

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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APPLE INC.,

Petitioner

v.

COREPHOTONICS, LTD.

Patent Owner

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IPR2020-00906

U.S. Patent No. 10,225,479

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**DECLARATION OF FREDO DURAND, PH.D.  
UNDER 37 C.F.R. § 1.68 IN SUPPORT OF PETITION  
FOR INTER PARTES REVIEW**

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## I. INTRODUCTION

1. I, Fredo Durand, have been retained by counsel for Apple Inc. (“Apple” or “Petitioner”) as a technical expert in connection with the proceeding identified above. I submit this declaration in support of Apple’s Petition for *Inter Partes* Review of U.S. Patent No. 10,225,479 (“the ’479 Patent”).

2. Compensation for my work in this matter is based on an hourly rate. In addition, reasonable and customary expenses associated with my work and testimony in this matter are reimbursed. This compensation is not contingent on the outcome of this matter, nor is it contingent on the specifics of my testimony. I have no personal or financial stake, nor any interest in the outcome of the present proceeding.

3. In the preparation of this declaration, I have studied:

- (1) APPL-1001: The ’479 Patent;
- (2) APPL-1002: The prosecution history of the ’479 Patent (’242 App.);
- (3) APPL-1005: U.S. Patent No. 7,859,588 to Parulski et al. (“Parulski”);
- (4) APPL-1006: JP Patent App. Pub. No. 2007-259108 to Soga and certified English translation (“Soga”);
- (5) APPL-1007: Jacobs et al., “Focal Stack Compositing for Depth of Field Control,” Stanford Computer Graphics Laboratory Technical Report 2012-1 (“Jacobs”);

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- (6) APPL-1009: U.S. Patent No. 8,989,517 to Morgan-Mar et al.  
 (“Morgan-Mar”);
- (7) APPL-1010: PCT Publication No. WO2013140359 to Shalon et al.  
 (“Shalon”);
- (8) APPL-1011: U.S. Patent Application Publication No. 2008/0030592  
 to Border et al. (“Border”);
- (9) APPL-1012: JPS5862609A to Kawamura, (“Kawamura”);
- (10) APPL-1014: U.S. Patent No. 6,259,863 to Maruyama, (“Maruyama”);
- (11) APPL-1016: Ralph E. Jacobson et al., The Manual of Photography –  
 Photographic and Digital Imaging (9th ed. 2000);
- (12) APPL-1017: U.S. Patent App. Pub. No. 2010/0321511 to Koskinen et  
 al. (“Koskinen”);
- (13) APPL-1018: U.S. Patent No. 7,206,136 to Labaziewicz et al.  
 (“Labaziewicz”);
- (14) APPL-1019: Milton Katz, INTRODUCTION TO GEOMETRICAL  
 OPTICS (2002) (“Katz”);
- (15) APPL-1020: Warren J. Smith, MODERN LENS DESIGN (1992)  
 (“Smith”);
- (16) APPL-1021: Declaration of Dr. Jose Sasián, Ph.D.;

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