

Title (en)

MICROWAVE APPLICATOR AND ITS APPLICATION FOR REMOVING CONTAMINATED CONCRETE SURFACE LAYERS

Title (de)

MIKROWELLENAPPLICATOR UND SEINE VERWENDUNG ZUM EHTFERNEN VON VERSEUCHTEN OBERFLÄCHE VON BETON

Title (fr)

APPLICATEUR DE MICRO-ONDES, ET SON APPLICATION A LA SCARIFICATION SUPERFICIELLE DU BETON CONTAMINE

Publication

EP 1016324 B1 20030409 (FR)

Application

EP 98904246 A 19980129

Priority

- FR 9800165 W 19980129
- FR 9701102 A 19970131

Abstract (en)

[origin: FR2759239A1] The microwaves coming from a guide (5) are focused towards a zone (F2) located on a concrete wall surface (2) for evaporating the free water contained until the concrete is cracked. The applicator is characterised in that it comprises a cylindrical envelope (4) with an elliptical base and a piece (11) arranged at a focal zone (F1) of the envelope, diffusing the incident waves towards the envelope wall where they are reflected towards the focusing zone (F2) at the ellipse second focal point. The invention is particularly useful for dismantling nuclear plants.

IPC 1-7

H05B 6/74; **H05B 6/80**

IPC 8 full level

H05B 6/72 (2006.01); **H05B 6/74** (2006.01); **H05B 6/80** (2006.01)

CPC (source: EP US)

H05B 6/701 (2013.01 - EP US); **H05B 6/708** (2013.01 - EP US); **H05B 6/76** (2013.01 - EP US); **Y10S 588/90** (2013.01 - EP US)

Cited by

WO2010097205A2

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

FR 2759239 A1 19980807; **FR 2759239 B1 19990305**; DE 69813262 D1 20030515; DE 69813262 T2 20040205; EP 1016324 A1 20000705; EP 1016324 B1 20030409; JP 2001511295 A 20010807; US 6157013 A 20001205; WO 9834435 A1 19980806

DOCDB simple family (application)

FR 9701102 A 19970131; DE 69813262 T 19980129; EP 98904246 A 19980129; FR 9800165 W 19980129; JP 53258698 A 19980129; US 35530099 A 19990728