

Title (en)

Process and equipment for working with a laser in a contaminated area of a nuclear plant.

Title (de)

Verfahren und Einrichtung zum Arbeiten mit Laser in einer kontaminierten Zone einer Nuklearanlage.

Title (fr)

Procédé et équipement de travail au laser dans une zone contaminée d'une installation nucléaire.

Publication

EP 0507641 A1 19921007 (FR)

Application

EP 92400622 A 19920310

Priority

FR 9104189 A 19910405

Abstract (en)

According to this process a pulsed laser beam is emitted out of the contaminated area (at 12), this beam is transported as far as a location close to the said surface and, at this location, the beam is amplified (at 15) and the amplified beam is directed onto the said surface. Application to the decontamination of the primary circuit of pressurised-water nuclear reactors. <IMAGE>

IPC 1-7

G21F 9/00

IPC 8 full level

G21F 9/28 (2006.01); **B08B 7/00** (2006.01); **F22B 37/00** (2006.01); **G21F 9/00** (2006.01)

CPC (source: EP KR)

B08B 7/0042 (2013.01 - EP); **F22B 37/003** (2013.01 - EP); **G21F 9/005** (2013.01 - EP); **G21F 9/30** (2013.01 - KR)

Citation (search report)

- [YD] EP 0091646 A1 19831019 - WESTINGHOUSE ELECTRIC CORP [US]
- [A] FR 2300632 A1 19760910 - ARBED [LU]
- [A] GB 2118028 A 19831026 - MAXWELL LAB
- [Y] WORLD PATENTS INDEX LATEST Derwent Publications Ltd., London, GB; AN 86-323709 & JP-A-61 242 273 (FUJI) 28 Janvier 1986
- [A] WORLD PATENTS INDEX LATEST Derwent Publications Ltd., London, GB; AN AN-88-327038 & JP-A-63 241 399 (TOSHIBA) 6 Octobre 1988

Cited by

CN104438227A; CN113198802A; CN112605068A; FR2879101A1; EP0724929A3; US5790620A; US6084202A; GB2391691A; GB2391691B; US8369473B2; FR3100002A1; WO2006064156A1

Designated contracting state (EPC)

BE CH DE ES FR LI SE

DOCDB simple family (publication)

EP 0507641 A1 19921007; **EP 0507641 B1 19950920**; CA 2062623 A1 19921006; DE 69204879 D1 19951026; DE 69204879 T2 19960404; ES 2078681 T3 19951216; FR 2674983 A1 19921009; FR 2674983 B1 19940805; KR 920020528 A 19921121; RU 2084978 C1 19970720; TW 201356 B 19930301; ZA 922453 B 19931004

DOCDB simple family (application)

EP 92400622 A 19920310; CA 2062623 A 19920310; DE 69204879 T 19920310; ES 92400622 T 19920310; FR 9104189 A 19910405; KR 920004586 A 19920320; SU 5011049 A 19920324; TW 81101579 A 19920302; ZA 922453 A 19920403