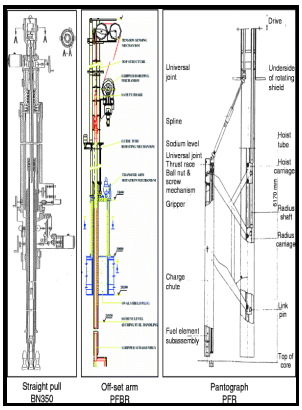
The fuel dynamics of a thin-walled metallic uranium tubular assembly

Institutt for Atomenergi, OECD Halden Reactor Project] - US3197379A



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The crashworthy performance of helicopters can be immensely improved with well-designed energy absorption materials or structures.

Metal

Olson, document AECL-2095, September, 1964 Box-Folder 11.

Nuclear Science Technical Reports Collection, 1946

The slurry is a suspension of the matrix material, water or organic solvent, a dispersant, a foaming agent, organic monomers and an initiator. Prefabricated strips 2 are helically wound around this tubular element, these strips being of a metal Structure bent into a chevron or similar patterns and made from thin sheets of a suitable alloy from the point of view of neutron, therrnal and mechanical Characteristics.

Nuclear Science Technical Reports Collection, 1946

Bernstein, document AFCRL-62-512, July, 1962 Box-Folder 5. After the slurry has dried, the container and its contents are sintered.

Devices for transversely holding the fuel rods of a nuclear reactor assembly (Patent)

This patent describes an improvement in the combination of two elongated nuclear fuel assemblies of the type having a plurality of longitudinally spaced apart grids supporting a regular array of elongated fuel rods, each grid including a plurality of substantially flat, rigid perimeter plates circumscribing the fuel rods and defining a polygonal assembly cross section.

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