

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

OXFORD NANOPORE TECHNOLOGIES, INC.

Petitioner

v.

PACIFIC BIOSCIENCES OF CALIFORNIA, INC.

Patent Owner

Case No. Unassigned

Patent 9,678,056

PETITION FOR *INTER PARTES* REVIEW OF CLAIMS 1-16

OF U.S. PATENT NO. 9,678,056

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LIST OF EXHIBITS

Exhibit No.	Description
1001	U.S. Patent No. 9,678,056
1002	Expert Declaration of Dr. Teakjip Ha
1003	Curriculum Vitae of Dr. Teakjip Ha
1004	U.S. Patent Application Publication No. 2006/0063171 (“Akeson”)
1005	U.S. Patent Application Publication No. 2007/0196846 (“Hanzel”)
1006	Liao et al., Journal of Molecular Biology 350:452-475 (2005) (“Liao”)
1007	Declaration of Dr. Sylvia Hall-Ellis
1008	Second Declaration of Dr. Sylvia Hall-Ellis
1009	U.S. Patent No. 5,795,782 to Church et al. (“Church”)
1010	Prosecution History of U.S. Patent No. 9,678,056
1011	Prosecution History of U.S. Patent No. 8,133,672
1012	U.S. Patent No. 8,133,672
1013	Adelman et al., “Mechanochemistry of Transcription Termination Factor Rho,” Mol. Cell 22:611-612 (“Adelman”)

I. INTRODUCTION

Oxford Nanopore Technologies, Inc. (“Oxford” or “Petitioner”) requests *inter partes* review (“IPR”) under 35 U.S.C. §§ 311-319 and 37 C.F.R. § 42.100 *et seq.* of Claims 1-16 of U.S. Patent No. 9,678,056 (“the ’056 Patent”).

Petitioner asserts that there is a reasonable likelihood that the challenged claims are unpatentable and requests review of, and cancellation of, the challenged claims under 35 U.S.C. § 102 or 35 U.S.C. § 103 as outlined herein.

A. Summary of Unpatentability Grounds

Ground	Summary
1	Claims 1-5, 10-12, and 15-16 are anticipated by Akeson
2	Claims 1-2, 4 and 8-16 are obvious over Akeson and Hanzel
3	Claims 1-3 and 5-16 are obvious over Akeson and Liao
4	Claims 1-3, 5-10 and 12-16 are obvious over Akeson and Adelman

II. MANDATORY NOTICES, STANDING AND FEES

A. Mandatory Notices

Real Party in Interest: The real party in interest is Oxford Nanopore Technologies, Inc. Out of an abundance of caution, Petitioner also identifies Oxford Nanopore Technologies, Ltd., the parent company of Oxford Nanopore Technologies, Inc., and Metrichor Ltd., a corporate affiliate of Oxford Nanopore Technologies, Inc., as parties of interest.

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