

Title (en)

PROCESS AND DEVICE FOR DECONTAMINATING BULK CONTAMINATED SUBSTANCES, ESPECIALLY SOIL.

Title (de)

VERFAHREN UND VORRICHTUNG ZUM DEKONTAMINIEREN VON VERSEUCHTEN SCHÜTTGÜTERN, INSBESONDERE ERDBÖDEN.

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE DECONTAMINER DES MATIERES EN VRAC CONTAMINEES, NOTAMMENT DES SOLS.

Publication

**EP 0674550 A1 19951004 (DE)**

Application

**EP 93924002 A 19931009**

Priority

- DE 9300974 W 19931009
- DE 4242752 A 19921217

Abstract (en)

[origin: WO9413413A1] The description relates to a process for decontaminating bulk substances (12), especially soil, which are contaminated with heavy metals and/or hydrocarbons in liquid, paste and solid form, e.g. oils, fats, fuels and solvents. In order to simply and safely decontaminate substances (12) thus contaminated, especially paedospherical soils, the substances (12) or soil are piled on the top of a plate or block-shaped moulding (2) of a substance which adsorbs heavy metals and/or absorbs or accepts hydrocarbons and which is screened on the underside by an permeation-resistant blocking layer (7). Water is then trickled (13) over the substances (12) and the water-soluble heavy metals and/or the hydrocarbons are washed out of the substances (12) by the water and taken to the moulding (2). The water-soluble heavy metals and/or the hydrocarbons are adsorbed and/or absorbed by the material of the moulding (2) while the water is taken away therefrom.

IPC 1-7

**B09B 3/00**

IPC 8 full level

**B01D 33/04** (2006.01); **B09B 3/00** (2006.01); **B09C 1/00** (2006.01); **B09C 1/02** (2006.01)

CPC (source: EP)

**B01D 33/04** (2013.01); **B01D 33/056** (2013.01); **B09B 3/80** (2022.01); **B09C 1/00** (2013.01); **B09C 1/02** (2013.01)

Citation (search report)

See references of WO 9413413A1

Designated contracting state (EPC)

DE GR

DOCDB simple family (publication)

**DE 4242752 A1 19940623**; AU 5368194 A 19940704; EP 0674550 A1 19951004; WO 9413413 A1 19940623

DOCDB simple family (application)

**DE 4242752 A 19921217**; AU 5368194 A 19931009; DE 9300974 W 19931009; EP 93924002 A 19931009