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Patent Application Number(s)

Patent Number(s)

09/723,645

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Patent Cooperation Treaty (PCT)

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Babak S. Sani

Name of Person Signing

Signature

April 26 2001

Date

Attorney Docket No.:

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, RYU, JE-HUN and SUH, JUNG-WON of San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do
467-860, Republic of Korea

hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: DATA OUTPUT DEVICE FOR SYNCHRONOUS MEMORY DEVICE

Date(s) of execution of Declaration: April 20, 2001

Filing Date: November 27, 2000

Application No.: 09/723,645 ; and

WHEREAS, HYUNDAI ELECTRONICS INDUSTRIES CO., LTD., a CORPORATION, located at SAN 136-1,
AMI-RI, BUBAL-EUB, ICHON-SHI, KYOUNGKI-DO 467-860, REPUBLIC OF KOREA hereinafter referred to as
"ASSIGNEE" is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent
and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: April 20, 2001



RYU, JE-HUN

Dated: April 20, 2001



SUH, JUNG-WON

Dated: _____