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PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Feng Wei Kuo	07/31/2012
Huan-Neng Chen	07/30/2012
Chewn-Pu Jou	07/30/2012
Shou-Mao Chen	07/30/2012
Der-Chuang Yeh	08/02/2012

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13557457

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ATTORNEY DOCKET NUMBER:	TSMCP151US

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NAME OF SUBMITTER:	Thomas G. Eschweiler

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TSMC Docket No. TSMC2012-0214

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Docket No. TSMCP151US
Filing Date:

PATENT ASSIGNMENT

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AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

"A BAND PASS FILTER FOR 2.5D / 3D INTEGRATED CIRCUIT APPLICATIONS"

for which:

a non-provisional application for United States Letters Patent:

☒ was executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney); or

☐ was filed on _____ and accorded U.S. Serial No. _____; or

☐ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives, the attorneys associated with Customer No. ________, to insert below in this document this APPLICATION's U.S. Serial Number and filing date, when known:

U.S. Serial No. ________________________,

filed on ________________________.

WHEREAS, ASSIGNEE (listed above), a corporation of the Republic of China is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said invention and improvements, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

✓ 2012/07/31
Date

✓ Feng-Wei Kuo
Name 1st Inventor Feng Wei Kuo

TSMC Docket No. TSMC2012-0214

U.S. Patent Appln. No.

Docket No. TSMCP151US

Filing Date:

✓ 2012/07/30

Date

✓ Huan-Neng Chen

Name 2nd Inventor Huan-Neng Chen

✓ 2012/07/20
Date

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Name 3rd Inventor Chewn-Pu Jou

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Docket No. TSMCP151US

Filing Date:

✓ 2012/07/30

Date

✓ Shuo-Mao Chen

Name 4th Inventor Shuo-Mao Chen

U.S. Patent Appln. No.
Filing Date:

✓ 08/02/2012
Date

✓
Name 5th Inventor Der-Chyang Yeh