UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

UNIFIED PATENTS, LLC,
Petitioner,

v.

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KWANGWOON UNIVERSITY RESEARCH INSTITUTE FOR INDUSTRY COOPERATION, INDUSTRY-ACADEMIA COOPERATION GROUP OF SEJONG UNIVERSITY,
Patent Owners.

Case: IPR2021-00368
U.S. Patent No. 9,736,484

DECLARATION OF JOSEPH P. HAVLICEK, PH.D. SUBMITTED IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 9,736,484

TABLE OF CONTENTS

EXHIBITS CONSIDERED

Exhibit No.	Description
1001	U.S. Patent No. 9,736,484 to Jeong, et al.
1004	File history of U.S. Patent Application No. 12/377,617 obtained from PAIR
1005	File History of U.S. Patent Application No. 13/975,251 obtained from PAIR
1006	File History of U.S. Patent Application No. 14/823,273 obtained from PAIR
1007	U.S. Patent Application Publication No. 2006/0002466 to Park ("Park")
1008	U.S. Patent No. 7,995,654 to Boon, et al. ("Boon")
1009	Korean Patent KR 0135364 B1 to Do, et al.
1010	Declaration of Corey Colling and English Translation of Korean Patent KR 0135364 to Do, et al. ("Do")
1011	International Publication No. WO 01/54416A1 to Kalevo, et al. ("Kalevo")
1012	Korean Patent KR 10-0180173 B1 to Chung, et al.
1013	Declaration of Corey Colling and English Translation of Korean Patent KR 10-0180173 B1 to Chung, et al. ("Chung")
1014	U.S. Patent No. 6,426,975 Nishi, et al. ("Nishi")
1015	Puri, et al., *Improvements in DCT-based video coding*, Proc. of SPIE 3024, Visual Communications and Image Processing '97 (Jan. 10, 1997).
1016	International Publication No. WO 94/15312 to Chu, et al.

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