ASSIGNMENT J

Commissioner of Patents:

Please record the attached document.

1. Name of conveying party:
   a) Gerald L. Shipley
   b) David A. Castaneda
   c)

2. Name and address of receiving party:
   a) Name: LSI Logic Corporation
      Address: 1621 Barber Lane
      Milpitas, CA 95035

3. Nature of conveyance:
   ☒ Assignment   ☐ Merger
   ☐ Security Agreement   ☐ Change of Name
   ☐ Other _____   ☐ License Agreement

   Execution Date: August 23, 2005

4. Application Number or Patent Number: Unassigned

   The title of the application is: **PROCESS FOR IDENTIFYING DUPLICATE VALUES IN VERY LARGE DATA SETS**

5. Please send all correspondence concerning this document to:

   Customer Number

   024319

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): $40.00

   ☐ Enclosed.
   ☒ Charge to Deposit Account No. 12-2252 (Order No. 05-0773).
   ☒ Any additional fees are authorized to be charged to Deposit Account No. 12-2252 (Order No. 05-0773).

Date: September 12, 2005

   Francis T. Kalinski II
   Registration No. 44,177

Total number of pages including this cover sheet, attachments and documents: 2

Attorney Docket No. 05-0773/LSI1P266

(Revised 9/03)

PATENT
REEL: 016992 FRAME: 0538

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, Gerald L. Shipley and David A. Castaneda, do hereby sell, assign, and transfer to: LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1621 Barber Lane, Milpitas, California 95035, ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent,

     (X)   which has been executed by the undersigned concurrently herewith,
     ( )   which was filed on _____ and assigned Application No. _____,

and is entitled: **PROCESS FOR IDENTIFYING DUPLICATE VALUES IN VERY LARGE DATA SETS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications to patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Name: _Gerald L. Shipley_   Date: 23 aug, 2005   Witness: _Sangho Kim_
       Gerald L. Shipley   Printed   SANG HO KIM

Name: _David A. Castaneda_   Date: 23 Aug, 2005   Witness: _Kevin Yeuan_
       David A. Castaneda   Printed   Kevin Yeuan