

10-01-2003



Form PTO-1595

(Rev. 03/01)

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PATENTS ONLYDEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Kim Aasberg-Petersen, Ib Dybkjaer, Peter S. Christiansen, Thomas Rostrup-Nielsen, Niels Erikstrup, and Jens-Henrik B. Hansen

Additional name(s) of conveying party(ies) attached?

☐ Yes☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: August 28, 2003

2. Name and address of receiving party(ies)

Name: HALDOR TOPSOE A/S

Internal Address:

Street Address:

Nymollevvej 55

P.O. Box 213

DK-2800 Lyngby

Denmark

City:

Country:

Zip:

Additional name(s) & address(es) attached:

☐ Yes☒ No

4. Application number(s) or patent number(s):

101667389

If this document is being filed together with a new application, the execution date of the new application is: August 28, 2003

A. Patent Application No.(s):

This application

B. Patent No.(s):

Additional numbers attached?

☐ Yes☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Stephen A. Soffen

DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP

Internal Address: Atty. Dkt.: H0610.0352/P352

Street Address:

2101 L Street NW

City:

Washington

State:

DC

Zip:

20037-1526

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41)

\$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account☒ Authorized to be charged to credit card
(Form 2038 enclosed)

8. Deposit account number:

04-1073

(Attach duplicate copy of this page if paying by deposit account)

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9. 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.

Stephen A. Soffen (31,063)

Name of Person Signing

Signature

September 23, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 5

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 28 day of August, 2003,
by Kim Aasberg-Petersen and Ib Dybkjær and Peter Seier Christensen and Thomas
Rostrup-Nielsen and Niels Erikstrup and Jens-Henrik Bak Hansen (hereinafter
referred to as Assignors), residing (please see enclosed "Information Sheet")

WHEREAS, Assignors have invented certain new and useful improvements in
"PROCESS FOR THE PRODUCTION OF SYNTHESIS GAS"
set forth in a Patent application for Letters Patent of
the United States, executed on even date herewith;
and

WHEREAS, HALDOR TOPSOE A/S, a Corporation organized under and
pursuant to the laws of Denmark having its principal place of business at Haldor Topsoe
A/S, Nymollevej 55, P.O. Box 213, DK-2800 Lyngby, DENMARK (hereinafter referred
to as Assignee), is desirous of acquiring the entire right, title and interest in and to said
inventions and said Application for Letters Patent of the United States, and in and to any
Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other
good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors
have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer
and set over, unto Assignee, its successors, legal representatives and assigns, the entire
right, title and interest in and to the above-mentioned inventions and application for
Letters Patent, and in and to any and all direct and indirect divisions, continuations and
continuations-in-parts of said application, and any and all Letters Patent in the United
States and all foreign countries which may be granted therefore and thereon, and reissues,
reexaminations and extensions of said Letters Patent, and all rights under the
International Convention for the Protection of Industrial Property, the same to be held

and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, titled and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patents of the United States to assignee, as Assignee of said inventions

and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP

Gary M. Hoffman	26,411	John C. Luce	34,378	Ellen S. Tao	43,383
Thomas J. D'Amico	28,371	Peter McGee	35,947	Gary L. Veron	39,057
Donald A. Gregory	28,954	Edward A. Meilman	24,735	Steven I. Weisburd	27,409
James W. Brady, Jr.	32,115	Edwin Oh	45,319	Mialeeka C. Williams-Bidds	48,037
Jon D. Grossman	32,699	William E. Powell, III	39,803	Jeremy A. Cubert	40,399
Mark J. Thronson	33,082	Steven Rubin	43,063	Gianni Minutoli	41,198
Eric Oliver	35,307	Michael J. Scheer	34,425	Michael Bergman	42,318
Laurence E. Fisher	37,131	Patrick T. Skacel	47,948	Salvatore P. Tamburo	45,153
Ryan H. Flax	48,141	Stephen A. Soffen	31,063	Peter A. Veytsman	45,920
Richard LaCava	41,135	Christopher M. Tanner	41,518	Christopher S. Chow	46,493

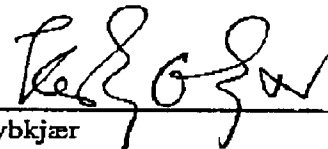
AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time invention was made.

Kgs. Lyngby, 28 August 2003


Date


Kim Aasberg-PetersenKgs. Lyngby, 28 August 2003

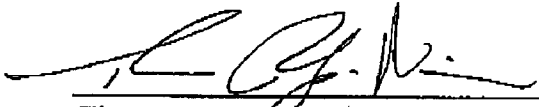
Date


Ib DybkjærKgs. Lyngby, 28 August 2003


Date


Peter Seier ChristensenKgs. Lyngby, 28 August 2003

Date


Thomas Rostrup-NielsenKgs. Lyngby, 28 August 2003

Date


Niels ErikstrupKgs. Lyngby, 28 August 2003

Date


Jens-Henrik Bak Hansen