

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 A1 20000705 (FR)**

Application

**EP 98904246 A 19980129**

Priority

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- 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)

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