S RQ=(NALCO(W)FUEL(W)TECH?) S RQ=COMMISSIONER? S RQ=NALCO FUEL TECH? S RX=1992 S SD=19920521 S SN="07/887200" S SN=07887200

ADDITIONAL INDEXES (cont'd)

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
SY=	SD	Reissue Request Year	Phrase	S SY=1992
UC=	UC	Update - Certificate of Correction	Phrase	S UC=19981201
UL=	UL	Update - Legal Status	Phrase	S UL=19981201
VD=	VD	Adverse Decision Date ³	Phrase	S VD=19950118
VN=	VN	Adverse Decision Number	Phrase	S VN=103134
VY=	VD	Adverse Decision Year	Phrase	S VY=1995
XD=	XD	Extension Date ³	Phrase	S XD=19910305
XY=	XD	Extension Year	Phrase	S XY=1991
YG=	OG	Year Recorded in OG ⁵	Phrase	S YG=1996

¹ Document types include: Adverse Decision, Certificate of Correction, Disclaimer/Dedication, Expired, Extended, Reassigned, Reissue Requested, Reexamination Requested, Reexamined, Reinstated.

² Also searchable with CO=.

³ All date fields may be searched with 8 digits, e.g. S PD=19981208, or with 6 digits, e.g., S PD=981208.

⁴ Available from February 1998 forward.

⁵ Used for recording all legal status changes (except reassignment) with the USPTO.

⁶ For expiration dates pertaining to extensions, use the qualifiers /OR to search the original expiration date, or /NW to search the new expiration date, e.g., S ED=20091110/OR.

SPECIAL FEATURES

For command descriptions, enter HELP SORT, HELP RANK, HELP MAP, HELP IDPAT online.

SORT	PA, PD, PN	SORT S5/ALL/PA/PD PRINT S2/5/ALL/PD,D
RANK	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked.	RANK PA,RA
MAP	NA, PA, PN	MAP PA TEMP STEPS S6
IDPAT	Identify patent duplicates and display all or selected patent groups.	IDPAT IDPAT S1 SHORT

PREDEFINED FORMAT OPTIONS

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	Full Record except Reexamination Claim
3	Medium	Full Record except Reexamination Claim
4	--	Reassignment Data
5	--	Full Record
6	Short	Patent Number and Data Type
7	Long	Full Record
8	--	Patent Number; Data Type; Expiration, Reinstatement or Extension Date(s); and Official Gazette Date(s)
9	Full	Full Record
K	--	KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats

OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP UDF, HELP TAG online.

USER DEFINED FORMATS	User-defined formats can be specified using the display codes indicated in the Search Options tables.	TYPE S6/PN,RD/1-5
TAG	Output can be displayed with tags identifying each field.	TYPE S2/3/1-5 TAG
DIRECT RECORD ACCESS	DIALOG Accession Number	TYPE 1306761/5 DISPLAY 1482578/PA,RQ PRINT 1933780/2

FOR ONLINE HELP:

See HELP FIELDS 123 for searchable fields; HELP FORMAT 123 for output formats; HELP LIMIT 123 for limits; HELP RATES 123 for cost information; HELP SORT 123 for sorts.