

08-28-1998

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The Commissioner of Patents and Trademarks
Washington, D.C. 20231
Attention: Assignment Branch

August 14, 1998
Atty. Ref.: Howmet Case 203

Please record the attached original document or copy thereof.

Name of Conveying Party(ies):

- (1) Donald E. Larsen, Jr.
- (2) Christine M. Stabile
- (3) Richard A. Biondi
- (4) Donald L. Bierstine
- (5) Robert L. Larsen

Name and Address of Receiving Party(ies):

Howmet Research Corporation
1500 Warner Street
Whitehall, MI 49461

Nature of Conveyance:

- ☒ Assignment ☐ Security Agreement ☐ Merger ☐ License
☐ Change of Name ☐ Other:

Execution Date of Document: (1), (3) and (4) May 21, 1998; (2) June 1, 1998;
(5) August 6, 1998

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

Patent Application Numbers:
08/982 168

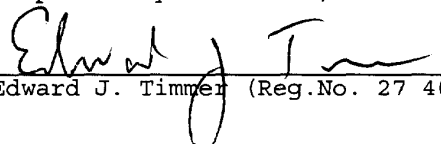
Patent Numbers:

Total Number of Applications and Patents Involved: 1. An enclosed check includes the recording fee of \$40.00
Mail correspondence concerning the document to:

Mr. Edward J. Timmer
Walnut Woods Centre
5955 W. Main Street
Kalamazoo, MI 49009

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.

Respectfully submitted,


Edward J. Timmer (Reg.No. 27 402)

Walnut Woods Centre
5955 W. Main Street
Kalamazoo, MI 49009

Encl: Assignment
Check

Total number of pages, including cover sheet, attachments, and documents 4

08/25/1998 KDUNCAN 00000056 08982168

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PATENT

REEL: 9398 FRAME: 0264

WHEREAS, we (1) Donald E. Larsen, Jr., (2) Christine M. Stabile, (3) Richard A. Biondi, (4) Donald L. Bierstine, and (5) Robert L. Larsen, hereinafter called "ASSIGNORS", have invented certain new and useful improvements in HYBRID INDUCTION SKULL MELTING for which an application for United States Letters Patent was filed on December 1, 1997 and received U.S. Serial No. 08/982 168; and

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, the receipt whereof is hereby acknowledged, and other valuable consideration, we the ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

FURTHER, we agree that we will communicate to said ASSIGNEE or its representative any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths or declarations, and generally cooperate with said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

Signed: Donald E. Larsen, Jr.
Donald E. Larsen, Jr.

Signed: Christine M. Stabile

Signed: Richard A. Biondi
Richard A. Biondi

Signed: Donald L. Bierstine
Donald L. Bierstine

Signed: _____
Robert L. Larsen

STATE OF *New Jersey*)
) ss.
COUNTY OF *Sussex*)

On this 21st day of May, 1998 personally appeared before me the above-named _____, to me known and known to me to be the persons described in and who executed the foregoing instrument and acknowledged the same to be their free act and deed in and for the purposes set forth in said instrument.

Nancy Milan
Notary Public

NANCY ASLAN
Nancy Aslan of New Jersey
My Commission Expires Feb. 11 2008

REEL: 9398 FRAME: 0265

ASSIGNMENT

WHEREAS, we (1) Donald E. Larsen, Jr., (2) Christine M. Stabile, (3) Richard A. Biondi, (4) Donald L. Bierstine, and (5) Robert L. Larsen, hereinafter called "ASSIGNORS", have invented certain new and useful improvements in HYBRID INDUCTION SKULL MELTING for which an application for United States Letters Patent was filed on December 1, 1997 and received U.S. Serial No. 08/982 168; and

WHEREAS, HOWMET RESEARCH CORPORATION, hereinafter called "ASSIGNEE", a corporation of the State of Delaware having a place of business at 1500 Warner Street, Whitehall, Michigan 49461 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, the receipt whereof is hereby acknowledged, and other valuable consideration, we the ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns.

FURTHER, we agree that we will communicate to said ASSIGNEE or its representative any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths or declarations, and generally cooperate with said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN WITNESS WHEREOF, we have hereunto set our hands this _____ day of _____, 199____.
Signed in the presence of:

Signed: _____
Donald E. Larsen, Jr.
Signed: Christine M. Stabile X
Christine M. Stabile
Signed: _____
Richard A. Biondi
Signed: _____
Donald L. Bierstine
Signed: _____
Robert L. Larsen

STATE OF New Jersey)
COUNTY OF Middlesex) ss.

On this 1st day of June, 1998 personally appeared before me the above-named Christine M. Stabile, to me known and known to me to be the persons described in and who executed the foregoing instrument and acknowledged the same to be their free act and deed in and for the purposes set forth in said instrument.

Veronica Reagan
Notary Public

SEAL

VERONICA REAGAN
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES JAN. 13, 2003

VERONICA REAGAN
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES JAN. 13, 2003

PATENT
REEL: 9398 FRAME: 0266

A S S I G N M E N T

WHEREAS, we (1) Donald E. Larsen, Jr., (2) Christine M. Stabile, (3) Richard A. Biondi, (4) Donald L. Bierstine, and (5) Robert L. Larsen, hereinafter called "ASSIGNORS", have invented certain new and useful improvements in HYBRID INDUCTION SKULL MELTING for which an application for United States Letters Patent was filed on December 1, 1997 and received U.S. Serial No. 08/982 168; and

WHEREAS, HOWMET RESEARCH CORPORATION, hereinafter called "ASSIGNEE", a corporation of the State of Delaware having a place of business at 1500 Warner Street, Whitehall, Michigan 49461 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, the receipt whereof is hereby acknowledged, and other valuable consideration, we the ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns.

FURTHER, we agree that we will communicate to said ASSIGNEE or its representative any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths or declarations, and generally cooperate with said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN WITNESS WHEREOF, we have hereunto set our hands this 6th day of August, 1998.
Signed in the presence of:

Signed: _____
Donald E. Larsen, Jr.

Signed: _____
Christine M. Stabile

Signed: _____
Richard A. Biondi

Signed: _____
Donald L. Bierstine

Signed: Robert L. Larsen
Robert L. Larsen

STATE OF)
)ss.
COUNTY OF)

On this 6th day of August, 1998 personally appeared before me the above-named Robert L. Larsen, to me known and known to me to be the persons described in and who executed the foregoing instrument and acknowledged the same to be their free act and deed in and for the purposes set forth in said instrument.

SEAL

Cecilia J. Kerr
Notary Public
March 3, 2000
My Commission expires

CECILIA J. KERR
Notary Public, Muskegon County, MI
My Commission Expires March 3, 2000

RECORDED: 08/21/1998

PATENT
REEL: 9398 FRAME: 0267