

Title (en)
COFORMULATION OF AN OIL-SOLUBLE HERBICIDE AND A WATER-SOLUBLE HERBICIDE AS STABLE OIL-IN-WATER EMULSION OR MICROEMULSION

Title (de)
KOFORMULIERUNG EINES ÖLLÖSLICHEN HERBIZIDES UND EINES WASSERLÖSLICHEN HERBIZIDES ALS STABILE ÖL-IN-WASSER EMULSION ODER MICROEMULSION

Title (fr)
CO-FORMULATION D'HERBICIDE SOLUBLE DANS L'HUILE ET D'HERBICIDE SOLUBLE DANS L'EAU

Publication
EP 1359800 A2 20031112 (EN)

Application
EP 02728358 A 20020214

Priority
• US 0205734 W 20020214
• US 33134801 P 20010214
• US 26919301 P 20010215

Abstract (en)
[origin: WO02078442A2] A stable, liquid concentrate herbicidal composition is provided. The composition comprises a water-soluble herbicide in a continuous aqueous phase and an oil-soluble herbicide in a discontinuous oil phase.
[origin: WO02078442A2] A stable, liquid concentrate herbicidal composition or microemulsion is provided, comprising a water-soluble herbicide in a continuous aqueous phase and oil-soluble herbicide in a discontinuous oil phase. The general composition of the provided emulsion is the following: (i) a water-soluble herbicide in water, (ii) an oil-soluble herbicide. and (iii) a stabilizing amount of one or more water-soluble chlorides and one or more surfactants present in a concentration sufficient to provide acceptable physical stability of the emulsion and provide acceptable dispersion of the emulsion upon dilution thereof in a suitable volume of water for application to plants; and/or (iv) at least one emulsifying agent being present in a concentration sufficient to provide acceptable physical stability of the emulsion; in the examples (i) is glyphosate and (ii) carfentrazone-ethyl.

IPC 1-7
A01N 25/04; **A01N 25/22**; **A01N 57/20**

IPC 8 full level
A01N 25/04 (2006.01); **A01N 25/22** (2006.01); **A01N 25/30** (2006.01); **A01N 57/20** (2006.01); **A01P 13/00** (2006.01)

CPC (source: EP)
A01N 25/04 (2013.01); **A01N 57/20** (2013.01)

C-Set (source: EP)
1. **A01N 57/20** + **A01N 43/653** + **A01N 25/22** + **A01N 25/04**
2. **A01N 57/20** + **A01N 43/653** + **A01N 25/04**
3. **A01N 57/20** + **A01N 2300/00**

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02078442 A2 20021010; **WO 02078442 A3 20030103**; AR 032691 A1 20031119; AR 035747 A1 20040707; AU 2002245479 A1 20020828; BR 0207259 A 20040210; CA 2437741 A1 20021010; CN 1514686 A 20040721; CZ 20032183 A3 20040218; EP 1359800 A2 20031112; HU P0303734 A2 20040329; MX 237457 B 20060602; MX PA03007280 A 20031204; MX PA03007371 A 20031204; PL 364247 A1 20041213; RU 2003127742 A 20050310; WO 02063955 A2 20020822; WO 02063955 A3 20030320

DOCDB simple family (application)
US 0205734 W 20020214; AR P020100502 A 20020214; AR P020100503 A 20020214; AU 2002245479 A 20020214; BR 0207259 A 20020214; CA 2437741 A 20020214; CN 02806710 A 20020214; CZ 20032183 A 20020214; EP 02728358 A 20020214; HU P0303734 A 20020214; MX PA03007280 A 20020214; MX PA03007371 A 20020214; PL 36424702 A 20020214; RU 2003127742 A 20020214; US 0205144 W 20020214