

Title (en)
NUCLEAR FUEL SINTERED BODY, PROCESS FOR PRODUCING A NUCLEAR FUEL SINTERED BODY AND FUEL ROD WITH A CLADDING TUBE

Title (de)
KERNBRENNSTOFFSINTERKÖRPER, VERFAHREN ZUM HERSTELLEN EINES KERNBRENNSTOFFSINTERKÖRPERS UND BRENNSTAB MIT EINEM HÜLLROHR

Title (fr)
ELEMENT FRITTE DE COMBUSTIBLE NUCLEAIRE, SON PROCEDE DE FABRICATION ET CRAYON COMBUSTIBLE MUNI D'UNE GAINÉ

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Application
EP 97943838 A 19970905

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Abstract (en)
[origin: WO9812708A2] A nuclear fuel sintered body, which when it burns up stresses the cladding tube of a fuel rod in an optimum minimum manner and contains a chemical compound of oxygen and at least uranium or plutonium, shows in a ceramographic ground section first (1) and second (2) micrographs associated each to a sintered granule. The first micrograph (1) has a first pore size distribution (I) and the second micrograph (2) has a second pore size distribution (II) in relation to the surface of the respective micrograph. The sum (III) of both pore size distributions has first (M1) and second (M2) maxima. A process for producing such a nuclear fuel sintered body and a fuel rod with a cladding tube and such a nuclear fuel sintered body are also disclosed.

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