

Title (en)
Laser decontamination method.

Title (de)
Dekontaminationsverfahren mittels Laser.

Title (fr)
Méthode de décontamination par laser.

Publication
EP 0091646 A1 19831019 (EN)

Application
EP 83103326 A 19830406

Priority
US 36807582 A 19820414

Abstract (en)
The laser decontamination method comprises directing a laser beam (58) at the surface of the radioactive component to be decontaminated for removing the radioactive oxide layer from the component without damaging the component. The method further comprises reflecting the laser beam from a reflective surface (36) for directing the reflected laser beam to inaccessible areas of the component to be decontaminated. In addition, the method may comprise isolating the area to be decontaminated so that the oxide film that is removed from the component may be collected so as to prevent recontamination or contamination of other components.

IPC 1-7
G21F 9/00

IPC 8 full level
B08B 7/00 (2006.01); **F22B 37/00** (2006.01); **G21F 9/00** (2006.01); **G21F 9/28** (2006.01)

CPC (source: EP KR)
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Citation (search report)
• [A] FR 2300632 A1 19760910 - ARBED [LU]
• [A] GB 1382915 A 19750205 - BRITISH NUCLEAR FUELS LTD

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US6444097B1; US11338391B2; US6048588A; FR2700882A1; EP0507641A1; FR2674983A1; US5780806A; US5643472A; EP0653762A1; US5538764A; US5958268A; EP0520847A1; FR2678418A1; EP0724929A3; US5790620A; US6084202A; US2010269851A1; DE102005009324A1; DE102005009324B4; DE102005009324B9; US9895771B2; FR2887161A1; US5821175A; US5425072A; US5531857A; GB2169496A; FR3100002A1; WO9417529A1; WO9535575A1; WO9513618A1; FR3101558A1; WO2021064304A1; EP3706140A1; DE102021110458A1; DE102021110458B4; WO2006136669A1; WO9527986A1; WO9313531A1; US10112257B1; US11045900B2; US11819939B2

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EP 83103326 A 19830406; CA 424947 A 19830330; DE 3368800 T 19830406; ES 521391 A 19830412; FR 8306046 A 19830413; JP 6205783 A 19830407; KR 830001506 A 19830411