

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC d/b/a  
ON SEMICONDUCTOR  
Petitioner

v.

POWER INTEGRATIONS, INC.  
Patent Owner

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Case No. Unassigned  
Patent 7,834,605

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PETITION FOR *INTER PARTES* REVIEW OF CLAIMS 1, 2, 5, AND 9 OF U.S.  
PATENT NO. 7,834,605

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**LIST OF EXHIBITS**

1001	U.S. Patent No. 7,834,605 to Balakrishnan et al. (“the ’605 Patent”)
1002	U.S. Patent No. 7,110,270 to Balakrishnan et al. (“the ’270 Patent”)
1003	Expert Declaration of Douglas Holberg
1004	CV of Douglas Holberg
1005	U.S. Patent No. 4,692,853 to de Sartre et al. (“de Sartre”)
1006	<i>Power Integrations, Inc. v. Fairchild Semi. Int’l Inc.</i> , No. 1:08-cv-00309, Original Complaint (D. Del. May 23, 2008) (Dkt. 1)
1007	<i>Power Integrations, Inc. v. Fairchild Semi. Int’l Inc.</i> , No. 1:08-cv-00309, Memorandum Opinion (D. Del. May 23, 2008) (Dkt. 731)
1008	U.S. Patent No. 4,763,238 by Maige (“Maige”)
1009	<i>Power Integrations, Inc. v. Fairchild Semi. Int’l Inc.</i> , No. 1:08-cv-00309, Amended Complaint (D. Del. May 23, 2008) (Dkt. 401)
1010	<i>Power Integrations, Inc. v. Fairchild Semi. Int’l Inc.</i> , No. 1:08-cv-00309, Order (D. Del. May 23, 2008) (Dkt. 682)

## I. INTRODUCTION

Semiconductor Components Industries, LLC d/b/a ON Semiconductor (“ON Semiconductor” 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, 2, 5, and 9 of U.S. Patent No. 7,834,605 (“’605 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.

## II. MANDATORY NOTICES, STANDING, AND FEES

### A. Mandatory Notices

Real Party in Interest: The real parties in interest are: (i) ON Semiconductor Corporation, (ii) Semiconductor Components Industries, LLC, doing business as ON Semiconductor, and (iii) Falcon Operations Sub, Inc.

On November 18, 2015, ON Semiconductor Corporation, Falcon Operations Sub, Inc., and Fairchild Semiconductor International, Inc. (“Fairchild”) entered into an Agreement and Plan of Merger, which calls for Falcon Operations Sub, Inc. to be merged with and into Fairchild, with Fairchild surviving as a wholly-owned subsidiary of ON Semiconductor Corporation. The proposed merger has not yet closed. All of the requirements and closing conditions of the Agreement and Plan of Merger have not been satisfied, and it is uncertain when or whether the merger

Petition for *IPR* of U.S. Patent 7,834,605

will close. Fairchild has had no role in the decision to file this Petition, the content of this Petition, or the preparation of this Petition. Fairchild did not contribute in any manner to the funding for this Petition. Fairchild is not a real party in interest or a privy of any petitioner. The real parties in interest do not control and have not controlled any litigation between any affiliate of Fairchild and Power Integrations, Inc.

Related Matters: The '605 Patent was involved in a completed lawsuit entitled *Power Integrations, Inc. v. Fairchild Semi. Int'l Inc.*, No. 1:08-cv-00309 (D. Del.) (“D. Del. Litigation”). The outcome of this lawsuit is pending appeal in *Power Integrations, Inc. v. Fairchild Semi. Int'l, Inc.*, No. CAFC-15-1329.<sup>1</sup> ON Semiconductor was not and is not involved in any way with the above related matter.

Petitioner has previously filed petitions for IPR against other patents held by Patent Owner, including U.S. Patent 6,212,079 (IPR2016-000809), and U.S. Patent 6,538,908 (IPR2016-00995). In addition, Petitioner is concurrently filing petitions for IPR against other patents held by Patent Owner, including U.S. Patent 6,212,079, U.S. Patent 6,107,851, U.S. Patent 6,249,876, U.S. Patent 6,538,908,

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<sup>1</sup> Associated appeal *Power Integrations, Inc. v. Fairchild Semi. Int'l, Inc.*, No. CAFC-15-1388 was consolidated with No. CAFC-15-1329.

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