

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Assignment of 50% Interest
CONVEYING PARTY DATA	
Name	Execution Date
GR Advanced Materials Ltd.	10/31/2005
RECEIVING PARTY DATA	
Name:	Tohoku Ricoh Co., Ltd.
Street Address:	3-1 Shinsneido, Nakanomyo, Shibata-Machi
Internal Address:	Shibata-gun
City:	Miyagi
State/Country:	JAPAN
Postal Code:	989-1695
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	10985368
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(404) 724-2830
Email:	cvr@fr.com
Correspondent Name:	Andrew T. Meunier
Address Line 1:	FISH & RICHARDSON P.C.
Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	23293-003001
NAME OF SUBMITTER:	Chandra Russell
Total Attachments: 2 source=23293-003001 Assignment#page1.tif source=23293-003001 Assignment#page2.tif	

CH 10985368 \$40.00

PATENT

500374028

REEL: 019949 FRAME: 0755

ASSIGNMENT

THIS ASSIGNMENT is made the 31<sup>st</sup> day of ~~November~~ <sup>October</sup> 2005 between  
GR Advanced Materials Ltd. of PO Box 22, Ladybank Road, Stirling, Scotland,  
FK9 5NZ, UK (hereinafter called "the Assignor") of the one part, and Tohoku Ricoh  
Co., Ltd. of 3-1 Shinneido, Nakanonryo, Shibata-machi, Shibata-gun, Miyagi 989-  
1695, Japan (hereinafter called "the Assignee") of the other part.

WHEREAS by virtue of a Memorandum dated 5 January 2005 the Assignor and  
the Assignee have agreed that any right in and to any patents or patent applications  
relating to inventions based on their joint development of a new ink product having  
the project name: Sapphire, HQ - Sapphire (hereinafter "Sapphire Ink") shall be  
jointly owned by the Assignor and the Assignee.

AND WHEREAS the Assignor is entitled to the benefit of British Patent Application  
Nos. 0424505.6 and 0424502.3 (hereinafter "the Applications") which relate to the  
inventions based on joint development by the Assignor and the Assignee of Sapphire  
Ink


AND WHEREAS the Assignor has for the consideration and upon the terms  
hereinafter appearing agreed to sell assign and transfer to the Assignee half of his  
right title and interest in and to the said Applications for a Patent and the Patents  
thereon when granted, such that GR Advanced Materials Ltd. and Tohoku Ricoh Co.,  
Ltd. become Joint Applicants for the said Applications, and Joint Proprietors once the  
said Applications are granted, and likewise for any further Applications and Patents  
stemming from the said Applications.

WITNESSETH

(1) Pursuant to the Agreement and in consideration of the sum of £1 (one pound sterling) now paid by the Assignee to the Assignor (the receipt of which is hereby acknowledged) the Assignor with full title guarantee hereby assigns to the Assignee HALF OF his interest right and title in and to the said Applications and the full and exclusive benefit and advantage thereof including the right to sue for damages and other remedies in respect of any infringement of the said Applications which may have occurred prior to the date hereof TO HOLD the same unto the Assignee absolutely.

IN WITNESS WHEREOF the parties hereto have hereunto executed this Assignment the day and year first above written to become Joint Applicants for the said Applications.

Executed for and on behalf of

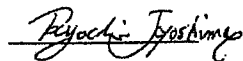


GR Advanced Materials Ltd.

Name: Dr J C Adams

Position: Technical Director

Executed for and on behalf of



Tohoku Ricoh Co., Ltd.

Name: Ryochi Toyoshima

Position: General Manager