

Title (en)

Maintenance system for a reactor incore piping section

Title (de)

Eingriffssystem zur Wartung eines Leitungsabschnitts im Inneren eines Reaktorkerns

Title (fr)

Système d'intervention pour l'entretien d'un tronçon de tuyauterie dans le coeur d'un réacteur

Publication

EP 0977207 B9 20090225 (EN)

Application

EP 99114681 A 19990727

Priority

JP 21158098 A 19980727

Abstract (en)

[origin: EP0977207A1] An incore piping section maintenance system of a reactor comprises a maintenance system main body which is fixed to a maintenance target portion in a reactor pressure vessel or in the vicinity thereof to which a preventive-maintenance operation is executed, a support mechanism provided for the maintenance system main body so as to be movable in a reciprocal manner towards the maintenance target portion, a laser generator for generating a laser beam, a laser de-sensitization treatment apparatus which is rotatably supported around an axis of the support mechanism and which includes a laser irradiation section for irradiating the laser beam to the maintenance target portion and an optical transmission element which guides the laser beam outputted from the laser generator to the laser de-sensitization treatment mechanism. <IMAGE>

IPC 8 full level

G21C 17/003 (2006.01); **G21C 17/017** (2006.01); **G21C 19/00** (2006.01); **G21C 19/02** (2006.01)

CPC (source: EP US)

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DE FR SE

DOCDB simple family (publication)

EP 0977207 A1 20000202; **EP 0977207 B1 20080625**; **EP 0977207 B8 20080813**; **EP 0977207 B9 20090225**; DE 69938951 D1 20080807; JP 2000046987 A 20000218; US 2001033631 A1 20011025; US 6259759 B1 20010710; US 6549602 B2 20030415

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