

**RAPORT CORECTAT DE DOCUMENTARE SUPLIMENTARĂ LA RAPORTUL
INTERNĂȚIONAL**

(Corrected Supplementary Search Report to International SR)

I. Datele de identificare a cererii	
(21) Nr. depozit: a 2008 0220	(32) Data de prioritate recunoscută: 24.03.2006
(22) Data depozit: 2007.03.13	Raport de documentare internațională: DA
(54) Titlul: Compoziție erbicidă pe bază de sulfoniluree și procedeu de combatere a plantelor nedorite cu utilizarea acesteia	
(71) Solicitant: ISHIHARA SANGYO KAISHA, LTD, JP	
(51) (Int.Cl): Int.Cl: A01N 25/30 (2006.01) A01N 25/14 (2006.01)	
A01N 47/34 (2006.01) C11D 1/34 (2006.01)	
A01N 47/36 (2006.01) C11D 1/78 (2006.01)	
A01N 41/06 (2006.01) C11D 1/72 (2006.01)	
A01P 13/00 (2006.01)	
II. Condiții de unitate a invenției:	satisface <input type="checkbox"/> nu satisface
Note:	
III.Revendicările inițiale: claritatea, susținerea de descriere	
<input type="checkbox"/> satisface <input checked="" type="checkbox"/> nu satisface (parțial)	
Note: Rev 1-8, 13-21 nu sunt clare - se referă de fapt, conform tutor exemplilor de realizare, la compoziții preparate <i>in situ</i> în cadrul metodelor de combatere revendicate. Ingredientii revendicați se combină împreună doar în compoziția finală lichidă înainte de aplicare. Aplicarea ingredientilor (succesiunea, separat ori împreună) nu este clară din revendicările privind metodele de combatere (rev. 5-8 și 13-16).	
IV. Colecții și Baze de date de brevete cercetate (denumirea, suplimentar la indicii de clasificare (IPC) - termeni caracteristici (KW); ecuații de căutare reprezentative, după caz); dacă nu este specificat –KW se referă la Title/Abstract	
MD - Intern « Documentare Invenții » (inclusiv cereri nepublicate; <u>trunchiere automată stanga/dreapta</u>); dacă nu este specificat –KW in Rezumat):	
Solicitant: ISHIHARA ;	
Full-text search (Description): sulfuron AND fosf ; sulfonilure AND surfactan ; sulfonilure AND (agent activ de supraf) ; sulfonilure AND (agenți activi de supraf); sulfonilure AND fosfat ; NIKKOL ;	
"Espacenet-Worldwide"	
CPC: Y10S514/941 ; Y10S514/975 ; C11D1/345 ; «phosphate surfactants» ; «phosphate type surfactants» ; «phosphate containing surfactant» ; «phosphate ester surfactants» ; «phosphate ester based surfactants» ; «acid ester surfactants» ; «phosphoric acid ester» ; «phosphate esters» ; «phosphoric ester» ; «polyethoxy phosphate ester» ; «ethoxylated phosphate» ; «phosphated alkanol» ; «phosphated alcohol ethoxylates» ; «phosphorylated surfactant» ; «phosphorylated ethoxylated» ; «phosphated ethoxylated» ; «alkyl ethoxylates» ; «alcohol ethoxylated surfactants» ; «polyoxyalkylene alcohol phosphate» ; «phosphorylated fatty alcohol ethoxylates» ; «alkyl polyglycol ether phosphate» ; «alkyl polyglycol ether phosphoric acid esters» ; «polyoxyalkylene oxide» ; «polyethyle oxide» ;	

