

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.,  
Patent Owner.

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U.S. Patent No. 6,314,289  
U.S. Patent No. 6,931,084  
U.S. Patent No. 6,993,084  
U.S. Patent No. 7,061,997

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**PATENT OWNER'S POWER OF ATTORNEY**

U.S. Patent No. 6,314,289  
 U.S. Patent No. 6,931,084  
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 U.S. Patent No. 7,061,997


Pursuant to 37 C.F.R. 42.10(b), Patent Owner Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. ("Fraunhofer") hereby appoints the practitioners associated with Irell & Manella's Customer No. 29000 as its attorneys to transact all business in the United States Patent and Trademark Office in the *Inter Partes* Reviews of U.S. Patent No. 6,314,289, 6,931,084, 6,993,084 and 7,061,997. Fraunhofer further appoints Ben J. Yorks as Lead Counsel and Babak Redjaian as First Back-up Counsel, as well as David McPhie as backup counsel:

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The individual signing below has the authority to execute documents on behalf of Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.

Dated: March 14, 2018

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