

06-22-2001



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Execution Date
Month Day Year
May 19, 2001

Execution Date
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May 19, 2001

Name (line 1) Armin Lovenich

Name (line 2)

Second Party Gerold Neumann

Name (line 1)

Name (line 2)

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Name (line 1) RAG Aktiengesellschaft

Name (line 2)

Address (line 1) Rellinghauser Strasse 1-11

Address (line 2)

Address (line 3)

Essen
city

/Germany
State/Country

D-45128
Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

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Evelyn L. Stump, Secretary

PATENT

REEL: 011905 FRAME: 0137

Correspondent Name and Address Area Code and Telephone Number 505 286 3511

Name Robert W. Becker & Associates

Address (line 1) 11896 N Hwy 14

Address (line 2) Suite B

Address (line 3) Tijeras, New Mexico 87059

Address (line 4)

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Application Number(s) or Patent Number(s) () Mark if additional numbers attached

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Patent Application Number(s)

Patent Number(s)

US 09/786,488

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 Treat (PCT)

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

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Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

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Evelyn L. Stump
Name of Person Signing

Evelyn L. Stump
Signature

May 30, 2001
Date

11987

ASSIGNMENT

WHEREAS, I, we Armin Lovenich, Furst-Bentheim-Strasse 40, D-46519
Alpen, Germany and Hans-Joachim Doering, Hardenbergstrasse 3,
D-40882 Ratingen, Germany

have invented an improvement in METHOD FOR THE IN-SITU
EXTRACTION OF GAS FROM COAL SEAMS

for which an application for Letters Patent of the United
States

() is being made herewith,

(X) was filed on March 2, 2001 under Serial No. 09/786,488

AND WHEREAS, RAG Aktiengesellschaft, Rellinghauser
Strasse 1-11, D-45128 Essen, Germany

is desirous of acquiring an interest in the same;

Now, therefore, in consideration of One Dollar and other
good and valuable considerations, the receipt whereof is hereby
acknowledged, I, we hereby assign, sell and set over unto the
said

RAG Aktiengesellschaft

its assigns and legal representatives, all the right, title and
interest in and to said invention for the United States and its
territories, and in and to said Letters Patent, continuations,
divisions, reissues and extensions thereof in the United States
and hereby request that said Letters Patent issue accordingly.
For said considerations, I, we Armin Lovenich and Hans-

Joachim Doering

agree to execute all papers that may be necessary to file
applications in the United States for said invention and to
assign the same to said RAG Aktiengesellschaft

or any assignee acquiring title to said invention and to
execute any other papers that may be needed in connection with
filing said applications and securing patents thereon.

In Testimony whereof, this agreement is being executed
this 19th day of May 2001

Hans-Joachim Doering
