Title (en)

METHOD AND APPARATUS FOR INDIVIDUAL DESTRUCTION OF SYRINGE NEEDLES BY MELTING UNDER THE EFFECT OF ELECTRIC CURRENT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ZERSTÖRUNG VON SPRITZENNADELN DURCH SCHMELZEN UNTER EINWIRKUNG VON ELEKTRISCHEM STROM

Title (fr)

PROCEDE ET APPAREIL POUR LA DESTRUCTION INDUVIDUELLE DES AIGUILLES DE SERINGUE PAR FUSION SOUS L'EFFET D'UN COURANT ELECTRIQUE

Publication

EP 1028767 A1 20000823 (FR)

Application

EP 98954513 A 19981104

Priority

- FR 9802357 W 19981104
- FR 9713974 A 19971106

Abstract (en)

[origin: FR2770406A1] The invention concerns a method and an apparatus for individual destruction of syringe needles by melting under the effect of a high intensity electric current. Said apparatus comprises a lower electrode (15) adapted to receive the free end of a needle (12) and to form with it an electric contact, electrically connected to a first terminal (35) of an electric power source (2), a first upper electrode (18) electrically connected to a second terminal (34) of an electric power source (2), and a second upper electrode (27) adapted to be placed in electric contact with the needle (12) surface substantially radially opposite the first upper electrode (18), said second upper electrode (27) being electrically connected to the first terminal (35). The needle (12) is destroyed by being melted flush with the hub (41) between the two electrodes (18, 27).

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); A61M 5/31 (2006.01)

CPC (source: EP US)

A61M 5/3278 (2013.01 - EP US); A61M 2005/3107 (2013.01 - EP US); A61M 2005/3283 (2013.01 - EP US)

Citation (search report)

See references of WO 9924096A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

FR 2770406 A1 19990507; **FR 2770406 B1 20000128**; AU 1159499 A 19990531; BR 9813962 A 20000926; CA 2309303 A1 19990520; EP 1028767 A1 20000823; JP 2001522661 A 20011120; US 6376792 B1 20020423; WO 9924096 A1 19990520; WO 9924096 A8 19990617; WO 9924096 A8 19990812

DOCDB simple family (application)

FR 9713974 A 19971106; AU 1159499 A 19981104; BR 9813962 A 19981104; CA 2309303 A 19981104; EP 98954513 A 19981104; FR 9802357 W 19981104; JP 2000520180 A 19981104; US 53078400 A 20000505