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pires 06/30/99
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08-22-2000

U.S. Department of Commerce
Patent and Trademark Office
PATENT



101438549

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MRD 7.26.00

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- Assignment
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 - Merger
 - Security Agreement
 - Change of Name
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Execution Date
Month Day Year

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08/21/2000 MTHAI1 00000350 5221327
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PATENT
REEL: 010996 FRAME: 0827

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Area Code and Telephone Number

Name

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Pages

Enter the total number of pages of the attached conveyance document including any attachments. #

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

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<input type="text" value="5221327"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="5248329"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="5283192"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

Number of Properties

Enter the total number of properties involved. #

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed Deposit Account

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

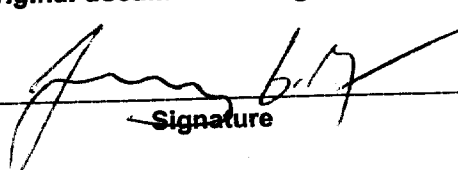
Deposit Account Number: #

Authorization to charge additional fees: Yes No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Lanning G. Bryer, Esq.
Name of Person Signing


Signature

7/24/00
Date

UNITED STATES OF AMERICA

ASSIGNMENT

=====

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to **METALLURGICAL AND BIOLOGICAL EXTRACTION SYSTEMS, INC.**, (hereinafter called the "ASSIGNOR"), a corporation organized under the laws of the State of Nevada, United States of America, located at 325 S. Euclid Avenue, Suite 123, Tucson, Arizona 85719, United States of America, by **PHILLIPS PETROLEUM COMPANY**, (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, United States of America, having a principal place of business in Bartlesville, Oklahoma 74004, United States of America, receipt of which is hereby acknowledged, the ASSIGNOR hereby sells, assigns, and transfers, subject to the conditions provided hereinafter, to ASSIGNEE, its successors and assigns, all of the right (including the right to sue for past infringement), title, and interest of the ASSIGNOR in and to the U.S. Patents set forth on the attached schedule, the same to be held and enjoyed by the ASSIGNEE, its successors and assigns, to the full end of the term of said Letters Patent, as the same would have been held and enjoyed by the ASSIGNOR had this assignment and sale not been made, said rights including the right to sue for past infringement of said Letters Patent.

By the above assignment, the ASSIGNOR also hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns, the right to apply for patents in countries outside the United States corresponding to said U.S. patents including the right to claim priority from the aforesaid U.S. patents under the provisions of the laws of the International Convention or reciprocal agreements with the foreign countries.

By the above assignment, the ASSIGNEE also enjoys the right to sell, assign and transfer all of the right, title and interest in the aforementioned U.S. and any corresponding foreign patent applications to a further ASSIGNEE.

This assignment is made and shall be subject to the agreement dated October 6, 1999 between the ASSIGNOR and ASSIGNEE.

The ASSIGNOR authorizes and request the U.S. Commissioner of Patents and Trademarks or foreign equivalent thereof to issue any and all Letters Patent resulting from any division, re-examinations, reissues, continuations in whole or in part, and extensions of the herein assigned patents to the ASSIGNEE as the ASSIGNEE of the ASSIGNOR's interest therein.

IN WITNESS WHEREOF, the ASSIGNOR has caused these presents to be executed in Tucson, Arizona by a duly authorized corporate officer and its corporate seal to be hereunto affixed and attested, all as of the 12 day of MAY, 2000.

**METALLURGICAL AND BIOLOGICAL
EXTRACTION SYSTEMS, INC.**

[Corporate Seal]

By Margaret R. Sharp
Signature
Typed Name: MARGARET R. SHARP
Title: Secretary/Treasurer

Attest:

Name of Officer: Tom L. Young
Signature
Typed Name: Tom L. Young
Title of Officer: Vice. President

We have accepted the above Assignment.

PHILLIPS PETROLEUM COMPANY

[Corporate Seal]

By C. W. Stewart
Signature
C. W. Stewart
Typed Name: Attorney-in-Fact
Title: _____

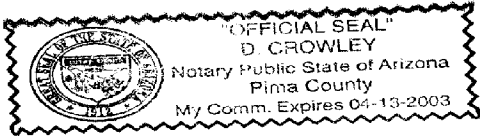
C O R P O R A T E A C K N O W L E D G M E N T

UNITED STATES OF AMERICA]
]
STATE OF *Arizona*] SS:
]
COUNTY OF *Pima*]

On this *12* day of *May*, 2000, before me personally appeared *Margaretta R Shaw* to me known, who, being by me duly sworn, did depose and say that he/she is the *Secretary/Treasurer* of the corporation described in and which executed the foregoing instrument; that he/she knows the seal of said corporation; that the said seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he/she signed his/her name thereto by like order.

D. Crowley

Notary Public



[Seal]

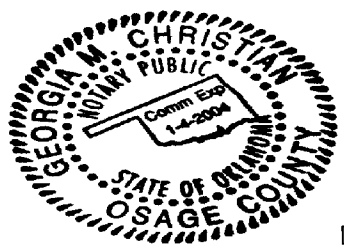
C O R P O R A T E A C K N O W L E D G M E N T

UNITED STATES OF AMERICA]
]]
STATE OF *Oklahoma*] SS:
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COUNTY OF *Osage*]

On this *5th* day of *June*, 2000, before me personally appeared *Charles W. Stewart* to me known, who, being by me duly sworn, did depose and say that he/~~she~~ is the *Attorney-in-Fact* of the corporation described in and which executed the foregoing instrument; that he/~~she~~ knows the seal of said corporation; that the said seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he/~~she~~ signed his/~~her~~ name thereto by like order.

Georgia M. Christian

Notary Public



[Seal]

S C H E D U L E

PATENT NOS.

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