

Search history

Search 1: fungicide or insecticide or nutrient or (fertilizer 1d powder) or (soil 1d amendment) or micronutrients or adjuvant or conditioner (Results 752059)
Search 2: (Corona w1 discharge) or triboelectric (Results 64274)
Search 3: COAT# OR COVER# OR OVERLAY (Results 1000000)
Search 4: 1 and 2 and 3 (Results 1826)
Search 5: pd<20150310 (Results 1000000)
Search 6: 4 and 5 (Results 1520)
Search 7: IC=(C05) (Results 142611)
Search 8: 6 and 7 (Results 6)

Title: ENCAPSULATING SUBSTANTIALLY SOLUBLE PORTION OF CORE MATERIAL IN SUBSTANTIALLY SOLUBLE SHELL MATERIAL OF DIFFERENT SOLUBILITY

Abstract: ABSTRACT OF THE DISCLOSURE

Encapsulation of liquid, semisolid, or solid core materials in shell material by atomizing and drying a single phase solution of core and shell materials. In one system ment using a mutual solvent-preferential solvent system of chloroform and isopropanol, the core material is the polymeric reaction product of isopropylidenediphenoxypropanol and adipic acid, and the wall material is the reaction product of a dimer acid with a linear diamine. In another embodiment using a mutual solvent-mutual nonsolvent system of chloroform and heptane, the core material is the polymeric reaction product of isopropylidenediphenoxypropanol and adipic acid, and the wall material is polystyrene. The core or shell, or both, may be pigmented or dyed. The capsules produced have numerous uses including their use as an electrostatographic toner.

Classifications:

International (IPC 8-9): B01J13/02 B01J13/04 B01J13/12 C05G3/00 G03G9/093 (Advanced/Invention); B01J13/04 (Advanced/Non-invention); B01J13/02 B01J13/04 B01J13/06 C05G3/00 G03G9/093 (Core/Invention)

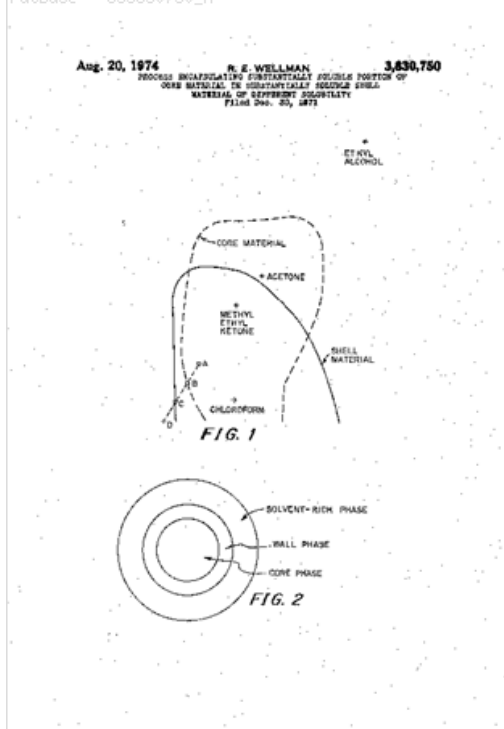
International (IPC 1-7): B01D53/02 B01J13/00 B01J13/02 B44D1/02 B44D1/08 B65D G03C G03G9/00

CPC: Y10T428/2984 Y10T428/2987 Y10T428/2989 G03G9/09392 B01J13/125 C05G3/0017

European: B01J13/12B C05G3/00B2D G03G9/093F

US: 252/31.6 252/316 252/363.5 252/364 264/4 264/4.6 427/213.3 428/402.2 428/402.22 428/402.24 430/110.2 430/137.11 430/138 523/206

PatBase - US3830750_A



Family:

