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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ting P. Yen
Serial No.: 08/900,047
Title: METAL PLUG LOCAL INTERCONNECT
Filed: July 24, 1997
Attorney Docket No.: 0325.00124
Examiner: V. Wallace
Art Unit: 2503
In Response To: Office Action mailed October 3, 1997

#17/Respon.
1/15/98
VV

RESPONSE

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action mailed October 3, 1997,
please consider the following remarks regarding the above-captioned
patent application.

REMARKS

The presently claimed invention concerns a semiconductor
structure comprising a silicon substrate having a top surface, a
diffusion region formed in said substrate adjacent to said top

surface, a polysilicon gate formed on the top surface of the substrate juxtaposed to but not contacting said diffusion region, a sidewall spacer adjacent to the polysilicon gate and disposed above the diffusion region, an insulator layer substantially covering the polysilicon gate and the diffusion region, and a conducting plug at least partially filling a via in said insulation layer that exposes the sidewall spacer in the absence of the conducting plug. The conducting plug provides direct electrical communication between the polysilicon gate and the diffusion region.

Rejection Under 35 U.S.C. § 102(e)

The rejection of claims 3-6, 9-14 and 16-17 under 35 U.S.C. § 102(e) as being anticipated by Sugiyama U.S. Patent No. 5,600,170 is respectfully traversed.

As evidenced by the attached Declaration (the executed version of which will be filed at the earliest opportunity) the present invention was conceived prior to the filing date of Sugiyama. Therefore, this ground of rejection is unsustainable, and should be withdrawn.

REJECTIONS UNDER 35 U.S.C. 103

The rejection of Claims 2, 8 and 15 under 35 U.S.C. § 103(a) as being unpatentable over Sugiyama et al. in view of Jones, Jr. (U.S. Patent No. 5,313,089) has been obviated in view of the attached Declaration under 37 C.F.R. 1.131 and should be withdrawn.

Jones alone does not render the presently pending claims 2, 8 and 15 obvious. Jones discloses a capacitor and memory cell formed therefrom. Nothing disclosed by Jones describes or suggests the via recited in the present claims. Therefore this ground of rejection should be withdrawn.

Accordingly, the present application is in condition for allowance. Early and favorable action by the Examiner is respectfully solicited.

Received: 1/ 5/98 4:08PM;

-> BLISS McGLYNN, P.C.; Page 10

Sent by: BLISS McGLYNN, P.C.

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The Examiner is respectfully invited to call the Applicant's representative should it be deemed beneficial to further advance prosecution of the application.

If any additional fees are due, please charge our Depcsit Account No. 02-2712.

Respectfully submitted,

BLISS McGLYNN, P.C.



Andrew D. Fortney, Ph.D.,
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Reg. No. 34,600


for Luis Miguel Acosta
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Dated: January 5, 1998

Docket No.: 0325.00124

I hereby certify that this letter, the response or amendment attached hereto are being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on January 5, 1998.

By:


Julie A. Barber

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GAU 2503



IN RE APPLICATION OF: Ting P. Yen
SERIAL NUMBER: 08/900,047
FILED: July 24, 1997
FOR: METAL PLUG LOCAL INTERCONNECT
ART UNIT: 2503
EXAMINER: Wallace, V.

Attorney Docket: 0325.00124

RESPONSE TRANSMITTAL AND
EXTENSION OF TIME REQUEST

(IF REQUIRED)

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GROUP 2500

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:

Enclosed please find an amendment, Affidavit Under 37 C.F.R. 1.131 and a postcard along with the fee calculation below:
FEE CALCULATION FOR ENCLOSED AND EXTENSION REQUEST (IF ANY)

	Claims Remaining	Highest No. Previous	Extra Rate	Additional Fee
Total Claims	10 minus	20 =	0 x \$ 22.00	\$ 0.00
Independent Claims	2 minus	=	0 x \$ 80.00	\$ 0.00
Multiple Dependent Claim First Added			+ \$260.00	\$ 0.00

TOTAL IF NOT SMALL ENTITY \$ 0.00

- [] SMALL ENTITY STATUS - If applicable, divide by 2 \$ 0.00
 - [] Verified statement enclosed, if not previously filed.
 - [] Applicant also requests a _____ month extension of time for response to the outstanding Office Action. The fee is \$ 0.00
 - [] Fee set forth in 37 C.F.R. 1.17 (p) for Information Disclosure under 37 C.F.R. 1.97 (c). \$ 0.00
- TOTAL FEE \$ 0.00

The Commissioner is hereby authorized to charge any overpayment or underpayment of the above fee associated with this Communication to Deposit Account No. 02-2712. A duplicate copy of this sheet is attached.

BLISS McGLYNN, P.C.

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By: Andrew D. Fortney, Ph.D., Esq.
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Reg No.: 32,187

I hereby certify that this letter, the response or amendment attached hereto are being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on January 5, 1998.

By: Julie A. Barber
Julie A. Barber

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