

AGENTIA DE STAT PENTRU PROPRIETATEA INTELECTUALA A REPUBLICII
MOLDOVA

**RAPORT CORECTAT DE DOCUMENTARE, SUPLIMENTAR LA CEL
INTERNAȚIONAL**

(Corrected Supplementary Search Report to ISR)

I. Datele de identificare a cererii	
(21) Nr. depozit: a 2008 0220	(32) Data de prioritate recunoscută: 2006.03.24
(22) Data depozit: 2007.03.13	Raport de documentare internațională: DA
(71) Solicitant: ISHIHARA SANGYO KAISHA, LTD, JP	
(54) Titlul: Compoziție erbicidă	
II. Clasificarea obiectului invenției:	
(51) Int.Cl: <i>A01N 25/30</i> (2006.01) <i>A01N 25/14</i> (2006.01)	
<i>A01N 47/36</i> (2006.01) <i>C11D 1/34</i> (2006.01)	
<i>A01N 47/34</i> (2006.01) <i>C11D 1/78</i> (2006.01)	
<i>A01N 41/06</i> (2006.01) <i>C11D 1/72</i> (2006.01)	
<i>A01P 13/00</i> (2006.01)	
III. 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; trunchiere automată stânga/dreapta):	
MD - Intern « Documentare Invenții » (inclusiv cereri nepublicate; trunchiere automată stânga/dreapta ; dacă nu este specificat –KW în Rezumat):	
Solicitant: ISHIHARA ;	
Full-text search (Description): sulfuron AND fosf ; sulfonamid 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* ; sulfonamide* ; «ALS inhibitors» ;
 «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* ;
 ((cpcc = «a01n47/36» AND cpcc = a01n2300) AND cpc = «a01n25/30) AND txt = sulphonylurea ;

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 ;

CL = ?sulfuron AND CL = ?phosphate AND CL = ethoxylate? AND BI = enhanc? AND IC = A01N? AND PUB <= 20060326 ;

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* ;

IV. 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 ;

V. 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 Descrierea, pag. 6, rândul 41 "polioxietilen alchil eter fosfat".	1-21

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 rând 52-53, pag. 5, rând 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 rândul 9 "polioxietilen alchil eter fosfat"; Revendicări 3, 4.	1-4, 17-18
X, D	EP 598515 A1 1994-05-25 Description, pag. 6, lines 42-43	1, 5, 9, 13
X	US 5518991 A 1996-03-21 Description column 2-3; column 4, lines 21-24, 35-36; Claims 1	1-21
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.	1-4, 17, 18
X	JP 2005145901 A 2005-06-09 Description (Espacenet machine translation): paragraph [0015], [0021], [0025], [0041]; Claims	1-21
X	US 5869428 A 1999-09-01 Description col. 19 line 26; Claims 7, 8.	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;	1-4
X	WO 2006019772 A1 2006-02-23 documentul integral, în special pag. 15-16 (compartiment "Sulfonylurea herbicides"); pag. 43-44, formulas (II) and (IV); pag. 45, lines 16-26; Claims	1-21
X	EP 764404 A1 1997-03-26 Description page 3, line 9, pag. 4, paragraph 7.	1-4
X	US 6667276 B1 2003-12-23 Description: column 4 lines 58-59; column 5 paragraph (b2); column 5 lines 36-42; column 19 index numbers 1), 2), 6); Claims 1, 7, 9, 11, 12, 13;	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"), 9, 10	1-21
X, C	US 6743754 B2 2004-06-01 Description column 1, lines 10-16; column 2, line 6, lines 43-44, line 59; column 4 line 32; column 19, lines 14-28; Claims	1-21
X	GB 2157952 A 1985-11-06 The whole document.	1-18
X	US 5554576 A 1996-09-10	1-21

	Description column 1, lines 24-39; column 3, lines 30-67; column 4, lines 31-34; Claims 1, 2, 24, 27	
Y	US 4936900 A 1990-06-26 The whole document.	2, 19-21
Y	WO 0078139 A2 2000-12-28 Description pag. 6, lines 3-18; Claims 6.	1-4, 17-18
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 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 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 06211610 A 1994-08-02 Description (IPDL machine translation), paragraphs [0006], [0009].	1-21
Y	US 20050085392 A1 2005-04-21 Description pag.1, [0010], [0011]; 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 Description page 7, paragraph 4; page 11, "Application example 4"; Claims 3.	1
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	WO 200025586 A1 2000-05-11 Description pag.2, paragraph 2 ("alkyl and alkylaryl polyglycol ether phosphoric acid esters"); pag. 3, paragraph 2; pag. 4, paragraph 3 ("...may be added without problems such additives for increasing biological activity")	1-4
Y	EP 124295 A2 1984-11-07 Description pag. 9, line 6-15.	2, 19-21
Y	EP 313317 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 1500650 A1 2005-01-26 Description, paragraph [0086] "a polyoxyethylene alkyl ether phosphate"; paragraph [0090] subparagraph (7).	1-21
Y	EP 471284 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 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

*** 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 activitate inventivă când documentul este luat în considerație de unul singur	E – document anterior dar publicat la data depozit național reglementar sau după aceasta dată
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 finalizării documentării 2017.03.30

Examinator JOVMIR Tudor