

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4274204

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MASAYUKI SAITO	07/14/2011
RECEIVING PARTY DATA	
Name:	JNC CORPORATION
Street Address:	2-1, OTEMACHI 2-CHOME, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8105
Name:	JNC PETROCHEMICAL CORPORATION
Street Address:	2-1, OTEMACHI 2-CHOME, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-0004
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14879713
CORRESPONDENCE DATA	
Fax Number:	(202)637-5910
<i>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.</i>	
Phone:	2026376459
Email:	hlusdocketing@hoganlovells.com
Correspondent Name:	TERESA LAVENUE
Address Line 1:	555 THIRTEENTH STREET, N. W.
Address Line 4:	WASHINGTON, D.C. 20004
ATTORNEY DOCKET NUMBER:	19629-0198
NAME OF SUBMITTER:	TERESA LAVENUE
SIGNATURE:	/Teresa Lavenue/
DATE SIGNED:	02/14/2017
Total Attachments: 13	

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ASSIGNMENT

WHEREAS,

1. MASAYUKI SAITO

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: **LIQUID CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY DEVICE**

[] Filed: Serial No.

[x] Executed concurrently with the execution of this instrument

WHEREAS, 1. JNC CORPORATION
of 2-1, OTEMACHI 2-CHOME, CHIYODA-KU TOKYO 100-8105 JAPAN

2. CHISSO PETROCHEMICAL CORPORATION
2-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO 100-0004 JAPAN

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

customer ref. no CS5442US
JC no. 33340-US-1002-PCT

ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Signature: Masayuki Saito
Sole or First Joint Inventor: MASAYUKI SAITO

Date: July 14, 2011

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RECORDED: 07/22/2011

PATENT
REEL: 026632 FRAME: 0081

PATENT
REEL: 041253 FRAME: 0641

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MASAYUKI SAITO	07/14/2011
RECEIVING PARTY DATA	
Name:	JNC CORPORATION
Street Address:	2-1, OTEMACHI 2-CHOME, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8105
Name:	CHISSO PETROCHEMICAL CORPORATION
Street Address:	2-1, OTEMACHI 2-CHOME, CHIYODA-KU,
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-0004
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13145791
CORRESPONDENCE DATA	
Fax Number:	(510)580-7280
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Email:	usa@cipgroup.com.tw
Correspondent Name:	Jianq Chyun Intellectual Property Office
Address Line 1:	7F.-1, NO. 100, Roosevelt Rd., Sec. 2,
Address Line 4:	Taipei, TAIWAN 100
ATTORNEY DOCKET NUMBER:	33340-US-1002-PCT
NAME OF SUBMITTER:	Belinda Lee
Total Attachments: 2 source=33340US_ASSGN#page1.tif source=33340US_ASSGN#page2.tif	

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PATENT
 REEL: 026632 FRAME: 0079

PATENT
 REEL: 041253 FRAME: 0642

履歴事項全部証明書

東京都千代田区大手町二丁目2番1号
 JNC石油化学株式会社
 会社法人等番号 0100-01-022977

商号	チソン石油化学株式会社	
	チソン石油化学株式会社	平成14年 7月 2日更正
	JNC石油化学株式会社	平成23年10月 1日変更 平成23年10月 3日登記
本店	東京都中央区勝どき三丁目13番1号	平成14年 7月 1日移転 平成14年 7月 2日登記
	東京都千代田区大手町二丁目2番1号	平成18年 7月18日移転 平成18年 7月18日登記
公告をする方法	官報に掲載する	
会社成立の年月日	昭和37年6月15日	
目的	1. 各種石油化学製品の製造並びに売買 2. 液晶等の電子材料の製造、加工及び売買 3. 次の物品の売買 ア. 化学繊維及び不織布 イ. 土木建築用資材、農業用資材及び排水処理用機器 ウ. 食品添加物及びこれに付随する材料 エ. 園芸用品、日用雑貨品、事務用品及び理化学機器 4. 電気の特設供給事業 5. 蒸気その他の熱供給業 6. 前各号に付帯する事業	
発行可能株式総数	40万株	
発行済株式の総数並びに種類及び数	発行済株式の総数 20万株	
株券を発行する旨の定め	当社は、株式に係る株券を発行する。 平成18年 6月29日変更 平成18年 7月18日登記	
資本金の額	金20億円	

整理番号 に025716

* 下線のあるものは採消事項であることを示す

PATENT 1/10
 REEL: 028300 FRAME: 0573

PATENT
 REEL: 041253 FRAME: 0643

Certificate of Complete Historical Records

2-1, Otemachi 2-chome, Chiyoda-ku, Tokyo
 JNC Petrochemical Corporation
 Company, legal entity, etc. number: 0100-01-022977