«polyoxyalkylenated phosphoric acid» ; «polyoxyethylenated phosphoric acid» ;
sulfonamide ; «N acyl sulfonamide» ;
«activity enhancing» ; «activity enhanced» ; «increasing herbicide activity » ; «increasing the
herbicidal activity» ; «biocide activator» ; «pesticide activator» ; «herbicide activator» ; effect
enhancer ; penetration promoter ; penetration enhancer ; «enhancing uptake» ; «high biocidal
effect» ; «increasing potency of» ;
ethoxylate* AND phosphate* ;
«sulfonyl urea» AND surfactant* AND A01n47 AND Publ. Date=1990 :20060324 ;
«sulfonyl urea» AND A01n25 AND Publ. Date=1990 :20060324 ;
sulfonylurea* AND phosph* ; sulfonyl AND urea AND phosph* ;
sulfonylurea* AND (surfactant* OR tenside*) ;
sulfonyl AND urea AND (surfactant* OR tenside*) ;
sulfonylurea* AND polyoxyalkylene AND phosphate* ;
sulfonyl AND urea* AND polyoxyalkylene AND phosphate* ;
sulphonylurea* AND phosph* AND A01N* ; sulphonylurea* AND (surfactant OR tenside)
sulphonyl AND urea* AND phosphate* ;
sulphonylurea* AND polyoxyalkylene AND phosphate* ;
sulphonyl AND urea* AND polyoxyalkylene AND phosphate* ;
(sulfonyl* OR sulphonyl*) AND A01N25/30 ;
(sulfonyl* OR sulphonyl*) AND enhanc* ;
(herbicide* OR pesticide*) AND A01N AND (C11D1/34 OR C11D1/78) ;
publ.date=1990:20060324 AND A01N AND (C11D1/34 OR C11D1/78) ;
(herbicide* OR pesticide*) AND CPC=(A01N AND (C11D1/345 OR C11D1/78)) ;
phosph* AND (alkanol* OR alkanol*) AND A01n47 ;
phosph* AND herbicide AND A01n47 ;
phosph* AND PD=1990:200603 AND A01N47/36 AND A01N25/30 ;
“phosphate type surfactant” AND A01N ;
“polyoxyalkylene alkyl” AND “ether phosphate” AND A01N ;
“polyoxyethylene alkyl” AND “ether phosphate” AND A01N ;
“polyoxyalkylene alkyl ether” AND “phosphate ester” AND A01N ;
polyoxy* ANS phosph* AND Applicant=(Kao OR Hokko) AND A01N ;
polyoxy* ANS phosph* AND Inventor=Iwasaki AND A01N ;

"Espacenet-WO/EP Full text":

«polyoxyalkylene alkyl ether phosphate» ; «polyoxyethylene alkyl ether phosphate» ;
polyoxyalkylenetherphosph* ; polyoxyethylenetherphosph* ; sulphonylurea* AND phosphate AND
A01N ; nikkol AND sulfonylurea ;
flzasulfuron AND polyoxyethylene AND phosphate AND Publ.date=1990:20060324 AND A01N ;
sulphonylurea* AND phosphate AND surfactants AND (PD=1995:20060325) AND (IPC= A01N) ;
Title:sulfonamide* AND (polyoxyalkylene OR polyoxyethylene) AND (phosphate OR phosphoric)
AND A01N ; «phosphate type surfactants» ;

Espacenet Smart Search:

txt=sulfonylurea prox/unit=sentence txt=phosph* ;

Patentscope:

EN_CL:(polyoxyalkylene alkyl ether phosphate sulfonylurea) ;
EN_CL:(polyoxyethylene alkyl ether phosphate sulfonylurea) ;
EN_CL:(polyoxy* phosph* sulfonylurea) ;
EN_CL:(ethoxylat* phosph* sulfonylurea) ; EN_CL:(«phosphated ethoxylated») AND IC:A01N ;
EN_CL:(«phosphoric esters») AND IC:A01N ;
EN_DE:nikkol AND EN_CL:sulfonylurea ; EN_CL:(sulfuron phosph*) ;
EN_CL:(flzasulfuron OR nicosulfuron) AND EN_CL:(polyoxy* phosph*) ;

EN_DE:(«polyoxyalkylene alkyl ether phosphoric acid» sulfonylurea) AND IC:A01N ;
 EN_DE:(«polyoxyalkylene alkyl ether phosphate» sulfonylurea) AND IC:A01N AND DP:[1990 to 24.03.2006] ; EN_DE: alkyletherphosphate AND PD:[1990 to 2006] AND IC:A01N ;

JPO IPDL, FI/F-term Search:

