A CERAMIC NUCLEAR FUEL PELLET, A FUEL ROD, AND A FUEL ASSEMBLY

A fuel assembly for a nuclear reactor, a fuel rod (4) of the fuel assembly, and a ceramic nuclear fuel pellet (10) of the fuel rod are disclosed. The fuel pellet comprises a first fissile material of UB₂. The boron of the UB₂ is enriched to have a concentration of the isotope ¹ⁱ⁸B that is higher than for natural B.