

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Nathan SMITH	06/03/2005
Paul A. GASS	06/03/2005
Jonathan P. BRAMBLE	06/16/2005
Martin D. TILLIN	06/16/2005
Bronje M. MUSGRAVE	06/16/2005

RECEIVING PARTY DATA

Name:	SHARP KABUSHIKI KAISHA
Street Address:	22-22, Nagaikecho, Abeno-ku, Osaka-shi
City:	Osaka
State/Country:	JAPAN
Postal Code:	545-8522

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11072563

CORRESPONDENCE DATA

Fax Number: (216)621-6165
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
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Email: msaralino@rennerotto.com
Correspondent Name: Mark D Saralino
Address Line 1: Renner, Otto, Boisselle & Sklar, LLP
Address Line 2: 1621 Euclid Avenue, Nineteenth Floor
Address Line 4: Cleveland, OHIO 44115

NAME OF SUBMITTER:

Mark D. Saralino

Total Attachments: 4

PATENT

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REEL: 016269 FRAME: 0639

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Docket No. YAMAP0969US

ASSIGNMENT

WHEREAS, the ASSIGNOR(S), being the following named inventor(s):

Nathan SMITH
6 Rose Hill
Oxford OX4 4HS
United Kingdom

Martin D. TILLIN
11 Summer Fields, Abingdon,
Oxfordshire, OX14 2PG
United Kingdom

Paul A. GASS
16 Ash Grove, Headington
Oxford OX3 9JL
United Kingdom

Bronje M. MUSGRAVE
3 Manor Cottages, Church Street
Sutton Courtenay
Oxfordshire, OX14 4NW
United Kingdom

Jonathan P. BRAMBLE
10 Birchwood Close, Southwell,
Nottinghamshire NG25 0DE
United Kingdom

are inventor(s) of and owner(s) of rights to a certain invention entitled:

For: **CONTROL OF LIQUID CRYSTAL ALIGNMENT IN AN OPTICAL DEVICE**

for which application for Letters Patent of the United States was executed on the date indicated below, and

WHEREAS, the ASSIGNEE:

SHARP KABUSHIKI KAISHA
22-22, Nagaikecho, Abeno-ku, Osaka-shi
Osaka 545-8522 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.


Docket No. YAMAP0969US

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement, charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale.

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or his legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.


Signed:

Date:




Nathan SMITH

03 June 2005



Paul A. GASS

3/6/05

Jonathan P. BRAMBLE


Martin D. TILLIN

16/6/5

Bronje M. MUSGRAVE

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Signed:

Date:



Nathan SMITH



Paul A. GASS

Jonathan P. BRAMBLE

Martin D. TILLIN



Bronje M. MUSGRAVE

03 June 2005

3/6/05

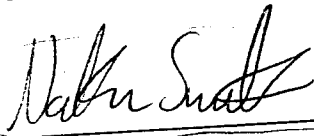
18/6/05

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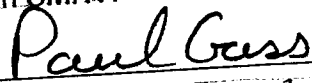
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Signed:

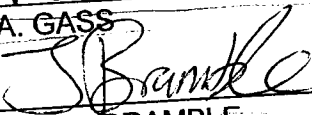
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