



High-Frequency Vacuum Electronic Device

[View U.S. Patent No. 10,903,035 in PDF format.](#)

WARF: P180006US01

Inventors: Max Lagally, Daniel van der Weide, Francesca Cavallo

The Invention

A self-assembling element fabricated using integrated circuit techniques may provide a small diameter helical conductor surrounding an electron beam for the construction of a vacuum electronic device such as a traveling-wave tube for terahertz scale signal.

Additional Information

For More Information About the Inventors

- [Max Lagally](#)
- [Daniel van der Weide](#)

Tech Fields

- [Semiconductors & Integrated Circuits : Design & fabrication](#)

For current licensing status, please contact Jeanine Burmania at jeanine@warf.org or 608-960-9846