

FUSION-DRIVEN SUBCRITICAL MINOR ACTINIDE TRANSMUTER

WARF: P220315US02

Inventors: Ben Lindley, Cary Forest, Matthew Nyberg, Tim Bohm, Joshua Ruegsegger, Connor Moreno, Paul Wilson

The Invention

UW-Madison researchers have developed an apparatus for transmutation of minor actinides using neutrons from an axisymmetric mirror fusion system. The separate neutron source allows simplified subcritical operation and the axisymmetric mirror fusion system is amenable to a simple outer geometry simplifying integration with a surrounding blanket. Magnetohydrodynamic interaction may be minimized to the use of a molten salt blanket material which can be readily pumped to allow simplified fuel replenishment, tritium extraction, and the like during operation.

Additional Information

For More Information About the Inventors

Cary Forest

Tech Fields

<u>Clean Technology : Energy storage, delivery & resource efficiencies</u>

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

We use cookies on this site to enhance your experience and improve our marketing efforts. By continuing to browse without changing your browser settings to block or delete cookies, you agree to the storing of cookies and related technologies on your device. See our privacy policy

