

Title (en)

Method and high capacity equipment for chemical and/or radiological decontamination

Title (de)

Verfahren und Hochleistungsanlage zur chemischen und/oder radiologischen Dekontaminierung

Title (fr)

Procédé et installation de décontamination chimique et/ou radiologique de grande capacité

Publication

EP 1059403 A1 20001213 (FR)

Application

EP 00401591 A 20000606

Priority

FR 9907266 A 19990609

Abstract (en)

Decontamination comprises showering contaminated personnel individually with an amphoteric and chelating liquid for 5-20 seconds, collecting the used liquid and regenerating it with a view to its re-use. Decontamination comprises showering contaminated personnel individually with an amphoteric and chelating liquid, e.g. Diphoterine (RTM) for a period of 5 - 20 seconds, collecting the used liquid and regenerating it with a view to its re-use. An Independent claim is also included for an installation for the above process, in which the used liquid from each shower (1) is collected in a tray (14) and fed into a tank (9) with detectors (19, 20) which measure the degree of contamination and add more of the active product from a container (22), so that the liquid is completely and constantly regenerated. The installation has two or more centrally-positioned showers, each with multiple jets on columns around it, changing rooms and a decontamination unit for papers and personal effects.

IPC 1-7

E04H 1/12; **G21F 9/00**

IPC 8 full level

E04H 1/12 (2006.01); **G21F 9/00** (2006.01)

CPC (source: EP US)

E04H 1/1277 (2013.01 - EP US); **G21F 9/001** (2013.01 - EP US); **Y10S 4/90** (2013.01 - US)

Citation (search report)

- [Y] FR 2583035 A1 19861212 - KERN & GROSSKINSKY [DE]
- [YA] US 4850380 A 19890725 - KOSLOW EVAN E [US]
- [A] US 4796311 A 19890110 - SHANKMAN JAY [US]
- [A] US 5666984 A 19970916 - MORIKAWA KENJI [JP], et al
- [A] FR 2533447 A1 19840330 - FERRIS GAZDASAGI TARSASAG [HU]
- [A] EP 0799612 A2 19971008 - KAO CORP [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 002, no. 100 (C - 020) 18 August 1978 (1978-08-18)

Cited by

FR2841369A1; WO2004101902A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1059403 A1 20001213; **EP 1059403 B1 20070822**; AT E371072 T1 20070915; CA 2311272 A1 20001209; CA 2311272 C 20080408; DE 60036051 D1 20071004; DE 60036051 T2 20080521; ES 2291179 T3 20080301; FR 2794633 A1 20001215; FR 2794633 B1 20010810; US 6446277 B1 20020910

DOCDB simple family (application)

EP 00401591 A 20000606; AT 00401591 T 20000606; CA 2311272 A 20000607; DE 60036051 T 20000606; ES 00401591 T 20000606; FR 9907266 A 19990609; US 58911900 A 20000608