Publication number	Publication date	Application number	Application date
AU197250633 A1	19740815	AU19720050633	19721229
BE793246 A	19730622		00000000
BE793246 A1	19730622	BE19720125751	19721222
BR7208781 A0	19730927	BR19720008781	19721213
CA983328 A1	19760210	CA19720153658	19721011
DE2255102 A1	19730712	DE19722255102	19721110
ES410224 A1	19760416	ES19720410224	19721229
FR2165941 A1	19730810	FR19720044125	19721212
FR2165941 B1	19780210	FR19720044125	19721212
GB1411954 A	19751029	GB19720058825	19721220
IT973317 A	19740610	IT19720034015	19721229
JP48090977 A2	19731127	JP19720117634	19721122
NL7217788 A	19730703	NL19720017788	19721229
US3830750 A	19740820	US19710214031	19711230

Priority:

US19710214031 19711230

Probable Assignee: XEROX CORP

Assignee(s): (std): XEROX CORP

Assignee(s): XEROX CORP ROCHESTER N Y V ST A ; XEROX CORP US ; XEROX CORP XEROX SQUARE ROCHESTER NEW YORK E U A ; WELLMAN RUSSEL E

Inventor(s): (std): WELLMAN R ; WELLMAN RUSSEL E ; WELLMAN R E ; WELLMAN RUSSEL ELMER

Inventor(s): WELLMAN R US ; WELLMAN RUSSEL ELMER PITTSFORD N Y V ST A ; RUSSEL E WELLMAN ; R E WELLMAN ; WELLMAN RUSSEL ELMER PITTSFORD NY VSTA ; RE WELLMAN

Title: Electrostatic treatment of milled crude potash salts containing kieserite

Abstract: A process is disclosed for the preparation of milled crude potash salts containing kieserite, whereby the crude potash salt is conditioned at first with a chemical conditioning agent and subsequently with an auxiliary conditioning agent, whereupon the crude potash salt is fed to an electrostatic free fall separator.

Classifications:

International (IPC 8-9): B03C7/00 C01D3/08

C01F5/00 (Advanced/Invention);

B03C7/00 C01D3/00 C01F5/00 (Core/Invention)

International (IPC 1-7): B03B1/04 B03C7/00 B03C7/12 C01D3/04

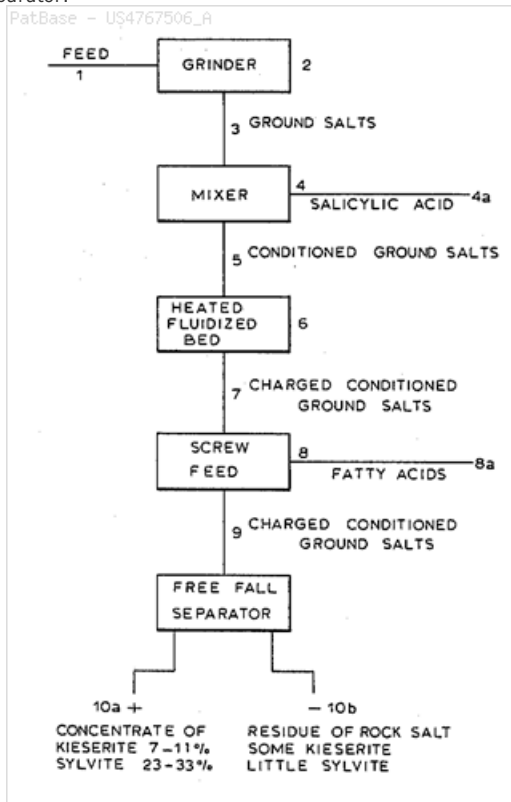
C01D3/08 C01F5/40 C05D1/00 C05D1/04 C05D1/04 C05D1/4

C05D5/0 C05D5/00 C05D5/00 C22B26/00

CPC: B03C7/003 B03C7/006 C01D3/08 C01F5/00

European: B03C7/00A B03C7/00D C01D3/08 C01F5/00

US: 204/127.4 209/127.1 209/127.4 209/129 209/9



Family:

