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Commissioner of Patents & Trademarks	02-09-2009	Washington, D.C. 2023
Form PTO-1595		U.S. DEPARTMENT OF COMMERCE
(Rev. 03/01)		U.S. PATENT AND TRADEMARK OFFICE
To the honorable Commissioner of I	103547069	ied original document or copy thereof:
Name of Conveying Party(ies):	2. Name and Add	dress of Receiving Party(ies):
MURAMATSU, Yuichi	Name:	Tamron Co., Ltd.
LI, Dayong	Street Address:	1385, Hasunuma, Minuma-ku
	Street Address:	
	City:	Saitama-shi, Saitama
	State/Country:	Japan Postal Code:
Additional name(s) of conveying party(ies) attached?	No Additional name(s) and ac	ddresses attached? Yes No
3. Nature of Conveyance:		
Assignment	☐ Change of Na	ame
Security Agreement	Other:	
Merger	Execution Date:	01232009
•		
4. Application Number(s) or Patent Number(s): Assignment is being filed together with new	application and the first	execution date of application is: 01232009
Farm	application and the first	·
Assignment is being filed together with new Application has been filed already and the a A. Patent Application Number(s):	application and the first application filing date is:	umber(s):
Assignment is being filed together with new Application has been filed already and the a A. Patent Application Number(s):	application and the first application filing date is: B. Issued Patent Nu al numbers attached?	umber(s):
Assignment is being filed together with new Application has been filed already and the a A Patent Application Number(s): Additional	application and the first application filing date is: B. Issued Patent Nutable all numbers attached?	Yes No 6. Total number of applica-
Assignment is being filed together with new Application has been filed already and the a A Patent Application Number(s): Additional Name and address of party to whom corresp concerning this matter should be mailed:	application and the first application filing date is: B. Issued Patent Nutral al numbers attached?	Yes No 6. Total number of applications and patents involved:
Assignment is being filed together with new Application has been filed already and the a A. Patent Application Number(s): Additiona 5. Name and address of party to whom corresp concerning this matter should be mailed: CUSTOMER NUMBER 00 JACOBSON HOLMAN F 400 Seventh Street, N	application and the first application filing date is: B. Issued Patent Nut al numbers attached? condence 136 -or- PLLC .W.	Yes No 6. Total number of applications and patents involved: 7. Total Fee (37 CFR 3.41): \$40.00 Enclosed
Assignment is being filed together with new Application has been filed already and the a A Patent Application Number(s): Additions 5. Name and address of party to whom corresp concerning this matter should be mailed: CUSTOMER NUMBER 00 JACOBSON HOLMAN F 400 Seventh Street, N Washington, D.C. 20004	application and the first application filing date is: B. Issued Patent Nut al numbers attached? condence 136 -or- PLLC .W2218	Yes No 6. Total number of applications and patents involved: 7. Total Fee (37 CFR 3.41): \$40.00
Assignment is being filed together with new Application has been filed already and the a A. Patent Application Number(s): Additiona 5. Name and address of party to whom corresp concerning this matter should be mailed: CUSTOMER NUMBER 00 JACOBSON HOLMAN F 400 Seventh Street, N	application and the first application filing date is: B. Issued Patent Nut al numbers attached? condence 136 -or- PLLC .W2218	Yes No 6. Total number of applications and patents involved: 7. Total Fee (37 CFR 3.41): \$ 40.00 Enclosed Any deficiencies in enclosed fees are
Assignment is being filed together with new Application has been filed already and the a A Patent Application Number(s): Additions 5. Name and address of party to whom corresp concerning this matter should be mailed: CUSTOMER NUMBER 00 JACOBSON HOLMAN F 400 Seventh Street, N Washington, D.C. 20004	application and the first application filing date is: B. Issued Patent Nut al numbers attached? condence 136 -or- PLLC .W2218	yes No 6. Total number of applications and patents involved: 7. Total Fee (37 CFR 3.41): \$40.00 Enclosed Any deficiencies in enclosed fees are authorized to be charged to Deposit
Assignment is being filed together with new Application has been filed already and the a A. Patent Application Number(s): Additiona 5. Name and address of party to whom corresp concerning this matter should be mailed: CUSTOMER NUMBER 00 JACOBSON HOLMAN F 400 Seventh Street, N Washington, D.C. 20004 Tel. 202-638-6666 Attorney Docket Number: P72979US0	application and the first application filing date is: B. Issued Patent Nut al numbers attached? condence 136 -or- PLLC .W2218	with the state of applications and patents involved: 7. Total Fee (37 CFR 3.41): \$ 40.00 Enclosed Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.
Assignment is being filed together with new Application has been filed already and the a A. Patent Application Number(s): Additiona 5. Name and address of party to whom corresp concerning this matter should be mailed: CUSTOMER NUMBER 00 JACOBSON HOLMAN F 400 Seventh Street, N Washington, D.C. 20004 Tel. 202-638-6666 Attorney Docket Number: P72979US0 8. Statement and Signature:	application and the first application filing date is: B. Issued Patent Numbers attached? al numbers attached? bondence 136 -or- PLLC W. -2218	with the second price of applications and patents involved: 7. Total Fee (37 CFR 3.41): \$ 40.00 Enclosed Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358. ACE 81/24/2589 JADM1 80898023 12320464 94 Ft.: 8821
Assignment is being filed together with new Application has been filed already and the a A. Patent Application Number(s): Additiona 5. Name and address of party to whom corresp concerning this matter should be mailed: CUSTOMER NUMBER 00 JACOBSON HOLMAN F 400 Seventh Street, N Washington, D.C. 20004 Tel. 202-638-6666 Attorney Docket Number: P72979US0 8. Statement and Signature:	application and the first application filing date is: B. Issued Patent Numbers attached? al numbers attached? bondence 136 -or- PLLC W. -2218	Yes No 6. Total number of applications and patents involved: 7. Total Fee (37 CFR 3.41): \$40.00 Enclosed Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.
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PATENT REEL: 022232 FRAME: 0467

