

Title (en)  
NATURAL -ORIGIN ENZYMATIC BIOREMEDIATION WITH WIDE APPLICABILITY, THE SUBSTRATE BEING AN ENVIRONMENT CONSISTING OF EXTRACTS FROM OLEAGINOUS VEGETABLE SOURCES ADDED TO AN ISOMER MIXTURE

Title (de)  
BIOLOGISCHE SANIERUNG MIT BREITER ANWENDBARKEIT AUF DER BASIS VON ENZYMEN NATÜRLICHEN URSPRUNGS UND UMGEBUNG AUS ZU EINER ISOMERMISCHUNG HINZUGEFÜGTEN EXTRAKTEN AUS ÖLHALTIGEN PFLANZEN ALS SUBSTRAT

Title (fr)  
BIOREMÉDIATION ENZYMATIQUE D'ORIGINE NATURELLE AUX APPLICATIONS VARIÉES, LE SUBSTRAT ÉTANT UN ENVIRONNEMENT CONSTITUÉ D'EXTRAITS DE SOURCES VÉGÉTALES OLÉAGINEUSES AJOUTÉES À UN MÉLANGE D'ISOMÈRES

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**EP 2593406 A1 20130522 (EN)**

Application  
**EP 10745684 A 20100714**

Priority  
NO 2010000284 W 20100714

Abstract (en)  
[origin: WO2012008841A1] The present development brings a technical innovation for manipulating natural-origin enzymatic elements developed by using enzymes for biopolymerization of a specific environment with digester/biodegrades characteristics, using as substrate an environment consisting of extracts of oleaginous vegetable sources added to a mixture of isomers, where there is a synthesis reaction creating expressive conditions for bioremediation of liquid carbon substances in the environment, in water, soil or non-porous surfaces. It is a process of using enzymes for bioremediation in a substrate, which due to its basic substances' characteristics, presents an inexpressive toxicity, high floatability degree and the ability to absorb contaminant in a ratio weight/weight in the range of 2.000% to 2.500%, and in the ratio volume/volume in the range of 100% to 200%. In the present process we present a technological innovation for manipulation of natural-origin enzymatic elements, using them in a specific way and for a specific purpose, which due to these characteristics, when in contact with liquid carbon substances provide a considerable reduction of the biodegradability time and the transformation of the bioremediator/polluent mix when collected in fully organic compost.

IPC 8 full level  
**C02F 1/68** (2006.01); **B09C 1/10** (2006.01); **C02F 3/34** (2006.01); **E02B 15/00** (2006.01)

CPC (source: EP)  
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See references of WO 2012008841A1

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