PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date | |
|--------------------|----------------|--|
| Hisashi MATSUDA | 04/19/2006 | |
| Asako INOMATA | 04/19/2006 | |
| Fumio OTOMO | 04/19/2006 | |
| Hiroyuki KAWAGISHI | 04/19/2006 | |
| Daisuke NOMURA | 04/19/2006 | |

RECEIVING PARTY DATA

| Name: | KABUSHIKI KAISHA TOSHIBA | |
|-----------------|----------------------------------|--|
| Street Address: | 1-1, Shibaura 1-Chome, Minato-Ku | |
| City: | Tokyo | |
| State/Country: | JAPAN | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 10577651 |

CORRESPONDENCE DATA

Fax Number: (703)413-2220

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (703) 413-3000
Email: enega@oblon.com
Correspondent Name: Oblon, Spivak, et al.
Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 290428US3PCT |
|-------------------------|----------------|
| NAME OF SUBMITTER: | Etsegenet Nega |

Total Attachments: 2

source=290428USAssignment#page1.tif

PATENT REEL: 020470 FRAME: 0700

500457365

P 840,00 10

source=290428USAssignment#page2.tif

PATENT REEL: 020470 FRAME: 0701

Assignment of Application

Page 1 of 2

| | WHEREAS, I (WE) | Hisashi MATSUDA, Asako INOMATA, Fumio OTOMO, Hiroyuki KAWAC | JISHI, |
|--|---|--|------------------------------|
| ISERT NAMES | | and Daisuke NOMURA | |
| ND RESIDENCE DDRESS OF HE INVENTORS. | | of c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-C | home, |
| | | Minato-Ku, Tokyo, Japan | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | 17. | | |
| | | | |
| | | | |
| | | | , respectively, |
| NSERT TITLE FINVENTION: | have invented certain r | new and useful improvements in: TURBINE BLADE CASCADE STRUCTUR | • |
| | | | |
| NSERT DATE IN- ENTORS SIGNED ECLARATION: | for which an application | on for Letters Patent was executed on April 19, 2006 | |
| | (Application No. 1 | 0/577,651 , filed May 1, 2006 |), and |
| NSERT NAME IND ADDRESS OF COMPANY OR OTHER ASSIGNEE | WHEREAS, K. | ABUSHIKI KAISHA TOSHIBA | |
| | (hereinafter referred to | o as "ASSIGNEE") having a place of business at: | , |
| | 1-1, Shibaura 1-Chon | ne, Minato-Ku, Tokyo, Japan | |
| | is desirous of acquirin may be granted therefo | ng the entire right, title and interest in and to said invention and in and to any Le fore in the United States and its territorial possessions and in any and all foreign of | tters Patent that countries; |

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the 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, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

03/03

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

| Date: | April 19, 2006 | Hisashi Matsuda | |
|-------|----------------|--|--|
| • | | (Signature of Inventor) Hisashi MATSUDA | |
| Date: | April 19, 2006 | Asako Snomata (Signature of Inventor) Asako INOMATA | |
| Date: | April 19, 2006 | Funto Otomo (Signature of Inventor) Fumio OTOMO | |
| Date: | April 19, 2006 | Signature of Inventor) Hiroyuki KAWAGISHI | |
| Date: | April 19, 2006 | Darsuke Nomura (Signature of Inventor) Daisuke NOMURA | |
| Date: | | (Signature of Inventor) | |
| Date: | | (Signature of Inventor) | |
| Date: | | (Signature of Inventor) | |
| | | (Digitatore of inventor) | |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

03/03

RECORDED: 02/06/2008

PATENT REEL: 020470 FRAME: 0703