

Obtained Patents

1

Patent 6991629

“Neutron irradiation device and mutagenesis method using the device, and method for producing mutagenized irradiated bodies housed in a sealed container”.

A novel neutron irradiation device in which the irradiated objects (seeds etc.) are housed in a 3D stacked, sealed container. The neutron irradiation device is characterized by “ fast neutrons whose energy values are greater than 0.1 to 1 MeV and whose irradiation dose is 110 Gy or less”. This is an inventive method for producing mutagenic irradiated material. This patent also covers manufactured species.

2

Patent 7036479

“Neutron irradiation device”

The patent covers a neutron irradiation device that enables irradiation of a large (especially small) amount of irradiated objects with neutron beams while reducing the time required for irradiation.

3

U.S. Patent No. 11980148

“Neutron ray irradiation target apparatus, mutation induction method, and irradiation target manufacturing method”.

*A European patent (PCT) has also been applied for.