PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3787142

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASATO TANAKA	03/01/2016
FUMIAKI YAMASAKI	03/01/2016
SHINICHI KOYAMA	03/01/2016
МОТОМІ КОНАТА	03/01/2016

RECEIVING PARTY DATA

Name:	AZBIL CORPORATION
Street Address:	2-7-3 MARUNOUCHI, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-6419

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15072099

CORRESPONDENCE DATA

Fax Number: (703)413-2220

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (703) 413-3000

Email: ahailemariam@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	466031US
NAME OF SUBMITTER:	ABEBECH HAILEMARIAM
SIGNATURE:	/Abebech Hailemariam/
DATE SIGNED:	03/16/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT REEL: 038004 FRAME: 0969

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Title of Invention	FAILURE FACTOR IDENTIFICATION SUPPORTING APPARATUS AND FAILURE FACTOR IDENTIFICATION SUPPORTING METHOD
As the below name	d inventor, I hereby declare that:
This declaration 🗵	The attached application, or
is directed to:	United States application or PCT international application number
The above-identifie	d application was made or authorized to be made by me.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter referre 100-6419 JAPAN,	BIL CORPORATION d to as "ASSIGNEE") having places of business at: 2-7-3 Marunouchi, Chiyoda-ku, Tokyo is desirous of acquiring the entire right, title and interest in and to said invention and in and to hat may be granted therefore in the United States and its territorial possessions and in any and all
acknowledged, and said ASSIGNEE, the and in all foreign co other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto me full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and may and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.
any and all foreign assignee of my enti (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.
respecting said inv continuation, substi- all of said Letters possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me vention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, itute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ited States and its territorial possessions and in any and all foreign countries.
I hereby acknow by fine or imprison	rledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME OF	FINVENTOR
Inventor: Masato	TANAKA Date: / March, 20/6
Signature: 9/4	reate Tanaba

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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acknowledged, and said ASSIGNEE, the and in all foreign cother relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto he full and exclusive right to the said invention in the United States and its territorial possessions ountries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, mewals thereof.
any and all foreign assignee of my ent (his) successors an	ize and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.
respecting said in continuation, substiall of said Letters possible to aid said said said said said said said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me vention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, itute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ited States and its territorial possessions and in any and all foreign countries.
	rledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Fumiak	i YAMASAKI Date: 1 March 2016
Signature: Fu	umiaki jangsaki

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is directed to:	United States application or PCT international application number filed on	Mercer - Santrar Spein
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(hereinafter referred 100-6419 JAPAN, any Letters Patent to foreign countries;	EBIL CORPORATION ed to as "ASSIGNEE") having places of business at: 2-7-3 Marunouchi, Chiyoda-ku, , is desirous of acquiring the entire right, title and interest in and to said invention and in that may be granted therefore in the United States and its territorial possessions and in any	and to and all
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any and all foreign assignee of my enti (his) successors and	rize and request the Patent Office Officials in the United States and its territorial possession countries to issue any and all of said Letters Patent, when granted, to said ASSIGNER tire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNER and assigns, to the full end of the term for which said Letters Patent may be granted, as full the would have been held by me had this Assignment and sale not been made.	E as the ' NEE, its
respecting said inv continuation, substi all of said Letters possible to aid said invention in the Uni	e that I will communicate to said ASSIGNEE or its (his) representatives any facts known vention, and testify in any legal proceeding, sign all lawful papers, execute all dividute, renewal and reissue applications, execute all necessary assignment papers to cause a Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do ever id ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection inited States and its territorial possessions and in any and all foreign countries.	visional, any and erything for said
by fine or imprison	wledge that any willful false statement made in this declaration is punishable under 18 U.S. nment of not more than five (5) years, or both.	C. 1001
LEGAL NAME OF	F INVENTOR/	,
Inventor: Shinichi		6
Signature: Shi	inichi KOYAMA	##************************************

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Title of Invention FAILURE FACTOR IDENTIFICATION SUPPORTING APPARATUS AND FAILURE FACTOR IDENTIFICATION SUPPORTING METHOD
As the below named inventor, I hereby declare that:
This declaration The attached application, or
is directed to: United States application or PCT international application number filed on
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
WHEREAS, AZBIL CORPORATION
(hereinafter referred to as "ASSIGNEE") having places of business at: 2-7-3 Marunouchi, Chiyoda-ku, Tokyo 100-6419 JAPAN, 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 therefore in the United States and its territorial possessions and in any and all foreign 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, 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 (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) 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 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 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 had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me 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 Letters 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.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
LEGAL NAME OF INVENTOR
Inventor: Motomi KOHATA Date: 1 March 2016
Signature: Motomi Kohata

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PATENT REEL: 038004 FRAME: 0974

RECORDED: 03/16/2016