Microstructural Characterization of Enhanced Conductivity Aluminum Alloys (Abstract)

CRADA #642 (PNNL #83423)

June 2024

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NanoAL LLC
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Pacific Northwest National Laboratory
Richland, Washington 99354
Abstract

In this project, Pacific Northwest National Laboratory (PNNL) will perform multimodal imaging to determine the microstructural features of enhanced conductivity aluminum alloys manufactured by NanoAL LLC. In particular, we will perform imaging to identify the basis of the strengthening mechanisms in the custom AA6X alloys provided by NanoAL LLC. These activities will be performed as part of a voucher service provided by the PNNL for the CABLE Manufacturing Prize stewarded by DOE Advanced Manufacturing Office. This 6-month effort will be executed predominantly at PNNL with a budget of $70,000.
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