UNITED STATES OF AMERICA - ASSIGNMENT Yuichi MURAMATSU (1-5) Insert Name(s) of Inventors Dayong LI (2)(3) (4) (5)in consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to Tamron Co., Ltd. (6) (6) insert Name of Assignee 1385, Hasunuma, Minuma-ku, Saitama-shi, Saitama, Japan M Insert Address of Assignee ന Corporation (8) (8)insert Legal Entity and State or Country (e.g., a corporation or (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its citizen of Japan) territories, dependencies and possessions, in the invention known as Insert identification of invention, Wide-Angle Zoom Lens (9) (9) such as Title, Case Number or Foreign Application Number for which the undersigned has (have) executed an application for patent in the United States of insert Date of signing of (10) (10)Said application having been executed/filed on January 23, 2009 (and assigned Application, or filing date and Serial No. Serial No., If known 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient. 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims provisions of the international Union for Protection of Industrial Property or similar agreements. 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith. 6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including right to sue for, and collect damages for, any and all acts of past and future infringement. 7) The undersigned hereby grant(s) the law firm of Jacobson Holman PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification 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. In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s). January 23, 2009 Name of Inventor Yuichi MURAMATSU uichi Muramatsu Date typed name January 23, 2009 Dayong LI Date Name of Inventor DAYOUG LI (SEAL) typed name signature Date Name of Inventor (SEAL) signature (SEAL) Name of Inventor typed name signature (SEAL) Date Name of Inventor

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typed name

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If

JACOBSON HOLMAN

not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

Witness

Witness

PROFESSIONAL LIMITED LIABILITY COMPANY THE JENIFER BUILDING 400 SEVENTH STREET, N.W. **WASHINGTON, D.C. 20004**

JH 5/01 (Copying without deletions permitted)

RECORDED: 01/27/2009

Additional inventor's names and

on a separate sheet.

PATENT REEL: 022232 FRAME: 0468

signature

Akio Arakawa

Toru Nara