

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re *Inter Partes* Review of:)
U.S. Patent No. 8,252,675)
Issued: August 28, 2012)
Application No.: 12/942,763)
Filing Date: November 9, 2010)

For: **Methods of Forming CMOS Transistors with High Conductivity Gate Electrodes**

FILED VIA PRPS

**PETITION FOR *INTER PARTES* REVIEW
OF U.S. PATENT NO. 8,252,675**

For ease of reference, Petitioner refers to this Petition as “the ’675 Petition”
challenging all claims of the ’675 patent.

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B. Ground 2: Claim 9 is rendered obvious by Yamakawa in combination with Yeh.57

EXHIBIT LIST

- 1001 U.S. Patent No. 8,252,675 (the “’675 patent”)
- 1002 File History for ’675 patent
- 1003 U.S. Pub. No. 2009/0065809 (“Yamakawa”)
- 1004 U.S. Patent No. 8,039,381 (“Yeh”)
- 1005 Curriculum Vitae of Dr. Jack Lee
- 1006 Declaration of Dr. Jack Lee in support of Petition for *Inter Partes* Review of U.S. Patent No. 8,252,675 (“Lee Decl.”)
- 1007 Provisional App. No. 61/109,317 (“Yeh Provisional”)
- 1008 Joint Identification of Claim Terms for Construction, *Samsung Electronics Co. Ltd., et al. v. NVIDIA Corp. et al.*, 3:14-cv-00757-REP (E.D. Va.)

I. INTRODUCTION

On behalf of NVIDIA Corp. (“Petitioner”) and under 35 U.S.C. § 311 and 37 C.F.R. 42.100, *inter partes* review of claims 1–15 (“challenged claims”) of U.S. Patent No. 8,252,675 (“’675 patent”), titled “Methods of Forming CMOS Transistors with High Conductivity Gate Electrodes,” is requested. According to United States Patent and Trademark Office (“Patent Office”) records, the ’675 patent was originally assigned to, and is currently owned by, Samsung Electronics Co., Ltd. (“Patent Owner”). A copy of the ’675 patent is attached as Ex. 1001, and the prosecution history is attached as Ex. 1002.

II. REQUIREMENTS FOR PETITION FOR *INTER PARTES* REVIEW

A. Grounds for Standing (37 C.F.R. § 42.104(a))

Petitioner certifies that the ’675 patent is available for *inter partes* review and that Petitioner is not barred or estopped from requesting *inter partes* review of the challenged claims of the ’675 patent on the grounds below.

B. Notice of Lead and Backup Counsel and Service Information

Under 37 C.F.R. §§ 42.8(b)(3), 42.8(b)(4), and 42.10(a), Petitioner provides the following designation of Lead and Back-Up counsel.

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