

Induction Power Supply for Direct Write Metallic Additive Manufacturing

Disclosure Number

201603640

Technology Summary

The invention relates to additive manufacturing and more specifically to a device and method for directly printing metals. We have developed an induction power supply for use with direct write additive manufacturing technology. When used with a specially designed nozzle this system allows for direct heating of materials through the use of induction heating increasing efficiency and allowing for the use of metals in small scale systems.

Inventor

RIOS, ORLANDO
Materials Science and Technology Div

Licensing Contact

COCHRAN III, EUGENE R
UT-Battelle, LLC
Oak Ridge National Laboratory
6196
1 Bethel Valley Road
Oak Ridge, TN 37831

Office Phone: (865) 576-2830

E-Mail: COCHRANER@ORNL.GOV