Publication number	Publication date	Application number	Application date
CA1250251 A1	19890221	CA19850488767	19850815
DD239731 A5	19861008	DD19850281782	19851016
DE3439042 A1	19860430	DE19843439042	19841025
DE3439042 C2	19880728	DE19843439042	19841025
ES548161 A0	19860316	ES19850548161	19851024
ES8605397 A1	19860316	ES19850548161	19851024
FR2572310 A1	19860502	FR19850014856	19851008
FR2572310 B1	19900706	FR19850014856	19851008
GB2166067 A1	19860430	GB19850025530	19851016
GB2166067 B2	19871028	GB19850025530	19851016
GB8525530 A0	19851120	GB19850025530	19851016
SU1433406 A3	19881023	SU19853947153	19850830
US4767506 A	19880830	US19870081525	19870803

Priority:

DE19843439042 19841025 US19850792832 19851025

Probable Assignee: KALI AND SALZ AG

Assignee(s): (std): KALI AND SALZ AG

Assignee(s): KALI U SALZ AG ; KALI U ZALTS AG FA ; KALI U ZALTS FIRMA AG ; KALI UND SALZ AG ; KALI UND SALZ AG 3500 KASSEL DE ; KALI UND SALZ AG DE ; KALI UND SALZ AKTIENGESellschaft ; KALI UND ZALTS AG FIRMA

Inventor(s): (std): FRICKE GUENTER ; FRICKE GUENTER DR ; FRIKE GYUNTER ; FRICKE GUNTER

Inventor(s): FRICKE GUENTER DE ; FRICKE GUENTER DR 6430 BAD HERSFELD DE ; GUENTER FRICKE ; GUNTER FRICKE ; GYUNTER FRIKE DE

Title: COMPOSITIONS AND METHODS FOR CAUSING, ENHANCING, AND/OR EXPEDITING BIODEGRADATION OF ARTICLES

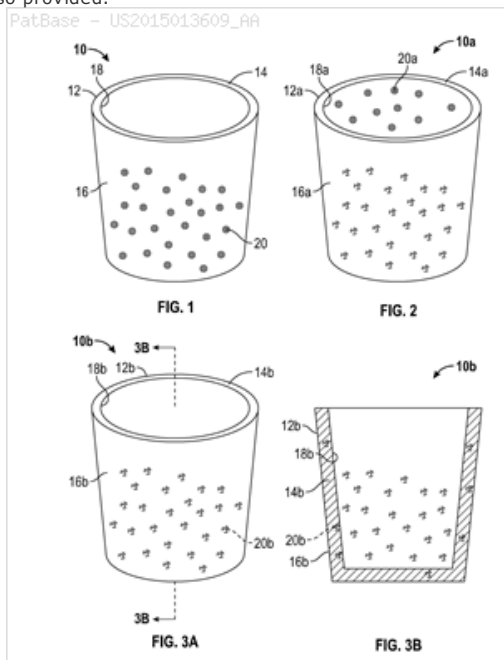
Abstract: Kits and assemblies for causing, enhancing, and/or expediting consumption of an article by at least one living organism are disclosed. Methods of producing and using same are also provided.

Classifications:

International (IPC 8-9): A01G1/04 A01G13/04 A01G18/00 A01G9/02 A01G9/08 A01K61/80 A01K67/033 A47G19/03 B32B1/00 B32B23/06 B32B23/08 B32B25/06 B32B25/08 B32B27/06 B32B27/08 B32B27/10 B32B29/00 B32B5/18 B65D65/46 B65D85/50 B65D85/52 C05B15/00 C05C11/00 C05F11/00 C08K13/00 C08K5/09 C08K5/56 C09D5/00 C12N11/00 C12N9/02 C12N9/08 C12N9/14 C12N9/16 D21H23/22 (Advanced/Invention)

CPC: B32B29/002 A01K67/033 Y10T428/31504 Y10T428/31515 Y10T428/31786 Y10T428/3179 Y10T428/31797 Y10T428/31801 Y10T428/31808 Y10T428/31826 Y10T428/31841 Y10T428/31895 Y10T428/31902 Y10T428/31913 Y10T428/31938 Y10T428/31993 Y10T428/31996 Y10T442/2525 Y02W90/13 Y10T428/13 Y10T428/1334 Y10T428/24802 Y10T428/249987 C08J7/047 C08J2300/16 D06N3/0056 D06N7/00 D06N2209/1614 C09D5/00 C12N9/16 C12N9/14 C12N9/0055 C12N9/0065 C12N9/0053 D21H23/22 C12Y110/03002 C12Y111/01013 C12Y111/01014 C12Y109/03001 B32B5/18 A01G13/04 B65D85/505 B65D85/52 A47G19/03 B65D65/466 B65D2565/382 A01K61/80 A01G9/021 A01K67/0332 A01G18/00

