09/10/2014 502969502

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3016101

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Masashi MIWA	08/12/2014
Haruna NAKAJIMA	08/12/2014
Ken-ichi NISHIKAWA	08/12/2014
Tetsuya HIDAKA	08/12/2014
Jun HAGIWARA	08/12/2014
Chikara ISHIZAKA	08/12/2014

RECEIVING PARTY DATA

Name:	TDK Corporation
Street Address:	3-9-1, Shibaura, Minato-ku
City:	Tokyo
State/Country:	Japan
Postal Code:	108-0023

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14378432

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER:	159091
NAME OF SUBMITTER:	COURTNEY FISHER
SIGNATURE:	/Courtney Fisher/ for James A. Oliff
DATE SIGNED:	09/10/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

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REEL: 033707 FRAME: 0937

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Total Attachments: 2

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PATENT REEL: 033707 FRAME: 0938

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

	Insert	(1)	Masashi MIWA		(2)	Haruna NAKAJIMA	
(1-8)	Legal Name(s)	(3)	Ken-ichi NISHIKAW	4	(4)	Tetsuya HIDAKA	
	of Inventor(s)	(5)	Jun HAGIWARA		(6)	Chikara ISHIZAKA	
(9)	insert Name of	In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to ea the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agre assign, and hereby does assign, transfer and set over to (9) TDK Corporation					
Assignee (7) TOK Corporation (10) Insert Address of Assignee (10) 3-9-1, Shibsura, Minato-ku, Tokyo 108-0023, JAPAN				3, JAPAN			
		the entir inventio continus	o right, title and interest for i in, and in all applications for	the United States of patent including a cand relesse applic	f Am ny an eatior	s, successors, assigns and legal representatives, serice as defined in 35 U.S.C. §100, in the all provisional, non-provisional, divisional, no(s), and all Letters Patent, extensions, reissues vention known as	
(11)	Insert Identification such as Title, Case Number, or Foreign	(11)	R-T-B SINTERED M	AGNET			
	Application Number	(Atter	ney Docket No. 159091	······································), fi	iled on even date herewith or as	
(12)	Alternative	(!2)	U.S. Application Number	14/378,432			
	Identification for				*********		
	filed applications	filed	August 13, 2014				

- Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also
 to execute separate assignments in connection with such applications and patents as the Assignor may does necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF FLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Parent and Trademark Office for recordation of this document.

(13) Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

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.

PATENT REEL: 033707 FRAME: 0939 In witness whereof, executed by the undersigned on the date(s) apposite the undersigned name(s).

Date	12. Aug. 2019	Inventor Signature	Massohi Mina (SE	AL)	
Date	12. Aug. 2014	Inventor Signature	Haruna Nakajima (SE	AL)	
Date	12. Aug. 2014	Inventor Signature	<u> Konicki, Nishikawa</u> (SE)	AL)	
Date	12. Aug. 2014	Inventor Signature	Tetanya Hidaka (SE)	AL)	
Date	12. Aug. 2014	Inventor Signature	Jun Haginara (SE)	AL)	
Date	12. Aug. 2014	Inventor Signature	<u>Chikara Zahizaka</u> (se)	(11)	
Date	***************************************	Inventor Signature	(SE/	iL)	
Date		Inventor Signature	(SEA	ıL)	
This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If either, then it should be signed before at least two witnesses who also sign here:					
Date	12. Aug. 2014	Witness	Takanori Tuba		
Døte	12, Aug 2014	Witness	Noriko Uneyana	·····	