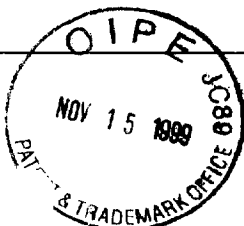


11-18-99

FORM PTO-1619A  
Expires 06/30/99  
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U.S. Department of Commerce  
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**PATENT**

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**REEL: 010381 FRAME: 0149**

**Correspondent Name and Address**

Area Code and Telephone (650) 858-7182

Name Douglas B. Luftman

Address (line 1) Fenwick &amp; West LLP

Address (line 2) 2 Palo Alto Square

Address (line 3) Palo Alto, CA 94306

Address (line 4)

**Pages**

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Patent Application Number(s)

Patent Number(s)

09/393,849

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**Enter PCT application number  
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Douglas B. Luftman

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Name (line 1) LEE, David D.

Execution Date  
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11 03 1999

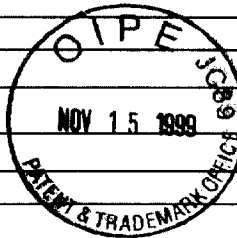
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Name (line 1)

Name (line 2)

Execution Date  
Month Day YearExecution Date  
Month Day Year

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## Application Number(s) or Patent Number(s)

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Patent Application Number(s)

Patent Number(s)



**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to SILICON IMAGE, INC., a California corporation, having a place of business at 10131 Bubb Road, Cupertino, CA 95014 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent entitled: **METHOD AND APPARATUS FOR BIDIRECTIONAL DATA TRANSFER BETWEEN A DIGITAL DISPLAY AND A COMPUTER** ("APPLICATION"), which:

☐ is to be filed herewith

☒ was filed on September 9, 1999, now bearing U.S. serial number 09/393,849 and for which a Declaration was executed by INVENTOR on the date(s) below; and

2. The entire worldwide right, title, and interest in and to:


(a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; and (c) any patents which may be granted on the applications set forth in (a) and (b) above.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

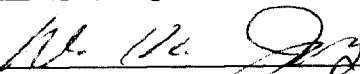
INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
 SUNGJOON KIM	<u>Oct 23</u> , 1999	<u>Oct 23</u> , 1999

Legalization:

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
 DEOG-KYOON JEONG	<u>Oct 23</u> , 1999	<u>Oct 23</u> , 1999

Legalization:

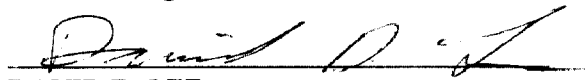
Title of Document: **ASSIGNMENT**

Re:

Title: **METHOD AND APPARATUS FOR BIDIRECTIONAL DATA TRANSFER BETWEEN A  
DIGITAL DISPLAY AND A COMPUTER**

Filed: September 9, 1999

Serial No.: 09/393,849

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
 DAVID D. LEE	11/3 .1999	11/3 .1999

State of \_\_\_\_\_

County of \_\_\_\_\_

On \_\_\_\_\_ before me, \_\_\_\_\_ personally  
[DATE] [NOTARY PUBLIC]

appeared DAVID D. LEE personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Seal

\_\_\_\_\_  
Notary