US: 119/6.5 119/6.7 252/186.25 252/186.33 427/427.7 428/17 428/195.1 428/318.4 428/34.1 428/35.2 428/411.1 428/414 428/480 428/481 428/483 428/484.1 428/486 428/492 428/496 428/511 428/513 428/516 428/523 428/537.5 428/537.7 428/704 435/174 442/123 47/1.1



Family:

Publication number	Publication date	Application number	Application date
US2015013609 AA	20150115	US20130940993	20130712
US2015013610 AA	20150115	US20130944198	20130717
US2015013611 AA	20150115	US20140168451	20140130
US2015037865 AA	20150205	US20140520022	20141021
US2016208107 AA	20160721	US20160083802	20160329
US2016262315 AA	20160915	US20160161822	20160523
US2017094957 AA	20170406	US20160383263	20161219
US2018220633 AA	20180809	US20180940054	20180329
WO15006556 A1	20150115	WO2014US46143	20140710
WO15006560 A1	20150115	WO2014US46149	20140710

Priority:

US20130940993	20130712	US20130944198	20130717	US20140168451	20140130
WO2014US46149	20140710	US20140520022	20141021	US20160083802	20160329
US20160161822	20160523	US20160383263	20161219	US20180940054	20180329

Probable Assignee: WANDA M WEDER AND WILLIAM F STRAETER NOT INDIVIDUALLY BUT SOLELY TRUSTEES OF FAMILY AS

Assignee(s): (std): STRAETER WILLIAM F NOT INDIVIDUALLY BUT SOLELY TRUSTEE OF FAMILY TRUST U T A DATED 12 8 1995 AS ; WANDA M WEDER AND WILLIAM F STRAETER NOT INDIVIDUALLY BUT SOLELY TRUSTEES OF FAMILY AS ; WANDA M WEDER AND WILLIAM F STRAETER NOT INDIVIDUALLY BUT SOLELY TRUSTEES OF FAMILY AS ; WANDA M WEDER AND WILLIAM F STRAETER NOT INDIVIDUALLY BUT SOLELY TRUSTEES OF FAMILY AS ; WANDA WEDER AND WILLIAM STRAETER NOT INDIVIDUALLY BUT SOLELY TRUSTEES OF FAMILY TRUST U T A AS ; WANDA M WEDER AND WILLIAM F STRAETER NOT INDV BUT SOLELY TRUSTEES OF FAM TRUST U T A AS ; WEDER DONALD E ; WEDER WANDA M NOT INDIVIDUALLY BUT SOLELY TRUSTEE OF FAMILY TRUST U T A DATED 12 8 1995 AS ; WANDA WEDER AND WILLIAM STRAETER NOT INDIVIDUALLY BUT SOLELY TRUSTEES OF FAMILY TRUST U T A D AS

Assignee(s): STRAETER WILLIAM F ; WANDA M WEDER AND WILLIAM F STRAETER NOT INDV BUT SOLELY TRUSTEES OF FAM TRUST U T A AS ; WEDER WANDA M

Inventor(s): (std): WEDER DONALD E

Agent(s): HESTER KATHRYN L

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: MICROBICIDAL COMPOSITION

Abstract: The invention provides a process for preparing a microbicidal composition for agricultural use from particles of a heavy metal, its salts, and/or complexes, and particles of one or more crosslinked copolymer to form a substantially homogeneous particulate composition. The invention further provides a soil improving and fertilising composition and a method in agriculture or horticulture using said composition.

