Form PTO-1595 (Modified) (Rev.3-01)	// HUM_DAAA	`Docket No.: 2000.00 4
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OMB No. 0651-0027		Patent and Tracement
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To the Honorable Commissioner of Patents and T	rademarks: Please record the attached	original documents or copy the
Randy C. Tolman David A. Kinison	2. Name and address	of receiving party(ies):
Kris J. Nygaard	Address:	
Timothy J. Hall	P. O. Box 2189	
Jeffrey R. Bailey		
Additional name(s) of conveying party(ies) Yes	✓ No	
3. Nature of conveyance:		
Assignment I Merger	City: Houston	State: TX Zip: 77252-2189
Other:	Country: USA	
Execution Date: June 18, 2002	Additional name(s) & addr	ess(es) attached? 🗌 Yes 🖾 No
Additional nu		
	ce 6. Total number of appl	lications and patents involved: 1
. Name and address of party to whom corresponden	ce 6. Total number of appl	
Name and address of party to whom correspondent concerning document should be mailed: Name: <u>Gary D. Lawson</u>	ce 6. Total number of appl 7. Total fee (37 CFR 3.	lications and patents involved: 1
Name and address of party to whom correspondent concerning document should be mailed: lame: <u>Gary D. Lawson</u> Registration No. <u>27,696</u>	Ce 6. Total number of appl 7. Total fee (37 CFR 3. Enclosed – Any credited or debite	lications and patents involved: 1 42):
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5. Name and address of party to whom correspondent concerning document should be mailed: Name: Gary D. Lawson Registration No. 27,696 Address ExxonMobil Upstream Research O P. O. Box 2189 P. O. Box 2189 City: Houston State: TX Zip: 772 O2/2002 LAUELLER 00000264 051328 10173918 D FC:581 40.00 CH D 9. Statement and signature. To the best of my knowledge and belief, the formation of the best of my knowledge and belief.	Ce 6. Total number of appl 7. Total fee (37 CFR 3. Image: Company Enclosed – Any model Company Authorized to be 8. Deposit account num 52-2189 O NOT USE THIS SPACE	lications and patents involved: 1 42):\$40.00 excess or insufficiency should be ed to deposit account charged to deposit account nber: 05-1328
5. Name and address of party to whom correspondent concerning document should be mailed: Name: <u>Gary D. Lawson</u> Registration No. <u>27,696</u> Address <u>ExxonMobil Upstream Research (P. O. Box 2189</u> City: <u>Houston</u> State: <u>TX</u> Zip: <u>772</u> <u>722/2002 LAUELLER 00000284 051328 10173918</u> D	Ce 6. Total number of appl 7. Total fee (37 CFR 3. Image: Company Enclosed – Any model Company Authorized to be 8. Deposit account num 52-2189 O NOT USE THIS SPACE	lications and patents involved: 1 42):\$40.00 excess or insufficiency should be ed to deposit account charged to deposit account nber: 05-1328 et and any attached copy is a true copy
December 2010 Name and address of party to whom correspondent concerning document should be mailed: Name: Gary D. Lawson Registration No. 27,696 Address ExxonMobil Upstream Research O P. O. Box 2189 P. O. Box 2189 City: Houston State: TX Zip: 772 O2/2002 LNUELLER 00000284 051328 10173918 D FC:581 40.00 CH D Statement and signature. To the best of my knowledge and belief, the formation of the best of my knowledge and belief.	Ce 6. Total number of appl 7. Total fee (37 CFR 3. Image: Company Enclosed – Any model Company Authorized to be 8. Deposit account num 52-2189 O NOT USE THIS SPACE	lications and patents involved: 1 42):\$40.00 excess or insufficiency should be ed to deposit account charged to deposit account nber: 05-1328 et and any attached copy is a true copy June 18, 2002
5. Name and address of party to whom correspondent concerning document should be mailed: Name: Gary D. Lawson Registration No. 27,696 Address ExxonMobil Upstream Research O P. O. Box 2189 P. O. Box 2189 City: Houston State: TX Zip: 772 02/2002 LMUELLER 00000284 051328 10173918 D FC:581 40.00 CH D D Statement and signature. To the best of my knowledge and belief, the for of the original document. To the for one of the original document.	Ce 6. Total number of appl 7. Total fee (37 CFR 3. Image: Company Enclosed – Any model Company Authorized to be 8. Deposit account num 52-2189 O NOT USE THIS SPACE	lications and patents involved: 1 42):\$40.00 excess or insufficiency should be ed to deposit account charged to deposit account nber: 05-1328 et and any attached copy is a true copy

PATENT REEL: 013038 FRAME: 0531

ASSIGNMENT

Inventor or Inventors: Randy C. Tolman, David A. Kinison, Kris J. Nygaard, William A. Sorem, Timothy J. Hall, Jeffrey R. Bailey

In consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned person(s) named above, (hereinafter referred to as UNDERSIGNED) hereby agree(s) as follows:

UNDERSIGNED hereby assign(s) to ExxonMobil Upstream Research Company, a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED'S invention, discovery or improvement, described in United States patent application identified as **Perforating Gun Assembly for Use in Multi-Stage Stimulation Operations**, Attorney Docket **2000.004**, which application we have executed concurrently herewith on the date(s) set forth below and in and to said application for patent and any United States patent or patents that may be granted thereon.

UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for United States patent for said invention, discovery or improvement, and any continuations of such applications or substitutes therefor, and any lawful oaths, affidavits, or other papers relating thereto, and any specific separate assignments of any of the above required for recording in the United States Patent Office, that ASSIGNEE may deem necessary or expedient.

UNDERSIGNED agree(s) that in the event of any application based on said assigned invention, discovery or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in interference proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing preliminary statements and giving and producing evidence in support thereof.

UNDERSIGNED agree(s) upon request of ASSIGNEE to execute any and all documents that shall be required of UNDERSIGNED to be executed in connection with any and all applications for foreign patents for said invention, discovery or improvement, including the prosecution thereof and the claiming of the International Convention date therefor and for registration in foreign countries of any patents that may be granted for said invention, discovery or improvement.

UNDERSIGNED agree(s) to perform upon request of ASSIGNEE any and all affirmative acts to obtain United States and foreign patents upon said invention, discovery or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S name.

DATE

DATE 6/18/02

dv C. Tolman Date

PATENT REEL: 013038 FRAME: 0532

DATE June 18, 2002

gand King V. 1

Maynet Theward 6-18-02 Witness Date

DATE June 18, 2002

Million a forem

Margaret Thewach 6-18-00 Witness Date

DATE June 18, 2002

mothy J. Hall Margaret mersch 6-18-02 Incss Date

DATE June 18, 2002

Jeffrey R. Bailey Jeffrey R. Bailey Marguet Thewsich 6-18-02 Witness Date