

PATENT ASSIGNMENT

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| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Jorg KRUCKELS | 08/05/2011 |
| Thomas HEINZ-SCHWARZMAIER | 08/05/2011 |
| Brian Kenneth WARDLE | 08/05/2011 |
| RECEIVING PARTY DATA | |
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| Postal Code: | CH-5400 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13193548 |
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CH \$40.00 13193548

ASSIGNMENT

Jörg KRÜCKELS, residing at Chrüzweg 67 B, 5413 Birmenstorf, Switzerland, a citizen of Germany; Thomas HEINZ-SCHWARZMAIER, residing at Ackerstrasse 3, 5430 Wettingen, Switzerland, a citizen of Germany; and Brian Kenneth WARDLE, residing at Steinbruchstrasse 32, 5200 Brugg-Lauffohr, Switzerland, a citizen of Great Britain, (hereafter jointly and severally referred to as the undersigned), are the inventors of

COOLED BLADE FOR A GAS TURBINE

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 13/193,548 , filed July 28, 2011.

ALSTOM Technology Ltd, a Swiss company, having a principal place of business at Brown Boveri Strasse 7, CH-5400 Baden, Switzerland (hereafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in said invention and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice

of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout the world for the benefit of the assignee, and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

EXECUTED under seal on this 5 day of August, 2011
at Baden.
(Place)

Witness:

Heidi Shelton

J. Krückels (L.S.)
Jörg KRÜCKELS

EXECUTED under seal on this 5 day of August, 2011
at Baden
(Place)

Witness:

Heidi Breston

T. Heinz-Schwarzmaier (L.S.)
Thomas HEINZ-SCHWARZMAIER

EXECUTED under seal on this 5th day of August, 2011
at BADEN, CU5401
(Place)

Witness:

Hudi Shelton

Frank J. Wardle (L.S.)
Brian Kenneth WARDLE