

Title (en)

NUCLEAR FUEL CLADDING ELEMENT AND METHOD FOR MANUFACTURING SAID CLADDING ELEMENT

Title (de)

KERNBRENNSTOFFVERKLEIDUNGSELEMENT UND VERFAHREN ZUR HERSTELLUNG DIESES VERKLEIDUNGSELEMENTS

Title (fr)

ÉLÉMENT DE GAINAGE DE COMBUSTIBLE NUCLÉAIRE ET PROCÉDÉ DE FABRICATION D'UN TEL ÉLÉMENT DE GAINAGE

Publication

EP 4189706 A1 20230607 (FR)

Application

EP 21752046 A 20210729

Priority

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- EP 2021071314 W 20210729

Abstract (en)

[origin: WO2022023486A1] The nuclear fuel cladding element comprises a substrate (16) made of a material based on zirconium and a protective coating (18) externally covering the substrate (16), the protective coating (18) being made of a material based on chromium, and having a columnar microstructure composed of columnar grains (20) and having on its outer surface (18B) a microdroplet density of less than 100 per mm².

IPC 8 full level

G21C 3/07 (2006.01)

CPC (source: EP US)

C23C 14/0036 (2013.01 - EP); **C23C 14/046** (2013.01 - EP); **C23C 14/14** (2013.01 - EP); **C23C 14/165** (2013.01 - EP); **C23C 14/345** (2013.01 - EP); **C23C 14/3485** (2013.01 - EP); **C23C 14/351** (2013.01 - EP); **G21C 3/045** (2018.12 - US); **G21C 3/07** (2013.01 - EP US); **G21C 3/20** (2013.01 - US); **G21C 21/02** (2013.01 - EP); **Y02E 30/30** (2013.01 - EP)

Citation (search report)

See references of WO 2022023486A1

Designated contracting state (EPC)

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Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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