Classifications:

International (IPC 8-9): A01N59/16 (Advanced/Invention);
A01N59/16 (Core/Invention)

International (IPC 1-7): A01N C05F11/00 C05G1/00 C05G3/00

CPC: A01N59/16

European: A01N59/16

Family:

Publication number	Publication date	Application number	Application date
WO04084628 A2	20041007	WO2004ZA00031	20040319
WO04084628 A3	20041209	WO2004ZA00031	20040319

Priority:

ZA20030002268 20030324 ZA20030002268 20030324

Probable Assignee: AQUASOIL PTY LTD

Assignee(s): (std): AQUASOIL PTY LTD ; MERWE PIETER GIDEON VAN D ; VAN DER MERWE PIETER GIDEON

Assignee(s): MERWE PIETER GIDEON AQUASOIL PTY LTD VAN D ; AQUASOIL LTD ; AQUASOIL PTY LIMITED

Inventor(s): (std): MERWE PIETER GIDEON VAN D ; VAN DER MERWE PIETER GIDEON

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ
DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE
KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG
PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA
ZM ZW

Title: AGRICULTURAL ITEMS AND AGRICULTURAL METHODS COMPRISING BIODEGRADABLE COPOLYMERS

Abstract: An agricultural item comprising a biodegradable polyhydroxyalkanoate copolymer comprising two randomly repeating monomer units. The first randomly repeating monomer unit has the structure: wherein R1 is H or a C1-2 alkyl, and n is 1 or 2; and the second randomly repeating monomer unit has the structure: wherein R2 is a C3-19 alkyl or a C3-19 alkenyl. At least 50 percent of the randomly repeating monomer units have the structure of the first randomly repeating monomer unit.

Classifications:

International (IPC 8-9): A01G13/00 A01G5/02 A01G9/02 A01G9/12 A01M29/00 A01N25/10 A01N25/34 C05G3/00 C08G63/06 C08G63/49 C08L101/16 (Advanced/Invention); A01N25/10 (Advanced/Non-invention); A01G13/00 A01G5/00 A01G9/02 A01G9/12 A01M29/00 A01N25/10 A01N25/34 C05G3/00 C08G63/00 C08L101/00 (Core/Invention)

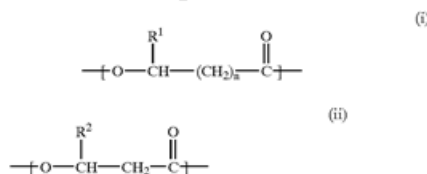
International (IPC 1-7): A01B79/02 A01G13/00 A01G5/02 A01G9/02 A01G9/12 A01M29/00 A01N25/10 A01N25/10 A01N25/34 C05G3/00 C05G5/00 C08G63/06 C08G63/49 C08L101/16

CPC: Y10S514/95 Y10S514/953 C08G63/06 A01N25/10

European: A01N25/10 C08G63/06

US: 47/58.1SE 504/360 514/950 514/953 71/64.13

PatBase - US2003145518_AA



Family:

Publication number	Publication date	Application number	Application date
AU2001268301 AA	20011217	AU20010268301	20010608
AU2001268301 BB	20050818	AU20010268301	20010608
AU200168301 A1	20011217	AU20010068301	20010608
AU200168301 A5	20011217	AU20010068301D	20010608
BRPI0111539 A	20030909	BR2001PI11539	20010608
CA2410212 AA	20021120	CA20012410212	20010608
CN1444445 A	20030924	CN20018013672	20010608
EP1298992 A2	20030409	EP20010946223	20010608
IN02012DN2005 A	20100326	IN2005DN02012	20050511
JP2003534819 T2	20031125	JP20020501255T	20010608
KR100586211 B1	20060607	KR20027016758	20010608
KR20030007927 A	20030123	KR20027016758	20010608
MXPA02012181 A1	20030425	MX2002PA12181	20010608
US2003145518 AA	20030807	US20020309997	20021204
US6903053 BB	20050607	US20020309997	20021204
WO0193678 A2	20011213	WO2001US18748	20010608
WO0193678 A3	20020613	WO2001US18748	20010608

Priority:

US20000210557 20000609 US20000210557P 20000609 WO2001US18748 20010608
US20020309997 20021204

Probable Assignee: MEREDIAN INC

Assignee(s): (std): NODA ISAO ; PROCTER AND GAMBLE ; SATKOWSKI MICHAEL MATTHEW ; THE PROCTER AND GAMBLE COMPANY ; PROCTER AND GAMBLE CO

