

Title (en)

NUCLEAR FUEL SINTERED BODY AND PROCESS FOR PRODUCING IT

Title (de)

KERNBRENNSTOFFSINTERKÖRPER UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

CORPS FRITTE DE COMBUSTIBLE NUCLEAIRE ET SON PROCEDE DE PRODUCTION

Publication

EP 0720766 A1 19960710 (DE)

Application

EP 94926937 A 19940913

Priority

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- EP 9403060 W 19940913
- EP 93115342 A 19930922

Abstract (en)

[origin: WO9508827A1] A nuclear fuel interbody of UO_2 or one of the mixed oxides $(\text{U}, \text{Pu})\text{O}_2$, $(\text{U}, \text{Th})\text{O}_2$, $(\text{U}, \text{RE})\text{O}_2$, $(\text{U}, \text{Pu}, \text{RE})\text{O}_2$, $(\text{U}, \text{Th}, \text{RE})\text{O}_2$ and $(\text{U}, \text{Pu}, \text{Th}, \text{RE})\text{O}_2$ (RE = rare earth) has particles of boron and/or a chemical boron compound in the sintered matrix. To retain the boron, these particles are coated with a surface film consisting of a different substance from the sinter matrix and the particles. A nuclear reactor fuel element has a fuel rod containing such a nuclear fuel sintered body in a jacket rod.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR)

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