

03-17-1999



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U.S. PATENT AND TRADEMARK OFFICE

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09/259198

Case Docket No. 98019

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

RECORDATION FORM COVER SHEET
PATENTS ONLY

MAD 3-1-99

To the Honorable Commissioner of Patents and Trademarks.
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Raymond M. Sturgulewski

Additional name(s) of conveying party(ies) attached? Yes No XX

2. Name and address of receiving party(ies):

Name: Pennsylvania Coke Technology, Inc.

Street Address:
101 N. Main Street
Greensburg, PA 15601

Additional name(s) & address(es) attached? Yes No XX

3. Nature of conveyance: Assignment

Execution Date: February 26, 1999

Title: Downcomer Valve For Non-recovery Coke Oven

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

If this document is being filed together with a new application, the
execution date of the application is: February 26, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No XX

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

Name: Armstrong, Westerman, Hattori,
McLeland & Naughton
Law and Finance Building
Suite 707, 429 Fourth Avenue
Pittsburgh, PA 15219

6. Total number of applications and patents involved: 1

PATENT
REEL: 9811 FRAME: 0888

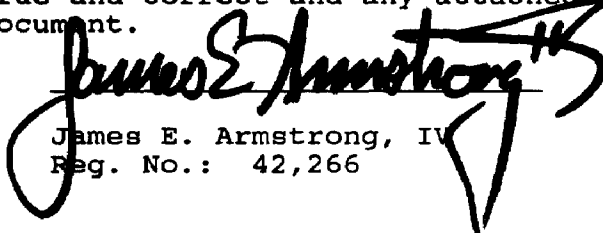
7. Total fee (37 CFR 3.41). \$ 40.00

XX Check enclosed

8. Deposit Account No.: 16-0485

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.



Date March 1, 1999

James E. Armstrong, IV
Reg. No.: 42,266

Total number of pages including cover sheet: 2

Rev. 9/94

Q:FORMS/ASSIGN.PTO

A S S I G N M E N T

WHEREAS I, Raymond M. Sturgulewski,
residing in 2353 Fremont Place, Pittsburgh, PA 15216,
have invented certain new and useful improvements in _____
Downcomer Valve For Non-Recovery Coke Oven,
for which I have executed an application for United States
Letters Patent on even date herewith
AND WHEREAS Pennsylvania Coke Technology, Inc.
101 N. Main Street
Greensburg, PA 15601,

hereinafter called the "assignee," is desirous of acquiring the entire
right, title, and interest in and to said application and the inventions
and improvements therein disclosed;

NOW, THEREFORE, in consideration of One (\$1.00) Dollar and other good and
valuable consideration paid to me by said assignee, receipt whereof I
hereby acknowledge, I do hereby assign, sell, transfer, and set over unto
said assignee the entire right, title, and interest in and to said
application and the inventions and improvements therein disclosed for the
United States of America and all foreign countries, including all of my
rights under the International Convention for the Protection of
Industrial Property, and any Letters Patent which may issue therefor in
the United States of America and all foreign countries, and all
divisions, reissues, continuations, renewals, and/or extensions thereof,
said assignee to have and to hold the interests herein assigned to the
full ends of the terms of said Letters Patent and any and all divisions,
reissues, continuations, renewals, and/or extensions thereof,
respectively, as fully and entirely as the same would have been held and
enjoyed by me had this assignment not been made.

The Commissioner of Patents is requested to issue such Letters
Patent in accordance herewith. I covenant that I am the lawful owner of
the said application, inventions, and improvements, that the same are
unencumbered, that no license has been granted to make, use, or vend the
said inventions or improvements or any of them, and that I have the full
right to make this assignment.

And for the consideration aforesaid, I agree that I will communicate
to said assignee or the representatives thereof any facts known to me
respecting said inventions and improvements, and will, upon request, but

Raymond M. Sturgulewski

State of Pennsylvania)
County of Allegheny) SS:

Before me, a Notary Public in and for the said County and State,
personally appeared Raymond M. Sturgulewski, who acknowledged
that he is the person who executed the foregoing assignment and
acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 26th day of February,
1999.