503517152 10/09/2015

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| TOMONORI HARAGUCHI | 09/18/2015 |
| HIROYUKI NAGAI | 09/07/2015 |

RECEIVING PARTY DATA

| Name: | SANDEN HOLDINGS CORPORATION | |
|-----------------|-------------------------------|--|
| Street Address: | 20, KOTOBUKI-CHO, ISESAKI-SHI | |
| City: | GUNMA | |
| State/Country: | JAPAN | |
| Postal Code: | 372-8502 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14780614 |

CORRESPONDENCE DATA

Fax Number: (646)588-1586

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Correspondent Name: COZEN O'CONNOR Address Line 1: 277 PARK AVENUE

Address Line 4: NEW YORK, NEW YORK 10172

| ATTORNEY DOCKET NUMBER: | 6119-51PUS/376873 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | THOMAS LANGER |
| SIGNATURE: | /Thomas Langer/ |
| DATE SIGNED: | 10/09/2015 |

Total Attachments: 3

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PATENT 503517152 REEL: 036765 FRAME: 0489

Attorney Docket Number:

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration,

the receipt of which is hereby acknowledged, We I the undersigned, Tomonori HARAGUCHI

and Hiroyuki NAGAI (hereinafter referred to as "ASSIGNOR"):

Hereby sell, assign and transfer to SANDEN HOLDINGS CORPORATION

(hereinafter referred to as "ASSIGNEE"), a corporation of Japan, having a place of business at 20,

Kotobuki-cho, Isesaki-shi, Gunma 372-8502 Japan, respectively, its successors, assigns and legal

representatives, the entire right, title and interest for the United States and all foreign countries, in

and to the invention which is disclosed in the application for United States Letters Patent, which has

been executed by the undersigned concurrently herewith, and which is entitled

EXHAUST HEAT RECOVERY DEVICE

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all

other applications for Letters Patent which have been or shall be filed in the United States and all

foreign countries on said invention; and in and to all original, reissued and other patents and

certificates of invention which have been or shall be issued in the United States and all foreign

countries on said invention;

Agree that said Assignee may apply for and receive Letters Patent for said invention

in its own name, and that, when requested, without further consideration from or charge to, but at

the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good

faith the intent and purpose of this assignment, the undersigned will execute all divisional,

continuing, substitute, renewal, reissue, and all other patent applications on said invention; execute

all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee,

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its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

| Date: Sept. 18, 2015 | 5 | Virmopan Haraguchi Tomonori-HARAGUCHI |
|----------------------|---|---------------------------------------|
| | | Tomonori-HARAGUCHI |
| | | |
| Date: | | |
| | | Hiroyuki NAGAI |

its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

| | Tomonori HARAGUCHI |
|-----------------------|--------------------|
| te: September 7, 2015 | Hiroyuki Nagai |

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