Assignee(s): UNITED NATIONAL BANK ; WHITE OAK GLOBAL ADVISORS LLC ; SOUTHEAST COMMUNITY DEVELOPMENT FUND X LLC ; THE PROCTER AND GAMBLE CO ; AMCREF FUND XI LLC ; EMPOWERMENT REINVESTMENT FUND XX LLC ; MEREDIAN BIOPLASTICS INC ; MEREDIAN INC ; MEREDIAN NCF SUB CDE LLC

Inventor(s): (std): I NODA ; MM SATKOWSKI ; NODA I ; NODA ISAO ; SATKOWSKI M M ; SATKOWSKI MICHAEL MATTHEW

Inventor(s): ISAO NODA ; M M SATKOWSKI ; MICHAEL MATTHEW SATKOWSKI

Agent(s): PHILLIPS ORMONDE FITZPATRICK; DIMOCK STRATTON LLP; TANI YOSHIKAZU; ABE KAZUO; STONE ANGELA MARIE; MCCONIHAY JULIE A; LEWIS LEONARD W; JULIE A; LEONARD W; ANGELA MARIE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: IN SITU PRODUCTION OF FERTILIZER

Abstract: A system for creating a nitrate combined with a liquid. A corona discharge cell to generate an electrical field. The corona discharge cell further comprising a conduit to pass air through the electrical field to produce nitric oxide NO, wherein the air comprises a mixture of at least nitrogen N2 and oxygen O2, the conduit for combining the nitric oxide NO with the oxygen O2 to form nitrogen dioxide NO2. The corona discharge cell further comprising an injector for combining the nitrogen dioxide NO2 with the liquid to generate nitric acid HNO3 which combines with the liquid to generate the nitrate comprised of nitrate radical NO3 mixed with the liquid.

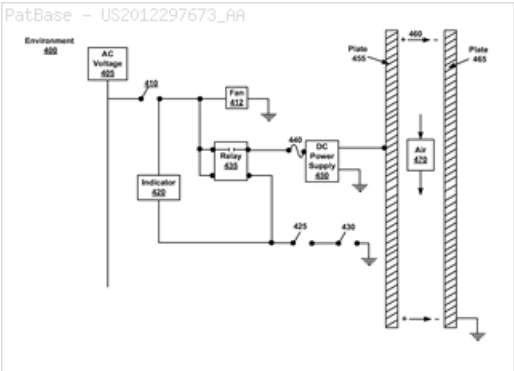
Classifications:

International (IPC 8-9): A01G13/00 A01G7/00 A01G7/04 B01F3/04 B01J19/08 B01J19/12 C01B13/11 C01B21/36 C05C11/00 C05C5/00 C05D9/02 C05G3/00 H05H1/00 (Advanced/Invention); H05H1/48 (Advanced/Non-invention)

CPC: A01G7/00 C05C5/00 A01G7/04 B01F3/04 B01J19/08 B01J19/088 B01J2219/0849 B01J2219/0883 C01B13/11 C01B21/36 C01B2201/14 C05D9/02 C05G3/0076 H05H2001/485

European: B01J19/08D2 L01J219/08D2D4 L01J219/08M8B

US: 1/1 204/179 422/186.04 422/186.21 422/186.29 47/57.7 71/58



Family:

Publication number	Publication date	Application number	Application date
US2012297673 AA	20121129	US20120472349	20120515
US2013205657 AA	20130815	US20130830755	20130314
US2015113870 AA	20150430	US20140585040	20141229
US8951481 BB	20150210	US20120472349	20120515
US9137951 BB	20150922	US20130830755	20130314
US9573855 BB	20170221	US20140585040	20141229

Priority:

US20110490186P 20110526 US20120472349 20120515 US20130830755 20130314
US20140585040 20141229

Probable Assignee:

KELLER RUSSELL J

Assignee(s): (std):

KELLER RUSSELL J

Inventor(s): (std):

KELLER RUSSELL J