

Title (en)
NOVEL PESTICIDE FORMULATIONS

Title (de)
NEUARTIGE PESTIZIDFORMULIERUNGEN

Title (fr)
NOUVELLES FORMULATIONS DE PESTICIDES

Publication
EP 2482802 A1 20120808 (EN)

Application
EP 10820940 A 20100929

Priority
• US 27778609 P 20090929
• US 2010002633 W 20100929

Abstract (en)
[origin: WO2011040956A1] Bioactive substances are imbedded or mixed into functionalized matrices to form homogenous water-insoluble solid complexes with desirable field properties such as reduced leaching in soil, improved leaf retention, selective unloading to roots and convenient packaging and application. Bioactive substances of this disclosure include pharmaceutical agents and pesticides including herbicides, insecticides, bacteriocides, rodenticides, nematocide and fungicides. The matrices comprise a monomeric-, oligomeric- or (co)polymeric backbone which may be derivatized with chemical groups exhibiting ionic (amines, carboxyls), hydrophobic, and ligandbinding interactions to form the matrix of the formulation. The various matrices may be mixed with additives or modifiers, grafted, or fused to obtain optimal properties. The formulations may be applied as granules, suspensions, emulsions in sprays, foams, or coats for seeds and fertilizers. Alternatively they may be melted and sprayed as concentrates. The formulations may be applied to foliage, soil, irrigation water, construction materials, seeding materials, grains, and buildings.

IPC 8 full level
A01N 25/10 (2006.01); **A01N 25/26** (2006.01); **A61K 9/14** (2006.01)

CPC (source: EP)
A01N 25/10 (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2011040956 A1 20110407; AU 2010301135 A1 20120412; EP 2482802 A1 20120808; EP 2482802 A4 20130807

DOCDB simple family (application)
US 2010002633 W 20100929; AU 2010301135 A 20100929; EP 10820940 A 20100929