PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	03/28/2007

CONVEYING PARTY DATA

Name	Execution Date
Chih-Wei Huang	03/28/2007
Hui-Yi Chen	03/28/2007
Ren-Chyi Yu	03/28/2007
Chih-Yuan Yu	03/28/2007

RECEIVING PARTY DATA

Name:	Taiwan Semiconductor Manufacturing Company, Ltd.	
Street Address:	No. 8, Li-Hsin Rd. 6	
Internal Address:	Science-Based Industrial Park	
City:	Hsin-Chu	
State/Country:	TAIWAN	
Postal Code:	300-77	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11695988

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	24061.878 / 2006-0834

David M. O'Dell NAME OF SUBMITTER:

PATENT

500252359 **REEL: 019110 FRAME: 0578**

Total Attachments: 2 source=24061878Assignment#page1.tif source=24061878Assignment#page2.tif

PATENT REEL: 019110 FRAME: 0579

Docket No.: 2006-0834 / 24061.878 Customer No.: 000042717

ASSIGNMENT

WHEREAS, we,

- Chih-Wei Huang, of Jhudong Township, Hsinchu County, Taiwan, R.O.C.; **(1)**
- Hui-Yi Chen, of Taoyuan City, Taoyuan County, Taiwan, R.O.C.; **(2)**
- Ren-Chyi Yu, of Dongshan Shiang, Yilan County, Taiwan, R.O.C.; and (3)
- (4) Chih-Yuan Yu, of YuanLin Jr., ChangHua County, Taiwan, R.O.C.

have invented certain improvements in

METHOD AND SYSTEM FOR SMART VEHICLE ROUTE SELECTION

for which we have executed and filed an application for Letters Patent of the United States of America, on 4-3-07, and which was assigned application serial number 11/695,988; and

WHEREAS, we authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd., ("TSMC"), No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, Republic of China. is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the

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REEL: 019110 FRAME: 0580

Docket No.: 2006-0834 / 24061.878

Customer No.: 000042717

Inventor Name:	Chih-Wei Huang
Residence Address:	6F., No. 35-5, Wufong 1st Rd. Jhudong Township, Hsinchu County 310 Taiwan, R.O.C.
Dated: 700 /	Chih Wei Huang (Inventor Signature)
Inventor Name:	Hui-Yi Chen
Residence Address:	No. 7, Alley 141, Lane 975, Sec. 1 Guiji Rd. Taoyuan City, Taoyuan County 330, Taiwan, R.O.C.
Dated: >00 7 / 0	Hui-Yi Chen (Inventor Signature)
Inventor Name:	Ren-Chyi Yu
Residence Address:	No. 15, Alley 4, Lane 3, Rixin Rd. Dongshan Shiang, Yilan County 269, Taiwan, R.O.C.
Dated: >67/	Ren-Chyi Yu (Inventor Signature)
	Ren-Chyl Yu (inventor Signature)

said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent

protection for said invention in all countries.

R-24061.878 Assignment

Inventor Name:

Residence Address:

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YuanLin Jr., ChangHuan County, Taiwan, R.O.C.

Chih-Yuan Yu

No. 364, KungMing St.

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