FI= A01N47/34@E ; A01N47/36,101@E ; F-term Theme: 4H011 ;
 F-Terms: AB01, BA05, BC17, BC18, BC19, DA13, DA15, DD04, DH03 ;
 FI/F facets: Theme=4H011, Publication date 19900101- 20060324,
 [A0N47/34@E*+A01N47/36,101@E]*AB01*BA05*BB14*BC17*BC18*BC19*[DA13+DA15]*
 *DD04*DH03 ;
 A01N47/36*AB01*BA05*BC17*BC19*DH03 ;
 A01N47/34@E*A01N47/36,101@E*AB01*BA05;

DEPATISnet (Expert search mode):

BI = (?sulfuron (P) phosph? (P) polyoxy?) AND IC= A01N? AND PUB <= 24.03.2006 ;
 BI = (?harnstoff? AND (phosph? (P) polyoxy?)) AND IC= A01N? AND PUB <= 24.03.2006 ;
 BI = (sulfonyl? (P) phosph? (P) polyoxy?) AND IC= A01N? AND PUB <= 24.03.2006 ;
 BI = (?!sulfonylurea AND ?phosphate) AND IC=A01N? AND PA=Ishihara AND PUB <= 24.03.2006 ;
 BI = (sulfonyl? AND ?phosph?) AND IC=A01N? AND PA=Ishihara AND PUB <= 24.03.2006 ;

DEPATISnet (Beginner Search mode):

A01N?/IC AND (polyoxyethylenealkyletherphosp? AND sulfonyl?)/BI ;

PATBASE:

DSC=(sulfonylurea W10 phosphate) ; DSC=(*sulfuron W5 phosphate) ;
 CL=(*sulfuron AND surfactant* AND phosphate) and IC=A01N ;

EA (Eapatis), Rosspatent: -

сульфонилмочевин* AND поверхность* AND A01N* ;

V. Baze de date și colecții de literatură nonbrevet cercetate

Google.Scholars ; Google: sulfonylurea + herbicides + «phosphate surfactant» ;
 sulfonylurea + herbicides + polyoxy* + alkyl + ether + phosphate ;
 sulfonylurea + herbicides +polyoxy*+ phosphoric+acid+esters ;

VI. Documente considerate a fi relevante

Categoria*	Date de identificare ale documentelor citate si, unde este cazul, indicarea pasajelor pertinente	Numărul revendicării vizate
X, E	EA 200800847 A1 2008-10-30 Description, exemp. 9 "Hostaphat B310"; Claims 3, 7 ("этоксисульфурон") &: WO 2007036585 A2 2007-04-05 (cited as D1 in written opinion of the ISA for WO2007119435).	1-21
X, E	WO 2007/037152 A1 2007-04-05 Description, pag. 14, lines 11-12 & MD20080028 2008.10.31; & MD 4114 B1 2011-06-30.	1-21
&, X, E	MD 4114 B1 2011-06-30	1-21

