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UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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NEVRO CORP.  
Petitioner,

v.

BOSTON SCIENTIFIC NEUROMODULATION CORP.  
Patent Owner

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*Inter Partes* Review No. 2018-00147  
U.S. Patent No. 8,650,747

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**PATENT OWNER'S PRELIMINARY RESPONSE**

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## **I. STATEMENT OF PRECISE RELIEF REQUESTED**

On November 2, 2017, Nevro Corp. (“Petitioner”) submitted a Petition for Inter Partes Review (“Petition”) challenging claims 1-19 (“Challenged Claims”) of U.S. Patent No. 8,650,747 (“the ’747 Patent”) (Ex. 1001). Boston Scientific Neuromodulation Corp. (“Patent Owner”) hereby responds to the Petition and explains below that Petitioner has not demonstrated that a reasonable likelihood exists that it would prevail as to any challenged claim.

## **II. INTRODUCTION**

The Petition challenges the patentability of the Challenged Claims with one primary reference, Stolz. The claims recite assemblies for manufacturing leads for use in spinal cord stimulation systems (SCS), which are used to treat chronic pain by providing electrical stimulation pulses to an electrode array at the lead end, placed epidurally near a patient’s spine. The leads are detachably connected to an implantable pulse generator (IPG). Because the leads are implantable medical devices, their components and dimensions must be carefully selected for biocompatibility and precision. It is also important, however, to produce SCS leads reliably and cost-effectively. To address this, the ’747 Patent combines several features into unique assemblies that are especially useful for the manufacture of SCS leads. These features include a multi-lumen body with conductor lumens arranged around a central stylet lumen, the use of multiple

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