Trade Name	<u>Chitsuso Petrochemical Corporation</u>	
	<u>Chisso Petrochemical Corporation</u>	Corrected on July 2, 2002
	JNC Petrochemical Corporation	Changed on October 1, 2011
		Registered on October 3, 2011
Head Office		Relocated on: July 1, 2002
	<u>13-1, Kachidoki 3-chome, Chuo-ku, Tokyo</u>	Registered on: July 2, 2002
	2-1, Otemachi 2-chome, Chiyoda-ku, Tokyo	Relocated on: July 18, 2006
		Registered on: July 18, 2006
Method of Public Notice	The public notice of the company shall be published in an Official Gazette.	
Date of Establishment	June 15, 1962	
Purpose of the Company	1. Manufacturing, sale and purchase of petrochemical products 2. Manufacturing, processing, sale and purchase of liquid crystal and other electronic materials 3. Sale and purchase of the following articles (a) Chemical fibers and non-woven fabrics (b) Civil engineering and construction materials, agricultural materials and water treatment devices (c) Food additives, and materials related to the same (d) Garden supplies, daily products, office supplies and Laboratory instruments 4. Operation of special supply of electricity 5. Operation of heat supply by steam and others 6. Operations related to each of the above items.	
Total number of Shares Authorized to be Issued	400,000 shares	
Total Number of Issued Shares and the Type and Number of Shares	Total number of the issued shares: 200,000 shares	
Provisions Concerning Issuance of Share Certificate	The Company shall issue share certificates for shares of stock. Changed on June 29, 2006 Registered on July 18, 2006	
Capital Stock	2,000,000,000 yen	

Reference No. Ni 025716

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*The underlined items indicate that they have been cancelled.

RECORDED: 06/01/2012

PATENT
 REEL: 028300 FRAME: 0574

PATENT
 REEL: 041253 FRAME: 0644

501941211 06/01/2012

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME
CONVEYING PARTY DATA	
Name	Execution Date
Chisso Petrochemical Corporation	10/03/2011
RECEIVING PARTY DATA	
Name:	JNC Petrochemical Corporation
Street Address:	2-1, Otemachi 2-chome, Chiyoda-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	100-0004
PROPERTY NUMBERS Total: 217	
Property Type	Number
Patent Number:	6355736
Patent Number:	6395353
Patent Number:	6497929
Patent Number:	6500503
Patent Number:	6515037
Patent Number:	6521693
Patent Number:	6544604
Patent Number:	6572938
Patent Number:	6586517
Patent Number:	6605747
Patent Number:	6627692
Patent Number:	6635733
Patent Number:	6641872
Patent Number:	6649227
Patent Number:	6682784

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PATENT
REEL: 028300 FRAME: 0565

PATENT
REEL: 041253 FRAME: 0645

Patent Number:	6699421
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Patent Number:	6921560
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PATENT
REEL: 028300 FRAME: 0566

PATENT
REEL: 041253 FRAME: 0646

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REEL: 028300 FRAME: 0567

PATENT
REEL: 041253 FRAME: 0647

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REEL: 028300 FRAME: 0568

PATENT
REEL: 041253 FRAME: 0648

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Patent Number:	7999123
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Application Number:	11684836
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PATENT
REEL: 028300 FRAME: 0569

PATENT
REEL: 041253 FRAME: 0649

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Application Number:	12659693
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PATENT
REEL: 028300 FRAME: 0570

PATENT
REEL: 041253 FRAME: 0650

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Application Number:	13125041
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Application Number:	13133385
Application Number:	13133945
Application Number:	13140020
Application Number:	13140021
Application Number:	13145112
Application Number:	13145344
Application Number:	13145791
Application Number:	13148049
Application Number:	13157908
Application Number:	13158815
Application Number:	13201626
Application Number:	13237634
Application Number:	13255509
Application Number:	13260916
Patent Number:	6649685

CORRESPONDENCE DATA

Fax Number: (202)637-5910
Phone: 2026378795
Email: dcptopatent@hoganlovells.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
Correspondent Name: KIRK HAHN
Address Line 1: Columbia Square
Address Line 2: 555 Thirteenth Street, NW

PATENT
REEL: 028300 FRAME: 0571

PATENT
REEL: 041253 FRAME: 0651

Address Line 4: Washington, DISTRICT OF COLUMBIA 20004	
ATTORNEY DOCKET NUMBER:	19629
NAME OF SUBMITTER:	Kirk O. Hahn
Total Attachments: 2 source=JNC-PETROCHEM-NAME-CHANGE#page1.tif source=JNC-PETROCHEM-NAME-CHANGE#page2.tif	

PATENT
REEL: 028300 FRAME: 0572