

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SEAN SOUTHALL	04/07/2014
BERT WASMUND	03/26/2014
MACIEJ JASTRZEBSKI	04/09/2014
FRANK STOBER	04/14/2014
MICHAEL PARRAVANI	03/26/2014
ROBERT VEENSTRA	03/27/2014
RECEIVING PARTY DATA	
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State/Country:	ONTARIO
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14348825
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ATTORNEY DOCKET NUMBER:	13279-P6101US01
NAME OF SUBMITTER:	06-03-2014
SIGNATURE:	/Robert B. Storey/
DATE SIGNED:	06/03/2014
Total Attachments: 5	

PATENT

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PATENT ASSIGNMENT

WHEREAS We, **Sean SOUTHALL** whose full post office address is **65 Church Street East, Acton, Ontario, L7J 1K8, Canada**; **Bert WASMUND** whose full post office address is **5271 Campbellville Road, Milton, Ontario, L9T 7L6, Canada**; **Maciej JASTRZEBSKI** whose full post office address is **530 Falgarwood Drive, Unit 29, Oakville, Ontario, L6H 1N3, Canada**; **Frank STOBER** whose full post office address is **4335 Mayflower Drive, Mississauga, Ontario, L5R 1T4, Canada**; **Michael PARRAVANTI** whose full post office address is **12 Helene Street North, Apt. 801, Mississauga, Ontario, L5G 3B5, Canada**; and **Robert VEENSTRA** whose full post office address is **102 Milton Street, Thamesford, Ontario, N0M 2M0, Canada** have made the invention(s) described in International Application entitled **FURNACE WITH REFRACTORY BRICKS THAT DEFINE COOLING CHANNELS FOR GASEOUS MEDIA**, filed under Serial No. **PCT/CA2012/000917** (hereinafter the "International Application"), under the provisions of the Patent Cooperation Treaty (PCT), on **October 1, 2012** claiming priority from U.S. provisional application No. **61/540,896** on **September 29, 2011**;

AND WHEREAS, **HATCH LTD.**, whose full post office address is **Sheridan Science & Technology Park, 2800 Speakman Drive, Mississauga, Ontario, L5K 2R7, Canada** (hereinafter the "Assignee"), has acquired from the Assignors, all of their entire right, title and interest in and to the said invention, in all countries of the world, including all of their rights to the International Application, and all related applications, including any and all national and regional phase applications based on the International Application, and all substitutes, divisionals, continuations, and continuations-in-part, and all patents, that may be obtained therefor, and in any and all reissues, extensions, renewals, reexaminations of said applications and patents;

NOW THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of all of which is hereby acknowledged, the Assignors by these presents confirm that, as of the filing date of the

International Application, they have sold, assigned and transferred, and do hereby sell, assign and transfer to said Assignee, their entire right, title and interest in and to the invention, the International Application, and all other applications and patents based on the International Application, to be held and enjoyed by the Assignee, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by the Assignors, had this assignment not been made.

The Assignors authorize and empower said Assignee, its successors, assigns and legal representatives or nominees, to invoke and to claim for any application for patent or other form of protection for said invention or for additions and modifications thereto, filed by it or them, the benefit of the right of priority provided by: the International Convention for the Protection of Industrial Property, as amended; any convention which may henceforth be substituted for it; membership in the World Trade Organization; or any other applicable International treaty, convention or agreement; and to invoke and to claim such right of priority without further written or oral authorization from them.

The Assignors hereby confirm that the Application was made or was authorized to be made by themselves and that they believe themselves to be the original inventors or joint inventors of a claimed invention in the Application;

The Assignors shall without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and to maintain applications and patents for said invention and for additions and modifications thereto in any and all countries, and to vest title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

The Assignors authorize and empower the firm of Bereskin & Parr LLP/S.E.N.C.R.L., s.r.l., whose complete address is Scotia Plaza, 40 King Street West, 40th Floor, Toronto, Ontario M5H 3Y2, the power to insert on this assignment any further identification, to prepare any translation which may be necessary or desirable in

order to comply with the rules for recordation of this document in any country, and to correct any clerical error in this assignment.

In this assignment, in accordance with provisions of Article 2 (i) and (ii) PCT, "application" means an application for the protection of an invention; references to an "application" shall be construed as references to applications for patents for inventions, inventors' certificates, utility certificates, utility models, patents or certificates of addition, inventors' certificates of addition, and utility certificates of addition; references to a "patent" shall be construed as references to patents for inventions, inventors' certificates, utility certificates, utility models, patents or certificates of addition, inventors' certificates of addition, and utility certificates of addition.

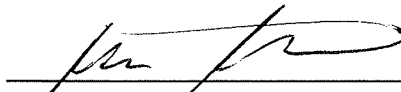
If a provision of this Assignment is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

The Parties confirm their express wish that this Assignment be drawn up in the English language. *Les parties confirment leur volonté expresse que cette cession soit rédigée en langue anglaise.*

SIGNED this 7 day of APRIL, 2014, at MISSISSAUGA, ONTARIO, Canada.



Witness



SEAN SOUTHALL

SIGNED this 26 day of March, 2014, at MISSISSAUGA, ONTARIO, Canada.

L. Beost

Witness

B. Wasmund

BERT WASMUND

SIGNED this 9 day of April, 2014, at Mississauga, Ontario, Canada.

L. Beost

Witness

Maciej Jastrzebski

MACIEJ JASTRZEBSKI

SIGNED this 14 day of April, 2014, at MISSISSAUGA, ONTARIO, Canada.

L. Beost

Witness

Frank Stober

FRANK STOBER

SIGNED this 26 day of March, 2014, at Mississauga, Ontario, Canada.

L. Beost

Witness

Michael Parravani

MICHAEL PARRAVANI

SIGNED this 27 day of March, 2014, at MISSISSAUGA, ONTARIO, Canada.

S. Veestra

Witness

[Signature]
ROBERT VEENSTRA

SIGNED this 27 day of March, 2014, at MISSISSAUGA, ONTARIO, Canada.

S. Veestra

Witness

[Signature]
HATCH LTD.

Name: *Sandra B. Buechler*

Title: *Assistant Secretary*