

Title (en)

METHODS AND EQUIPMENTS FOR DECONTAMINATING A RADIOACTIVE SURFACE WITH A COHERENT LIGHT BEAM

Title (de)

DEKONTAMINIERUNGSVERFAHREN UND EINRICHTUNGEN EINER RADIOAKTIVEN OBERFLÄCHE MITTELS EINES KOHERENTEN LICHTBÜNDELS

Title (fr)

PROCEDES ET INSTALLATIONS DE DECONTAMINATION D'UNE SURFACE RADIOACTIVE AU MOYEN D'UN FAISCEAU DE LUMIERE COHERENTE

Publication

EP 0681735 B1 19970402 (FR)

Application

EP 94905154 A 19940125

Priority

- FR 9400089 W 19940125
- FR 9300723 A 19930126

Abstract (en)

[origin: WO9417529A1] A radioactive surface (10) may be decontaminated by scanning it with a focused laser beam (21) in the presence of a liquid (29) such as water or preferably a nitric acid solution over the whole surface. The liquid (29) may particularly form a film trickling down the surface and is advantageously recirculated. Highly efficient decontamination is thus achieved.

IPC 1-7

G21F 9/00; **G21F 9/30**

IPC 8 full level

G21F 9/30 (2006.01)

CPC (source: EP)

G21F 9/30 (2013.01)

Citation (examination)

FICHIER INSPEC (LONDRES GB) AN. 4171325 "LASER-CLEANING TECHNIQUES FOR REMOVAL OF SURFACE PARTICULATES" & JOURNAL OF APPLIED PHYSICS, 01.04.1992, vol. 71, NR 7, P.3515-3523, TAM ET AL.

Cited by

FR3031116A1; US11685054B2; TWI803118B

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FR 2700882 A1 19940729; FR 2700882 B1 19950303; DE 69402414 D1 19970507; DE 69402414 T2 19971023; EP 0681735 A1 19951115; EP 0681735 B1 19970402; ES 2102825 T3 19970801; WO 9417529 A1 19940804

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