

Title (en)

APPARATUS FOR DESTROYING METAL OBJECTS SUCH AS NEEDLES

Title (de)

VORRICHTUNG ZUR VERNICHTUNG VON METALLTEILEN, INSBESONDERE VON NADELN

Title (fr)

APPAREIL DESTRUCTEUR D'ELEMENTS METALLIQUES TELS QUE DES AIGUILLES

Publication

EP 0886531 A1 19981230 (FR)

Application

EP 97914396 A 19970314

Priority

- FR 9700457 W 19970314
- FR 9603367 A 19960314

Abstract (en)

[origin: WO9733639A1] An apparatus with a housing (1) containing a first, stationary lower plate electrode (9) and a second, movable upper plate electrode (10), wherein both plate electrodes are electrically conductive, mutually insulated and electrically connected to respective terminals of a battery (7). The second plate electrode (10) is freely movable, spaced apart from the first plate electrode (9) and provided with an opening (17). A syringe needle (16) to be destroyed may be inserted into the opening (17) such that it contacts both plate electrodes (9, 10) and an electric current flows through the needle to melt and thus destroy said needle. The molten metal resulting from the destruction of the needle (16) falls into a collecting compartment (18). An electric current control circuit inhibits operation when the electrodes are dirty. A reliable apparatus guaranteeing the destruction of the needle (16) to provide effective decontamination is thus achieved.

IPC 1-7

A61M 5/32

IPC 8 full level

A61L 11/00 (2006.01); **A61G 12/00** (2006.01); **A61M 5/32** (2006.01)

CPC (source: EP)

A61M 5/3278 (2013.01); **A61M 2005/3283** (2013.01)

Citation (search report)

See references of WO 9733639A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9733639 A1 19970918; CA 2248943 A1 19970918; CN 1213321 A 19990407; EP 0886531 A1 19981230; FR 2746017 A1 19970919; FR 2746017 B1 19980626; JP 2000507851 A 20000627; MX 9807417 A 19981231; TW 329390 B 19980411

DOCDB simple family (application)

FR 9700457 W 19970314; CA 2248943 A 19970314; CN 97193036 A 19970314; EP 97914396 A 19970314; FR 9603367 A 19960314; JP 53234197 A 19970314; MX 9807417 A 19980911; TW 86103043 A 19970312