

Title (en)

Process for working with a laser in a contaminated zone of a nuclear power plant and device for carrying out the process.

Title (de)

Verfahren zum Arbeiten mit Laser in kontaminiertem Gebiet einer Kernkraftanlage und Vorrichtung zur Durchführung des Verfahrens.

Title (fr)

Procédé de travail au laser dans une zone contaminée d'une installation nucléaire, et équipement pour sa mise en oeuvre.

Publication

EP 0520847 A1 19921230 (FR)

Application

EP 92401465 A 19920527

Priority

FR 9107897 A 19910626

Abstract (en)

According to this process, the working energy, in the form of at least two pulsed laser beams, is generated outside the contaminated zone (at 12A, 12B); this energy is conveyed by means of at least two optical fibres (18A, 18B) to a position near to the surface to be treated; at this position, the laser beams are combined (at 15) so as to produce at least one resultant laser beam (37); and this beam is sent onto the said surface, possibly via at least one return mirror. Application to the decontamination of the primary circuit in pressurised-water nuclear reactors. <IMAGE>

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G21F 9/00

IPC 8 full level

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CPC (source: EP)

B08B 7/0042 (2013.01); **F22B 37/003** (2013.01); **G21F 9/005** (2013.01)

Citation (search report)

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- [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

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