	Descrierea, pag. 6, randul 41 "polioxietilen alchil eter fosfat".	
X, E	WO 2007/018060 A1 2007-02-15 Claims 3-5; & MD 20080006 2008-06-30; &: MD 4116 B1 2011-07-31.	2, 4, 6, 10, 14, 16, 19-21
&, X, E	MD 4116 B1 2011-07-31 Descrierea, pag. 4 rand 52-53, pag. 5, rand 1-2, 33 ("polioxialchilen alchil eter fosfat").	2, 4, 6, 10, 14, 16, 19-21
X, E	WO 2006/098156 A2 2006-09-21 &: MD 20070239 2008-02-29; &: MD 4136 B1 2011-11-30.	1-4, 17-18
&, X, E	MD 4136 B1 2011-11-30 Descriere pag. 5 randul 9 "polioxietilen alchil eter fosfat"; Revendicări 3, 4.	1-4, 17-18
X	GB 2157952 A 1985-11-06 The whole document.	1-18
X	JP 6197202 A 1986-05-15 & EP 173964 A2 1986-03-12 Description, pag. 5-6 paragraphs "herbicides", pag. 20 paragraph (ii); Claims 5.	1-21
X	JP 2005145901 A 2005-06-09 Description (Espacenet machine translation): paragraph [0015], [0021], [0025]; Claims	1-21
X	US 5869428 A 1999-09-01 Description col. 19 line 26; Claims 7, 8.	1-21
X	WO 2006019772 A1 2006-02-23 documentul integral, in special pag. 15-16 (compartiment "Sulfonylurea herbicides"); pag. 43-44, formulas (II) and (IV); pag. 45, lines 16-26; Claims 1, 3, 5-7, 11.	1-21
X	US 6559098 B1 2003-05-06 Description, column 2, lines 25-28; column 12, lines 30-42; column 14, Example 1; column 19, Table 2, see Klearfac AA-270;	1-21
X	CA 2360624 A1 2000-08-03 Description, pag. 14, formula (XVIII); Claims 1, 11, 18.	1-21
X	US 4936900 A 1990-06-26 The whole document.	2, 19-21
X	EP733629 A1 1996-09-25 Description page 17 line 16; page 18, paragraph (7).	1-18
X	US 6667276 B1 2003-12-23 Description column 5, paragraph (b2), lines 36-42; column 19, index numbers 1), 2), 6); Claims 1, 7, 9, 11, 12, 13;	1-21
X	US 5518991 A 1996-03-21 Description column 2-3; column 4, lines 21-24, 35-36; Claims 1	1-21
X	CA 2510028 A1 2004-07-01 Description: pag. 2, line 28; pag. 3 lines 13-33; pag.4-6; pag. 17, lines 15-29; pag. 18 lines 18-32; pag. 20, line 4-5 (alkyl polyglycol ether phosphates...); Claims 1, 2, 4 (...alkyl polyglycol ether phosphates)	1-21
Y	WO 0078139 A2 2000-12-28	1-4, 17-18

	Description pag. 6, lines 3-18; Claims 6.	
Y	WO 0207519 A1 2002-01-31 &, L: US 6770594 B2 2004-08-03 (document is cited because it is english language equivalent of german parent document) Description columns 2-6; 12, paragraph b7); column 13, line 64, mention of "MgSO4"; columns 23-24; Claims 3, 4, 12-17, 21.	1-19
Y	US 4912245 A 1990-03-27 Description, column 2, lines 45-47; column 4, lines 61-68; Claims 1, 3.	1-18
Y	US 6162764 A 2000-12-19 Description, column 3, lines 4, 5, 19; column 4, line 18; column 5, lines 1-20.	1-8
Y	US 6313074 B1 2001-11-06 Description, column 3, lines 42-43; column 7, lines 36-40.	1-18
Y	EP 789999 A2 1997-08-20 Description pag. 3 lines 17-18; Claims 1, 5, 7.	1-19
Y	JP 6340509 A 1994-12-13 &: EP 598515 A1 1994-05-25 Description pag. 6 lines 42-43; Claims 7.	1, 5, 13
&, Y, D	EP 598515 A1 1994-05-25 Description, pag. 6, lines 42-43	1, 5, 9, 13
Y	JP 62155202 A 1987-07-10 PAJ, reference to "stabilizer".	2, 19, 20
Y	JP 10182302 A 1998-07-07 Espacenet machine translation: Description, paragraph [0009] subparagraph (3), [0015], [0017]; Claims 4.	1-21
Y	JP 2000313685 A 2000-11-14 Description (IPDL machine translation), paragraphs [0008], [0023].	1-21
Y	JP 06157213 A 1994-06-23 Description (IPDL machine translation), paragraphs [0009], [0014], [0015].	1-21
Y	JP 2000313683 A 2000-11-14 Description (Espacenet machine translation), paragraph [0008]; [0023].	1-21
Y	JP 06211610 A 1994-08-02 Description (IPDL machine translation), paragraphs [0006], [0009].	1-21
Y	US 20050085392 A1 2005-04-21 Description pag. 3-4, paragraphs [0051], [0053], [0056]-[0060], [0062], [0064]; Claims 16.	1-18
Y	WO 2005009132 A1 2005-02-03 Description pag. 20 lines 4-5; Claims 5, 6.	1-18
Y	WO 0113724 A1 2001-03-01 Description, page 6, paragraph (B-4), "polyoxyethylene (C12~C18alkyl) phosphates", page 7, 11 paragraph 2; Claims 8, 9; (cited as D8 with relevance category A in mentioned above written opinion of ISA).	1-18
Y	WO 2002011538 A2 2002-02-14	1

