

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

PATENT NO.: 9,154,356

ISSUE DATE: October 6, 2015

TITLE: LOW NOISE AMPLIFIERS FOR CARRIER AGGREGATION

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**FEE AUTHORIZATION**

The undersigned authorizes the Office to charge \$30,500, which includes, if any, additional claims fees, to Deposit Account No. 08-0219 for the fees set forth in 37 C.F.R. § 42.15(a) for this Petition for *Inter Partes* Review. The undersigned further authorizes payment for any additional fees that might be due in connection with this Petition to be charged to the above-referenced Deposit Account.

/David L. Cavanaugh/  
David Cavanaugh  
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Wilmer Cutler Pickering  
Hale and Dorr LLP