

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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NISSAN NORTH AMERICA, INC.

Petitioner

V.

SIGNAL IP, INC.

Patent Owner

Patent No. 6,012,007

Filing Date: June 3, 1997

Issue Date: January 4, 2000

Title: OCCUPANT DETECTION METHOD AND APPARATUS FOR AIR  
BAG SYSTEMS

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*Inter Partes* Review No.: To be Assigned

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**PETITION FOR *INTER PARTES* REVIEW OF  
CLAIMS 1-3, 5, 9, AND 17-21 OF U.S. PATENT NO. 6,012,007  
UNDER 35 U.S.C. §§ 311-319 AND 37 C.F.R. § 42.100 *ET SEQ.***

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**EXHIBITS**

- |             |                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nissan-1001 | U.S. Patent No. 6,012,007 to Fortune et al. (“‘007 Patent”)                                                                                                            |
| Nissan-1002 | Excerpts from the Prosecution History of the ‘007 Patent (“Prosecution History”)                                                                                       |
| Nissan-1003 | Declaration of Dr. Kirsten M. Carr (“Carr Declaration”)                                                                                                                |
| Nissan-1004 | U.S. Patent No. 5,474,327 (“Schousek”)                                                                                                                                 |
| Nissan-1005 | U.S. Patent No. 5,232,243 (“Blackburn”)                                                                                                                                |
| Nissan-1006 | Corrected Joint Claim Construction Brief, <i>Signal IP, Inc. v. Nissan North America, Inc.</i> , Case No. 2-14-cv-02962 Document 70 (“Joint Claim Construction Brief”) |

## I. Introduction

Through counsel, real party-in-interest Nissan North America, Inc. (“Petitioner” or “Nissan”) hereby petitions for *Inter Partes Review* (“IPR”) under 35 U.S.C. §§ 311-319 and 37 C.F.R. § 42.100 *et. seq.* of claims 1-3, 5, 9, and 17-21 (“the Challenged Claims”) of U.S. Patent No. 6,012,007 (“the ‘007 Patent”). As explained in this petition, there exists a reasonable likelihood that Nissan will prevail in demonstrating unpatentability with respect to at least one of the Challenged Claims based on teachings set forth in at least the references presented in this Petition. Nissan respectfully submits that an IPR should be instituted and that the Challenged Claims should be canceled as unpatentable.

Nissan files this Petition along with a Motion for Joinder with Case IPR2015-01004, in which *Inter Partes* Review was instituted on October 1, 2015. This Petition is narrowly drafted to challenge only claims 1-3, 5, 9, and 17-21 and only on the grounds of unpatentability (Grounds 1 and 2) on which the Board instituted trial. Thus, this Petition is in all material respects the same as Grounds 1 and 2 of the petition in Case IPR2015-01004 – no new arguments, no new patent claims, and no new grounds of unpatentability are added to this Petition.

**I. MANDATORY NOTICES UNDER 37 C.F.R § 42.8(b)**

**A. Real Party-In-Interest Under 37 C.F.R. § 42.8(b)(1)**

Petitioner, Nissan North America, Inc., is a real party-in-interest. Nissan Motor Company, Ltd., is also a real party-in-interest.

**B. Related Matters Under 37 C.F.R. § 42.8(b)(2)**

The following judicial or administrative matters may affect or be affected by a decision in this proceeding: *Signal IP, Inc. v. Fiat U.S.A., Inc. et al.*, Case No. 2-14-cv-13864, in the U.S. District Court for the Eastern District of Michigan, filed on October 7, 2014, currently pending; *Signal IP, Inc. v. Ford Motor Company*, Case No. 2-14-cv-13729, in the U.S. District Court for the Eastern District of Michigan, filed on September 26, 2014, currently pending; *Signal IP, Inc. v. Ford Motor Company*, Case No. 2-14-cv-03106, in the U.S. District Court for the Central District of California, filed on April 23, 2014, currently pending; *Signal IP, Inc. v. Fiat USA, Inc. et al.*, Case No. 2-14-cv-03105, in the U.S. District Court for the Central District of California, filed on April 23, 2014, currently pending; *Signal IP, Inc. v. Volkswagen Group of America, Inc. d/b/a Audi of America, Inc. et al.*, Case No. 2-14-cv-03113, in the U.S. District Court for the Central District of California, filed on April 23, 2014, currently pending; *Signal IP, Inc. v. BMW of North America, LLC et al.*, Case No. 2-14-cv-03111, in the U.S. District Court for the Central District of California, filed on April 23, 2014, currently pending; *Signal IP, Inc. v. Mercedes-Benz USA, LLC et al.*, Case No. 2-14-cv-03109, in the U.S.

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