



NUCLEAR FUEL ASSEMBLY RETROFIT FOR INCREASING REACTOR POWER

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Inventors: Ben Lindley

Overview

With recent increases in electricity prices and concerns about the climactic effect of burning fossil fuels, there is an increased interest in increasing nuclear power generation.

The Invention

A UW Madison researcher has devised a novel reactor core for fission reactors having improved power output. It uses an irregular fuel rod spacing that nevertheless retains grid-positioned control rods allowing a retrofitting of the reactor core to existing reactors without substantial modification to the pressure vessel. Generally, the fuel rod placement deviates from a regular grid and the distance between fuel rods varies.

Tech Fields

- [Clean Technology : Other clean technologies](#)
- [Nuclear : Fission](#)

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