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1. Name of conveying party(ies): (List using letters or numbers for multiple parties) 1. Kenji Ooshima 2. Takashi Yoneda 3. Yasuo Kuroda 4. Akira Kawaguchl Additional name(s) of conveying party(ies) attached? () Yes (X) No	 Name and address of receiving party(ies): Name: NIPPON KAYAKU KABUSHIKI KAISHA Street Address: 11-2, Fujimi 1-chome, Chiyoda-ku City: Tokyo State: Japan ZIP: 102-8172 Additional name(s) of receiving party(ies) 			
3. Nature of conveyance: (X) Assignment () Security Agreement () Merger () Change of Name	attached? () Yes (X) No			
() Other: Execution Date: (List as in section 1 if multiple signatures) 1. October 25, 2011 2. October 31, 2011 3. November 5, 2011 4. October 25, 2011	4. US or PCT Application number(s) or US Patent number(s): (X) Patent Application No: 13/377262 Filing Date: December 9, 2011 Additional numbers attached? () Yes (X) No			
5. Party to whom correspondence concerning document should be mailed: Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14 th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: SHOBA11.011APC	6. Total number of applications and patents involved: 1			
7. Total fee (37 CFR 1.21(h)): \$40	8. Deposit account number: 11-1410			
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PATENT REEL: 027395 FRAME: 0795

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PATENT

ASSIGNMENT:

WHEREAS, I/WE

America, its territories and possessions.

- (I) Kenji OOSHIMA, a Japanese citizen, residing at c/o NIPPON KAYAKU KABUSHIKI KAISHA FUNCTIONAL CHEMICALS R&D LABORATORIES, 31-12, Shimo 3-chome, Kita-ku, Tokyo 115-8588 Japan
- (2) Takashi YONEDA, a Japanese citizen, residing at c/o NIPPON KAYAKU KABUSHIKI KAISHA FUNCTIONAL CHEMICALS R&D LABORATORIES, 31-12, Shimo 3-chome, Kita-ku, Tokyo 115-8588 Japan
- (3) Yasuo KURODA, a Japanese citizen, residing at c/o NIPPON KAYAKU KABUSHIKI KAISHA FUNCTIONAL CHEMICALS R&D LABORATORIES, 31-12, Shimo 3-chome, Kita-ku, Tokvo 115-8588 Japan
- (4) Akira KAWAGUCHI, a Japanese citizen, residing at c/o NIPPON KAYAKU KABUSHIKI KAISHA FUNCTIONAL CHEMICALS R&D LABORATORIES, 31-12, Shimo 3-chome, Kite-ku, Tokyo 115-8588 Japan

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in PORPHYRAZINE COLORING MATTER, INK COMPOSITION, RECORDING METHOD, AND COLORED OBJECT, the specification of which:

(a)	0	was executed on even date herewith;		
(b)	o	was filed on	as o Application No. 0 / at not yet known at (if applicable); or	_ or o
(c)	•	was described and claimed in PCT Internat June 8, 2010 and as amended under PCT any) and/or under PCT Article 34 on	41 #	filed on
11-2,	AND Fujimi l	WHEREAS, NIPPON KAYAKU KABUSH) -chome, Chiyoda-ku, Tokyo 102-8172 Japa	KI KAISHA, with its principal place of bus no, (hereinafter referred to as Assignee) de.	iness at

acquire the entire right, title, and interest in and to the said improvements with respect to the United States of

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged. Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under international Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

PATENT REEL: 027395 FRAME: 0796

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 25th day of October , 2011 Kenji OOSHIMA Signature of Kenji OOSHIMA

This 3 th day of October , 2011

YOUE DY

This <u>5th</u> day or November, 2011

Yasuo KURODA
Signature of Yasuo KURODA

This 25th day of October, 2011

Akira KAWAGUCH J Signature of Akira KAWAGUCH J

Witnessed by:

PF-5

4156290

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PATENT REEL: 027395 FRAME: 0797

RECORDED: 12/12/2011