

05-04-2005



PATENTS ONLY

102995143
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF : Kumar et al.

FOR : **ELECTRO-OPTICAL DISPLAY WITH
INSITU POLYMERIZED COLUMNS
PROVIDING ALIGNMENT AND
STRUCTURAL BOND BETWEEN
SUBSTRATES**

SERIAL NO. : 10/222,745

FILED : August 16, 2002

EXAMINER : Edwyn Labaze

ART UNIT : 2876

CONFIRMATION NO. : 7983

ATTORNEY DOCKET NO. : KNST 200004

ASSIGNMENT RECORDATION FORM COVER SHEET

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	Satyendra Kumar	November 3, 2004
	Bharat Raj Acharya	March 9, 2005
	Hyunchul Choi	April 25, 2005

2. Name and address of Receiving Party(ies):

Kent State University
145 Auditorium Building

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4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

10/222,745

5. Name and address to whom correspondence concerning document should be mailed:

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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41 \$40.00

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Respectfully submitted,

FAY, SHARPE, FAGAN,
MINNICH & McKEE, LLP

4-27-05

Date

Robert M. Sieg

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, We, the undersigned, **Satyendra Kumar**, of 1981 Crossfield Circle, Kent, Ohio 44240, **Bharat Raj Acharya**, of 600 Mountain Avenue, RM 1B-304, Murray Hill, New Jersey 07974, and **Hyunchul Choi**, of LG-Philips LCD Panel Design 2 Team, 161, Imsoo-dong, Kumi-city, Kyungbuk 730-350, South Korea, who have created a certain invention for which a U.S. Patent Application has been

☐ executed concurrently herewith
☐ executed on
X filed August 16, 2002 and assigned Application Serial No. 10/222,745
and is entitled

**ELECTRO-OPTICAL DISPLAY WITH IN-SITU POLYMERIZED COLUMNS
PROVIDING ALIGNMENT AND STRUCTURAL BOND BETWEEN SUBSTRATES**

hereby sell, assign and transfer to **Kent State University**, ("Assignee"), having a place of business at **145 Auditorium Building, P. O. Box 5190, Kent, Ohio 44242-0001**, its successors, assigns, nominees or other legal representatives, the full, exclusive, entire worldwide rights, title and interest in, to, and under said invention as described and claimed in said application, including the provisional application from which it claims priority, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, nominees, or other legal representatives, to the end of the term or terms for which said Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held and enjoyed by Inventors if this assignment and sale had not been made; all of the entire rights, title and interest in and to said invention and said application, and all original and reissued patents granted for said invention, and all divisions, reissues, continuations-in-part, and continuations of said application, including the subject matter of any and all claims which may be obtained in every patent, and the right, where such right can be legally exercised, in Assignee's own name to apply for and obtain patents in countries foreign to the United States, including the full right to claim for any such application the benefits of the International Convention and the Patent Cooperation Treaty as fully and entirely as Inventors could have done if the foreign application had been filed in the names of the Inventors, and the entire interest in any Letters Patent which may be granted on any such application in such foreign countries, and Inventors authorize and request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty is to issue patents on applications as aforesaid, to issue the said Letters Patent to Assignee, its successors, assigns, nominees, or other legal representatives, as Assignee and owner of the said entire rights, and Inventors covenant that Inventors have the full right to convey the said entire interest herein assigned and that Inventors have not executed

and will not execute any agreement in conflict herewith, and Inventors will communicate to Assignee, its successors, assigns, nominees, or other legal representatives all facts known to Inventors respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, execute and deliver all divisional, continuing, and reissue applications, make all rightful oaths or declarations, and do all lawful acts requisite for the application for such divisional, continuing, or reissue applications, or the procuring thereof, and that if and when Assignee, its successors, assigns, nominees, or other legal representatives desire to file a disclaimer relating thereto, Inventors will, upon request, sign and deliver all lawful papers requisite for the filing of such disclaimer; and

Inventors further covenant and agree that Inventors will, at any time upon request, do everything possible to aid Assignee, its successors, assigns, nominees, or other legal representatives, either in the name of Inventors or Assignee, to apply for, obtain, and enforce proper patent protection for said invention in all countries, according to the International Convention and the Patent Cooperation Treaty, and all the laws and treaties in force, all without further consideration but at the expense of Assignee, its successors, assigns, nominees, or other legal representatives.

Signed at KENT Nov 3, 2004 on Nov 3,, 2004.

Satyendra Kumar
Satyendra Kumar

State of Ohio)
County of Portage)ss:
)

On this 3 day of November 2004, before me personally came Satyendra Kumar, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Carol Toncar
Notary Public

Seal
CAROL M. TONCAR
Notary Public, State of Ohio
My commission expires December 16, 2008

Signed at MADISON, WI on March 9, 2005

Bharat R Acharya
Bharat Raj Acharya

State of WISCONSIN

)

)ss:

County of DANE

)

On this 9 day of March, before me personally came Bharat Raj Acharya, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Lisa J. Humphrey
Notary Public

Seal

Signed at 9:02 on 3/9, 2005

Hyunchul Choi

Witnesses:

[Signature]

Printed Name:

Syrus R. Soltaninasab

Printed Name:

Signed at _____ on _____, 2004.

Bharat Raj Acharya

State of _____)

)ss:

County of _____)

On this _____ day of _____, before me personally came Bharat Raj Acharya, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Seal

Signed at Kumi South Korea on April 23 2004.5



Hyunchul Choi

Witnesses:

Printed Name:

Printed Name: