Search history

Search 1: PN=(WO2016034694) (Results 1)

Search 2: [SP]: preparation of iron (iii) oxide pigments the present invention relates to an improved process for producing iron oxide red pigments by the penniman process using nitrate (also referred to as nitrate process or direct red process). (Results 117)

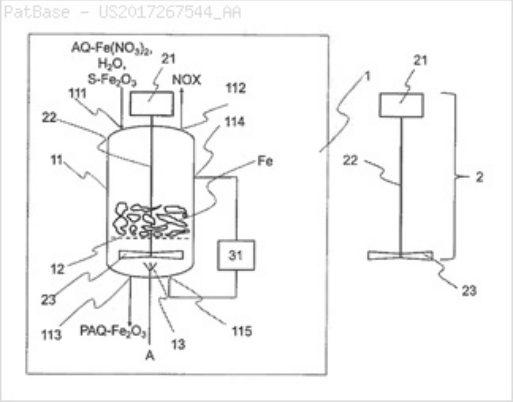
Search 3: 2 AND HAEMATITE (Results 11)

1) Family number: 61850414 (US2017267544A) © PatBase

Title: PREPARATION OF IRON (III) OXIDE PIGMENTS

Abstract: The present invention relates to an improved process for producing iron oxide red pigments by the Penniman process using nitrate (also referred to as nitrate process or direct red process).

Classifications:
International (IPC 8-9): B01D53/24 B01D53/26 B82Y30/00 C01G C01G49/06 C09C C09C1/24 C09D17/00 (Advanced/Invention)
International (IPC 1-7): C01G49/06 C09C1/24
CPC: C09D17/007 B01D53/266 B01D53/24 B82Y30/00 C02F2101/16 C01P2006/63 C01G49/06 C01P2004/64 C01P2006/12 C09C1/24



Family:

Publication number	Publication date	Application number	Application date
AU2015310836 AA	20160310	AU20150310836	20150904
AU2015310836 BB	20180201	AU20150310836	20150904
BR112017004214 A2	20171212	BR20171104214	20150904
CA2960442 AA	20170302	CA20152960442	20150904
CN106795007 A	20170531	CN201580047398	20150904
CO20170002111 A2	20170620	CO20170002111	20170302
EP3189011 A1	20170712	EP20150759772	20150904
IN201717005923 A	20170609	IN201717005923	20170220
JP2017533290 T2	20171109	JP20170512819T	20150904
KR20170048368 A	20170508	KR20177005473	20150904
MX2017002799 A1	20170615	MX20170002799	20150904
US2017267544 AA	20170921	US20150508158	20150904
WO16034694 A1	20160310	WO2015EP70201	20150904
ZA201702368 A	20180627	ZA20170002368	20170404

Priority:

EP20140183797 20140905 WO2015EP70201 20150904

Probable Assignee: LANXESS GMBH

Assignee(s): (std): LANXESS DEUTSCHLAND GMBH ; LANXESS AG ; LANXESS GMBH

Assignee(s): KISCHKEWITZ JURGEN ; CZAPLIK WALDEMAR ; KETTELER GUIDO

Inventor(s): (std): CZAPLIK WALDEMAR ; GUIDO KETTELER ; JUERGEN KISCHKEWITZ ; KETTELER GUIDO ; KISCHKEWITZ JUERGEN ; KISCHKEWITZ JURGEN ; WALDEMAR CZAPLIK

Agent(s): DAVIES COLLISON CAVE PTY LTD; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; JAIME EDUARDO DELGADO VILLEGAS

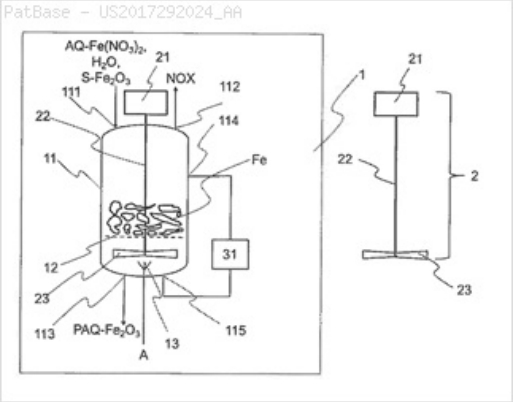
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW 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

2) Family number: 61850379 (US2017292024A) © PatBase

Title: PREPARATION OF IRON (III) OXIDE PIGMENT

Abstract: The present invention relates to an improved process for producing iron oxide red pigments by the Penniman process using nitrate (also referred to as nitrate process or direct red process).

Classifications:
International (IPC 8-9): C01G C01G49/06 C09C C09C1/24 C09C3/06 C09D17/00 (Advanced/Invention)
International (IPC 1-7): C01G49/06 C09C1/24
CPC: C09C1/24 C01G49/06 C01P2004/64 C01P2006/12



Family:

Publication number	Publication date	Application number	Application date
AU2015310834 AA	20160310	AU20150310834	20150904
AU2015310834 BB	20171207	AU20150310834	20150904
BR112017004211 A2	20171212	BR20171104211	20150904
CA2960447 AA	20170302	CA20152960447	20150904
CN106604894 A	20170426	CN201580047700	20150904
CN106604894 B	20180406	CN201580047700	20150904
CO20170002126 A2	20170620	CO20170002126	20170302
EP3189010 A1	20170712	EP20150759771	20150904
IN201717007006 A	20170623	IN201717007006	20170228
JP2017527666 T2	20170921	JP20170512913T	20150904
KR20170048369 A	20170508	KR20177005474	20150904
MX2017002801 A1	20170615	MX20170002801	20150904
US2017292024 AA	20171012	US20150507808	20150904
WO16034692 A1	20160310	WO2015EP70198	20150904
ZA201702367 A	20180627	ZA20170002367	20170404

Priority:

EP20140183796 20140905 WO2015EP70198 20150904

Probable Assignee: LANXESS GMBH

Assignee(s): (std): LANXESS DEUTSCHLAND GMBH ; LANXESS AG ; LANXESS GMBH

Assignee(s): KISCHKEWITZ JURGEN ; CZAPLIK WALDEMAR ; KETTELER GUIDO

Inventor(s): (std): CZAPLIK WALDEMAR ; GUIDO KETTELER ; JUERGEN KISCHKEWITZ ; KETTELER GUIDO ; KISCHKEWITZ JUERGEN ; KISCHKEWITZ JURGEN ; WALDEMAR CZAPLIK

Agent(s): DAVIES COLLISON CAVE PTY LTD; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; JAIME EDUARDO DELGADO VILLEGAS

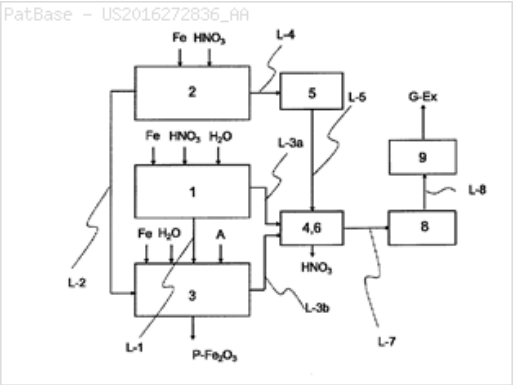
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW 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

3) Family number: 59163389 (US2016272836A) © PatBase

Title: PRODUCTION OF RED IRON OXIDE PIGMENT

Abstract: The present invention relates to an improved process for producing red iron oxide pigments by the Penniman process with nitrate (also called nitrate process or direct red process) and to apparatus for implementing this process, and also to the use of the plant for producing red iron oxide pigments by the Penniman process with nitrate.

Classifications:
International (IPC 8-9): B01D53/00 B01D53/56 B01D53/78 B01J10/00 B01J8/00 C01G49/00 C01G49/06 C02F1/58 C02F9/02 C02F9/04 C02F9/14 C09C1/24 C09D17/00 (Advanced/Invention); C02F101/16 C02F103/34 (Advanced/Non-invention)
CPC: C01P2004/64 C01P2006/12 C09C1/24 C09D17/007 B01D53/78 B01D53/005 B01D53/56 B01D53/007 B01J8/00 B01J10/00 C02F1/586 C02F1/58 B01D2259/804 B01J2208/00893 C02F2101/16 C02F2103/34 C01G49/06
US: 423/633



Family:

Publication number	Publication date	Application number	Application date
AU2013404800 A1	20150514	AU20130404800	20131108
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AU2013404800 AH	20160602	AU20130404800	20131108
AU2013404800 BB	20161124	AU20130404800	20131108
BR112016010330 A2	20170808	BR20161110330	20131108
CA2929880 AA	20160506	CA20132929880	20131108
CN104628043 A	20150520	CN201410643637	20141110
CN104628043 B	20170711	CN201410643637	20141110
CN204310828 U	20150506	CN201420681365U	20141110
CN204508832 U	20150729	CN201420680060U	20141110
CN204508833 U	20150729	CN201420680320U	20141110
CN204508834 U	20150729	CN201420681362U	20141110
CN204508835 U	20150729	CN201420681518U	20141110
CN204508836 U	20150729	CN201420681532U	20141110
CO16119040 A2	20160909	CO20160119040	20160506
EP3066158 A1	20160914	EP20130896932	20131108
EP3066158 A4	20170531	EP20130896932	20131108
IN201617015031 A	20160831	IN201617015031	20160429
JP2016539071 T2	20161215	JP20160552652T	20131108
JP6235727 B2	20171122	JP20160552652T	20131108
KR20160085279 A	20160715	KR20167014732	20131108
MX2016005964 A1	20161013	MX20160005964	20131108
RU2016122481 A	20171213	RU20160122481	20131108
RU2649430 C2	20180403	RU20160122481	20131108
US2016272836 AA	20160922	US20130034218	20131108
WO15066905 A1	20150514	WO2013CN086804	20131108

Priority:

WO2013CN086804 20131108	WO2013CN86804 20131108	CN201410643637 20141110
CN201420680060U 20141110	CN201420681365U 20141110	CN201420680320U 20141110
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Probable Assignee: LANXESS GMBH

Assignee(s): (std): LANXESS AG ; LANXESS DEUTSCHLAND GMBH ; LANXESS SPECIALTY CHEMICALS CO LTD ; LENKSESS SPESHALTI KEMIKALS KO LTD ; LANXESS GMBH

Assignee(s): OEHLERT WOLFGANG ; LENKSESS DOJCHLAND GMBKH ; LENKSESS SPESHALTI KEMIKALS KO ; LANXESS SPECIALTY CHEMICALS CO ; LI HUAJUN ; LANXESS DEUTSCHLAND LIABILITY CO LTD ; CZAPLIK WALDEMAR ; KISCHKEWITZ JURGEN

Inventor(s): (std): ALFRED BARDOUN ; BIRGIT BLANKEMEYER MENGE ; CHAPLIK VALDEMAR ; CZAPLIK WALDEMAR ; ELERT VOLFGANG ; GUIDO KETTELER ; HUAJUN LI ; JUERGEN KISCHKEWITZ ; KISCHKEWITZ JUERGEN ; KISCHKEWITZ JURGEN ; KISHKEVITTS YURGEN ; LI HUAJUN ; LI KHIADZHIN ; OEHLERT WOLFGANG ; UDO HOLTMANN ; WALDEMAR CZAPLIK ; WOLFGANG OEHLERT

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; JAIME EDUARDO DELGADO VILLEGAS; HERBOLD MATTHIAS; SAPELNIKOV I PARTNERY; KANGXIN PARTNERS PC

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 LI 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

4) Family number: 53424976 (US2014205664A) © PatBase

Title: METHOD FOR PRODUCING FINELY DIVIDED **HAEMATITE** AND FOR PRODUCING IRON OXIDE RED PIGMENTS

Abstract: The present invention relates to an improved process for the production of finely divided **haematite** and of iron oxide red pigments made up of the finely divided **haematite** and the use of the finely divided **haematites** and iron oxide red pigments produced by this process.

Classifications:
International (IPC 8-9): B82Y30/00 C01G49/00 C01G49/06 C09C1/22 C09C1/24 (Advanced/Invention)
CPC: B82Y30/00 C01P2004/64 C01P2006/12 C01P2006/80 Y10T428/2982 C01G49/06 C09C1/24
US: 1/1 106/284.01 106/284.02 106/456 162/162 423/633 424/464 426/250 428/402 501/14 502/338 502/406 514/769 524/431

Family:

Publication number	Publication date	Application number	Application date
AU2012314418 AA	20130404	AU20120314418	20120928
BR112014007280 A2	20170328	BR20141107280	20120928
CA2849957 AA	20140325	CA20122849957	20120928
CN103030181 A	20130410	CN201210372255	20120928
CN103030181 B	20170301	CN201210372255	20120928
CO7121335 A2	20141120	CO20140065568	20140327
DE502012011100 D1	20171005	DE201250011100T	20120928
DK2760795 T3	20171127	DK20120766647T	20120928
EP2760795 A1	20140806	EP20120766647	20120928
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ES2642962 T3	20171120	ES20120766647T	20120928
IN01801DN2014 A	20150515	IN2014DN01801	20140310
JP2014527951 T2	20141023	JP20140531281T	20120928
JP5946917 B2	20160706	JP20140531281T	20120928
KR20140085439 A	20140707	KR20147008282	20120928
MX2014003767 A1	20140430	MX20140003767	20120928
TR201718217 T4	20171221	TR20170018217T	20120928
US2014205664 AA	20140724	US20120342860	20120928
US9428402 BB	20160830	US20120342860	20120928
WO13045608 A1	20130404	WO2012EP69181	20120928

Priority:

EP20110183605 20110930 EP20120766647 20120928 WO2012EP69181 20120928

Probable Assignee: LANXESS GMBH

Assignee(s): (std): LANXESS AG ; LANXESS DEUTSCHLAND GMBH ; LANXESS GMBH

Assignee(s): HOLTMANN UDO ; KETTELER GUIDO ; KISCHKEWITZ JUERGEN

Inventor(s): (std): GUIDO KETTELER ; JUERGEN KISCHKEWITZ ; UDO HOLTMANN ; KISCHKEWITZ JUERGEN ; KETTELER GUIDO ; HOLTMANN UDO

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; JAIME EDUARDO DELGADO VILLEGAS; VALLEJO JUAN PEDRO; TOLGA CAYLAK

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 IS IT JP KE KG KM KN KP KR KZ LA LC LI 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 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

5) Family number: 15342854 (US6503315B) © PatBase

Title: PROCESS FOR PRODUCING IRON OXIDE PIGMENTS

Abstract: The present invention relates to a process for producing iron oxide red pigments containing the step of forming a suspension of **haematite** nuclei by reaction between dilute nitric acid and elemental iron above 90 degrees centigrade and to pigments of pure color and their use.

Classifications:
International (IPC 8-9): C01G49/06 C04B22/06 C04B28/02 C08K3/22 C09C1/24 C09D1/00 C09D7/12 (Advanced/Invention);
C04B111/82 (Advanced/Non-invention);
C01G49/02 C04B28/00 C08K3/00 C09C1/22 C09D7/12 (Core/Invention)
International (IPC 1-7): C01G49/02 C01G49/06 C04B111/82 C04B14/30 C04B16/00 C04B22/06 C04B28/02 C08K3/22 C09C1/20 C09C1/24 C09D1/00 C09D7/12
CPC: C09D7/61 C09C1/24 C01G49/06 C01P2006/62 C01P2006/63 C01P2006/64 C08K3/22 C08K2003/2265
European: C01G49/06 C08K3/22 C09C1/24 C09D7/12D2 M01P6/62 M01P6/63 M01P6/64 M08K3/22 M08K3/22R
US: 106/456 106/712 423/632 423/633

種類の記述	L＊	a＊	b＊	C＊
	L64純色相における絶対値			
実施例2	42.2	30.6	26.9	40.8
実施例3	41.1	31.7	26.1	41.1
750/99/1 1)	41.2	28.8	22.2	36.4
Bayferrox 4100 2)	39.7	29.6	23.7	37.9

1) ヘマタイト顔料、代表的な中国製の市販製品

2) ヘマタイト顔料、バイエル社(Bayer AG)の製品

Family:

Publication number	Publication date	Application number	Application date
AT521575 E	20110915	AT20000125284T	20001121
CA2326765 AA	20010602	CA20002326765	20001124
CN1186400 C	20050126	CN20001034440	20001201
CN1297968 A	20010606	CN20001034440	20001201
DE19958168 A1	20010607	DE19991058168	19991202
DE50016153 D1	20111020	DE20005016153	20001121
EP1106577 A2	20010613	EP20000125284	20001121
EP1106577 A3	20030423	EP20000125284	20001121
EP1106577 B1	20110824	EP20000125284	20001121
ES2369251 T3	20111128	ES20000125284T	20001121
JP2001200177 A2	20010724	JP20000366952	20001201
JP4988983 B2	20120801	JP20000366952	20001201
US6503315 BA	20030107	US20000718272	20001122

Priority:

DE19991058168 19991202 EP20000125284 20001121 CA20002326765 20001124

Probable Assignee: LANXESS GMBH

Assignee(s): (std): BAYER AG ; LANXESS DEUTSCHLAND GMBH ; LANXESS GMBH

Assignee(s): ETZENBACH NORBERT ; BAYER AKTIENGESELLSCHAFT ; BAYER CHEMICALS AG ; BUTJE KAI

Inventor(s): (std): BITTERGER K ; BUETJE KAI ; BUETJE KAI DR ; BUTJE KAI ; EITZENBACHE N ; EITZENBACHE NORBERT ; ETZENBACH NORBERT ; ETZENBACH NORBERT DR ; K BITTERGER ; N EITZENBACHE

Agent(s): OGILVY RENAULT LLP SENCRL SRL

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

6) Family number: 30337157 (US6179908B) © PatBase

Title: Iron oxide red pigments, process for the production of iron oxide red pigments and use thereof

Abstract: The present invention relates to iron oxide red pigments, a process for the production of iron oxide red pigments by calcining iron oxide yellow pigments or iron oxide black pigments, and the use thereof.

Classifications:
International (IPC 8-9): C01G49/06 C08K3/22 C09C1/24 C09D7/12 (Advanced/Invention);
C09C1/00 C09D7/12 (Advanced/Non-invention);
C01G49/02 C09C1/22 C09D7/12 (Core/Invention)
International (IPC 1-7): A23L1/275 B01J23/745 C01G C01G49/02 C01G49/06 C04B14/36 C08K3/20 C08K3/22 C09C1/00 C09C1/24 C09D17/00 C09D7/12 G01J3/46 G01N30/96 G01N33/26
CPC: C01G49/06 C01P2006/60 C01P2006/62 C01P2006/63 C01P2006/64 C01P2006/80 C09C1/24
European: C01G49/06 C09C1/24 M01P6/60 M01P6/62 M01P6/63 M01P6/64 M01P6/80
US: 106/456 106/459 423/633

Family:

Publication number	Publication date	Application number	Application date
AU199889328 A1	19990513	AU19980089328	19981015
AU751726 B2	20020829	AU19980089328	19981015
AU751726 C	20030508	AU19980089328	19981015
BRPI9804015 A	19991207	BR1998PI04015	19981020
CA2251425 AA	19990420	CA19982251425	19981016
CN1156405 C	20040707	CN19981023451	19981020
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DE19746262 A1	19990422	DE19971046262	19971020
DE59804783 D1	20020822	DE19985004783	19981007
EP0911369 A1	19990428	EP19980118977	19981007
EP0911369 B1	20020717	EP19980118977	19981007
ES2179411 T3	20030116	ES19980118977T	19981007
JP11228144 A2	19990824	JP19980307791	19981015
KR19990037192 A	19990525	KR19980043638	19981019
US6179908 BA	20010130	US19980173374	19981015
ZA9809509 A	19990421	ZA19980009509	19981019

Priority:

DE19971046262 19971020 DE19985004783 19981007 CA19982251425 19981016
KR19980043638 19981019

Probable Assignee: LANXESS GMBH

Assignee(s): (std): BAYER AG

Assignee(s): BAYER AG 51373 LEVERKUSEN DE ; BAYER AKTIENGESELLSCHAFT ; BAYER ECKHARD ; BRAUN ROLF MICHAEL ; LANXESS DEUTSCHLAND GMBH ; LANXESS GMBH ; MEISEN ULRICH

Inventor(s): (std): BAYER DR ; BAYER E ; BAYER ECKHARD ; BAYER ECKHARD DIPL CHEM DR ; BAYER ECKHARD DR ; BRAUN DR ; BRAUN R M ; BRAUN ROLF DIPL CHEM DR ; BRAUN ROLF MICHAEL ; BRAUN ROLF MICHAEL DR ; E BAYER ; MEISEN DR ; MEISEN ULRICH ; MEISEN ULRICH DIPL CHEM DR ; MEISEN ULRICH DR ; MESEN U ; ULRICH MEISEN ; U MESEN ; ROLF MICHAEL BRAUN ; R M BRAUN ; ECKHARD BAYER

Inventor(s): BRAUN ROLF DIPL CHEM DR 47802 KREFELD DE ; BAYER ECKHARD DIPL CHEM DR 47807 KREFELD DE ; MEISEN ULRICH DIPL CHEM DR 47829 KREFELD DE ; DR ECKHARD BAYER ; DR ULRICH MEISEN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO

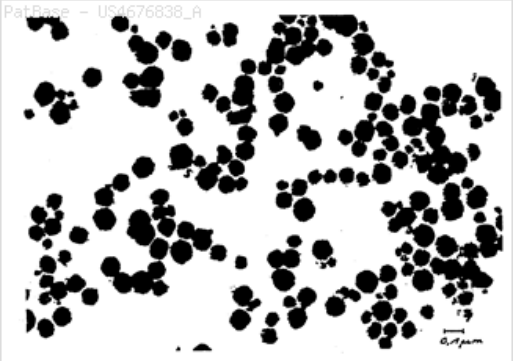
Designated states: BE DE ES FR GB IT NL

7) Family number: 3842746 (US4676838A) © PatBase

Title: Lamellar iron oxide pigments, a process for the production thereof and the use thereof

Abstract: In the production of an alpha -iron oxide pigment by the hydrothermal treatment of a trivalent iron-containing solution or suspension, the improvement which comprises adding to the solution or suspension prior to the hydrothermal treatment active alpha -iron oxide seeds with lamellar or disc-like crystal form and a specific surface of at least 10 m2/g, whereby the resulting pigment is lamellar with an Fe2O3 content of at least 88 percent, an average particle diameter of from 0.5 to 20 mu m, an average ratio of diameter to thickness of from 20 to 100, and an almost normally distributed particle size distribution, the relative standard deviation of which, based on the average value of the normal distribution, is less than 0.3. The product has superior coloring properties and is used as a precursor compound for the production of lamellar magnetic pigments with superior magnetic properties.

Classifications:
International (IPC 8-9): C01G49/06 C08K3/22 C08K7/00 C09C1/00 C09C1/22 C09C1/24 G11B5/706 (Advanced/Invention)
International (IPC 1-7): C01G49/06 C03C14/00 C04B14/00 C08K13/00 C09C1/24 C09D5/00 H01F1/00 H01F1/11
CPC: C01G49/06 C01P2004/03 C01P2004/20 C01P2004/51 C01P2004/54 C01P2004/61 C01P2004/62 C01P2006/12 C01P2006/60 C01P2006/62 C01P2006/63 C01P2006/64 C08K3/22 C08K7/00 C09C1/245 G11B5/70652 G11B5/70684
European: C01G49/06 C08K3/22 C08K7/00 C09C1/24P G11B5/706C6C G11B5/706C6D2 M01P4/03 M01P4/20 M01P4/51 M01P4/54 M01P4/61 M01P4/62 M01P6/12 M01P6/60 M01P6/62 M01P6/63 M01P6/64
US: 106/288R 106/304 106/309 106/415 106/418 106/456 G9B/5.262 G9B/5.268



Family:

Publication number	Publication date	Application number	Application date
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DE3440911 C2	19970821	DE19843440911	19841109
EP0180881 A2	19860514	EP19850113675	19851028
EP0180881 A3	19890315	EP19850113675	19851028
JP1727745 C3	19930119	JP19850249103	19851108
JP4016409 B4	19920324	JP19850249103	19851108
JP61174120 A2	19860805	JP19850249103	19851108
US4676838 A	19870630	US19850794814	19851104

Priority:

DE19843440911 19841109

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG

Assignee(s): BAYER AG 51373 LEVERKUSEN DE ; BAYER AKTIENGESELLSCHAFT

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Designated states: DE FR GB IT NL

8) Family number: 28211223 (US2003051636A)

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Title: Process for producing granular hematite particles

Abstract: The process for producing granular hematite particles of the present invention, comprises passing an oxygen-containing gas through an aqueous ferrous nitrate solution in the presence of iron materials and hematite seed crystals at a temperature of 80 to 90 degrees centigrade, thereby obtaining reddish brown precipitates containing granular hematite particles as a main component; subjecting the reddish brown precipitates to filtration, water-washing and then drying; and heat-treating the reddish brown precipitates in air at a temperature of 450 to 900 degrees centigrade In accordance with the process of the present invention, the granular hematite particles exhibiting a high purity, a small equilibrium water content and a reduced oil absorption can be produced using inexpensive iron raw materials without use of a specific device such as autoclave in an industrially and economically useful manner.

Classifications:
International (IPC 8-9): C01G49/06 C09C1/24 (Advanced/Invention); C01G49/02 (Core/Invention)
International (IPC 1-7): C01G49/02 C01G49/06 C09C1/22 C09C1/24
CPC: B82Y30/00 C01G49/06 C01P2004/50 C01P2004/62 C01P2006/19 C01P2006/60 C01P2006/62 C01P2006/63 C01P2006/64 C01P2006/66 C01P2006/80 C01P2006/82 C09C1/24 C01P2004/64
European: B82Y30/00 C01G49/06 C09C1/24 M01P4/50 M01P4/62 M01P4/64 M01P6/19 M01P6/60 M01P6/62 M01P6/63 M01P6/64 M01P6/66 M01P6/80 M01P6/82
US: 106/456 423/632 423/632S 423/633 423/633S

Family:

Publication number	Publication date	Application number	Application date
CN1234614 C	20060104	CN20021008153	20020328
CN1406873 A	20030402	CN20011041570	20011019
CN1406874 A	20030402	CN20021008153	20020328
EP1293480 A1	20030319	EP20020252315	20020328
JP2003201122 A2	20030715	JP20020056883	20020304
JP4182669 B2	20081119	JP20020056883	20020304
US2003051636 AA	20030320	US20020112058	20020401
US6616747 BB	20030909	US20020112058	20020401

Priority:

JP20010277617 20010913 JP20010327297 20011025 JP20020056883 20020304

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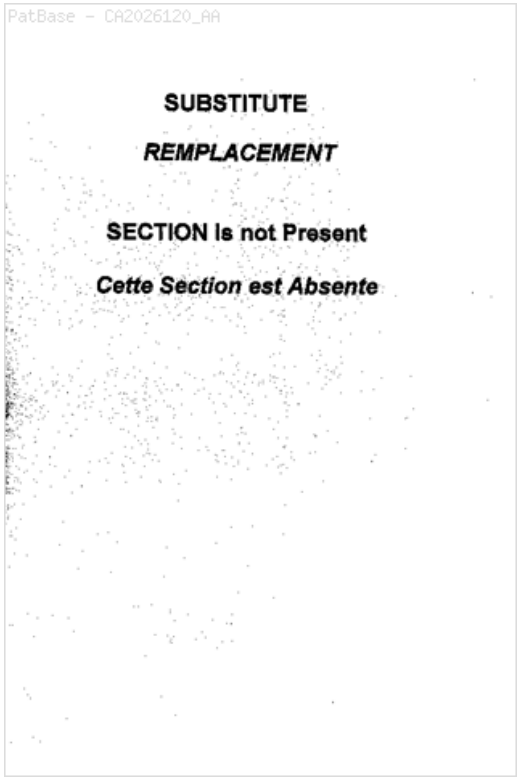
Assignee(s): (std): SUMITA HIROSHI ; TODA KOGYO CORP ; TODA KOGYO K K
Assignee(s): TODA KOGYO KK
Inventor(s): (std): SUMITA HIROSHI ; TSUNODA HIROSHI ; TAHIRO KAKU
Inventor(s): KAKU TAHIRO
Designated states: BE DE ES FR GB IT

9) Family number: 3034641 (EP0419964A2) © PatBase

Title: RED IRON OXIDE OR BROWN IRON OXIDE MICROBEADS, THEIR PREPARATION AND THEIR USE.

Abstract: The invention concerns microgranules comprising iron oxide red or iron oxide brown pigments, the preparation thereof and the use thereof.

Classifications:
International (IPC 8-9): C01G49/02 C01G49/06 C04B14/02 C04B14/30 C08K3/22 C09C1/22 C09C1/24 C09C3/04 C09D7/12 D21H17/67 D21H21/28 (Advanced/Invention);
C01G49/02 C04B14/02 C09C1/22 (Advanced/Non-invention);
C01G49/02 C04B14/02 C08K3/00 C09C1/22 C09C3/04 C09D7/12 D21H17/00 D21H21/14 (Core/Invention)
International (IPC 1-7): C01G49/02 C01G49/06 C04B14/02 C04B14/30 C04B14/36 C08K3/22 C09C1/24 C09C3/04 C09D7/12 D21H17/67 D21H21/28
CPC: C09D7/62 C09D7/69 D21H17/675 C01G49/06 C01P2004/61 C04B14/308 C08K3/22 C09C1/24 C09C3/04
European: C01G49/06 C04B14/30N C08K3/22 C09C1/24 C09C3/04 C09D7/12D2B C09D7/12N3 D21H17/67B M01P4/61 M08K3/22



Family:

Publication number	Publication date	Application number	Application date
AU199063151 A1	19910411	AU19900063151	19900925
AU632853 B2	19930114	AU19900063151	19900925
CA2026120 AA	19910328	CA19902026120	19900925
DE3932166 A1	19910404	DE19893932166	19890927
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EP0419964 B1	19940112	EP19900117703	19900914
JP3126625 A2	19910529	JP19900256807	19900926

Priority:
DE19893932166 19890927 DE19905004210 19900914 CA19902026120 19900925

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG

Assignee(s): BAYER AG 51373 LEVERKUSEN DE ; BAYER AKTIENGESELLSCHAFT ; BOCKELMANN WOLFGANG ; RADEMACHERS JAKOB ; WODITSCH PETER ; BAYER 5090 LEVERKUSEN DE AG

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Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO

Designated states: BE DE FR GB IT NL

10) Family number: 28937020 (US2002088374A) © PatBase

Title: Process for producing yellow iron oxide pigments

Abstract: The present invention relates to a process for producing a yellow iron oxide pigments comprising the steps of I) mixing preprecipitated FeCl2 and an alpha-FeOOH nucleus produced by the "alkali" process, II) oxidizing the suspension in a first oxidation step at 20 to 45 degrees centigrade III) oxidizing the suspension in a first oxidation step at 55 to 85 degrees centigrade

Classifications:
International (IPC 8-9): B01J23/745 C01G49/02 C01G49/06 C09C1/24 (Advanced/Invention)
International (IPC 1-7): B01J23/745 C01G49/02 C01G49/06 C04B14/36 C07C15/46 C07C5/333 C08J3/20 C08K3/22 C08K7/18 C09C1/24 C09D17/00 C09D7/14 D21H17/63 D21H21/28 H01F1/11
CPC: B82Y30/00 C01G49/06 C01P2002/60 C01P2004/64 C01P2006/12 C01P2006/62 C01P2006/63 C01P2006/64 C09C1/24
European: B82Y30/00 C01G49/06 C09C1/24 M01P2/60 M01P4/64 M01P6/12 M01P6/62 M01P6/63 M01P6/64
US: 106/456 426/632

Family:

Publication number	Publication date	Application number	Application date
AT282670 E	20041215	AT20010974219T	20010830
AU2001293790 AA	20020322	AU20010293790	20010830
BRPI0113729 A	20030722	BR2001PI13729	20010830
CA2421290 AA	20030305	CA20012421290	20010830
DE10044398 A1	20020321	DE20001044398	20000908
DE10050682 A1	20020418	DE20001050682	20001013
DE50104567 D1	20041223	DE20015004567	20010830
DK1339803 T3	20050124	DK20010974219T	20010830
EP1339803 A1	20030903	EP20010974219	20010830
EP1339803 B1	20041117	EP20010974219	20010830
ES2233692 T3	20050616	ES20010974219T	20010830
JP2004509043 T2	20040325	JP20020525685T	20010830
US2002088374 AA	20020711	US20010945423	20010831
US6689206 BB	20040210	US20010945423	20010831
WO0220675 A1	20020314	WO2001EP09981	20010830

Priority:

DE20001044398 20000908 DE20001050682 20001013 DE20015004567 20010830
WO2001EP09984 20010830 WO2001EP09981 20010830

Probable Assignee: LANXESS GMBH

Assignee(s): (std): BAYER AG ; BAYER CHEMICALS AG ; MEISEN ULRICH

Assignee(s): LANXESS DEUTSCHLAND GMBH ; LANXESS GMBH ; BAYER AKTIENGESELLSCHAFT

Inventor(s): (std): MEISEN ULRICH ; ULRICH MEISEN

Agent(s): FETHERSTONHAUGH AND CO

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 EC EE 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 LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH 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

11) Family number: 1221303 (US3946103A) © PatBase

Title: PRODUCTION OF PRECIPITATED RED IRON (III) OXIDE PIGMENT RELATIVELY FREE OF {60 -FEOOH

Abstract: In the production of a precipitated red iron (III) oxide pigment of hematite structure wherein an aqueous iron (II) salt solution is mixed with an aqueous alkali solution in substantially equivalent quantities to produce an aqueous suspension of iron (II) hydroxide or carbonate, the suspension is oxidized by passing oxygen-containing gases through it with stirring under atmospheric pressure at a temperature of about 0 DEG to 50 DEG C, and the resulting iron (III) seed suspension is allowed to grow into precipitated red iron (III) oxide pigment by further oxidation with an oxygen-containing gas at a temperature of about 50 DEG to 100 degrees centrigrade in the presence of more iron (II) salt and alkali solution or in the presence of iron (II) salt and metallic iron at a pH-value kept in the acid range, the improvement which comprises producing the iron (III) seed suspension in the presence of a foreign modifying substance so that lattice-distorted, chemically reactive finely divided delta-FeOOH seeds are formed, whereby the resulting red iron (III) oxide pigment contains less than about 15 percent by weight of alpha -FeOOH. The modifying substance may be a chloride of magnesium, calcium or aluminum, vanadium pentoxide, sodium phosphate, erythritol, mannitol, glyceric acid, K, Na-tartrate, Na-citrate, ribose, glucose, fructose, tannin, or NH4-, Ca-, Al-, Fe or Mg-lignin sulfonate.

Classifications:
International (IPC 8-9): C01G49/02 C01G49/06 C09C1/00 C09C1/22 C09C1/24 C09D5/00 (Advanced/Invention); C01G49/02 C09C1/00 C09C1/22 C09D5/00 (Core/Invention)
International (IPC 1-7): C01G49/02 C01G49/06 C09C1/24 C09D5/00
CPC: C01P2002/52 C09C1/24
European: C09C1/24
US: 106/456 423/633

Family:

Publication number	Publication date	Application number	Application date
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CA998204 A1	19761012	CA19730182809	19731005
DE2249274 A1	19740418	DE19722249274	19721007
FR2202133 A1	19740503	FR19730035736	19731005
FR2202133 B1	19781110	FR19730035736	19731005
GB1440648 A	19760623	GB19730046417	19731004
IT997573 A	19751230	IT19730052913	19731004
JP49073400 A2	19740716	JP19730111620	19731005
NL7313744 A	19740409	NL19730013744	19731005
US3946103 A	19760323	US19730398730	19730919

Priority:

DE19722249274 19721007

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG

Assignee(s): BAYER AG 5090 LEVERKUSEN ; BAYER AKTIENGESELLSCHAFT ; BAYER AG DT ; HUND FRANZ ; BAYER DT AG ; BAYER 5090 LEVERKUSEN AG ; BAYER A G A LEVERKUSEN ALLEMAGNE

Inventor(s): (std): HUND FRANZ ; HUND FRANZ DR

Inventor(s): HUND FRANZ DR 4150 KREFELD