	Description page 7, paragraph 4; page 11, "Application example 4"; Claims 3.	
Y	WO 2005082148 A1 2005-09-09 Description page 3, lines 14-15; page 10 paragraph (7).	1-21
Y	WO 1998028976 A1 1998-07-09 Description pag. 3 lines 34-35, pag. 6 lines 30-32, pag. 14 lines 21-24; Claims 8, 21 ("nicosulfuron").	1-18
Y	WO 00/47044 A1 2000-08-07 Description, page 5, lines 12, 15, 18, 24; page 6, line 25; Claims 9, 11.	1-18
Y	EP 124295 A2 1984-11-07 Description pag. 9, line 6-15.	2, 19-21
Y	EP313317 A2 1989-04-26 Description pag. 2, pag. 3 line 16 "polyoxyalkylene alkyl phosphates".	1-18
Y	EP 1344454 A1 2003-09-17 Description, page 5 paragraph [0035] "polyoxyalkylene mono- or di-alkylphosphate"; page 8 paragraph [0057].	1-21
Y	EP 764404 A1 1997-03-26 Description page 3, line 9, pag.4, paragraph 7.	1-21
Y	EP 1500650 A1 2005-01-26 Description, paragraph [0086] "a polyoxyethylene alkyl ether phosphate"; paragraph [0090] subparagraph (7).	1-21
Y	EP471284 A1 1992-02-19 Description page 4, formula [II]; page 7 lines 36-58; page 8 lines 42-44.	1-18
Y	EP 1559319 A1 2005-08-03 Description, paragraphs [0021], [0027].	1-18
Y	US 5554576 A 1996-09-10 Description column 1, lines 24-39; column 3, lines 30-67; column 4, lines 31-34; Claims 1,2,24,27	1-21
Y	WO 2000025586 A1 2000-05-11 Description pag.2, paragraph 2 ("alkyl...polyglycol ether phosphoric acid esters"); pag. 3, paragraph 2; pag. 4, paragraph 3 ("...may be added without problems such additives for increasing biological activity")	1
Y	US 6093679 A 2000-07-25 Description column 6, lines 39-40, column 9, lines 25-29	1-21
Y	US 4834908 A 1989-05-30 Description column2, lines 24-35; column 4, lines 38-45; Claims 1, 11, 18-23	1-21
A, E	US 7615232 B2 2009-11-10 (application publ.on 2005-04-21) Description: column 2, lines 35-40; column 4, lines 5-10; column 5, lines 30-50.	1-4, 17-18

*** categoriile speciale ale documentelor citate:**

A – document care definește stadiul anterior general	T – document publicat după data depozitului sau a priorității invocate, care nu aparține stadiului pertinent al tehnicii, dar care este citat pentru a pune în evidența principiul sau teoria pe care se bazează invenția
X – document de relevanță deosebită: invenția revendicată nu poate fi considerată nouă sau implicând	E – document anterior dar publicat la data depozit național reglementar sau după aceasta dată

activitate inventivă când documentul este luat în considerație de unul singur	
Y – document de relevanță deosebită: invenția revendicată nu poate fi considerată ca implicând activitate inventivă când documentul este asociat cu unul sau mai multe documente de aceeași categorie	D – document menționat în descrierea cererii de brevet
O - document referitor la o divulgare orală, un act de folosire, la o expoziție sau la orice alte mijloace de divulgare	C – document considerat ca cea mai apropiată soluție
	& – document, care face parte din aceeași familie de brevete
P - document publicat înainte de data de depozit, dar după data priorității invocate	L – document citat cu alte scopuri
Data ultimei reiterări în documentare 2015.01.26	
Examinator JOVMIR Tudor	