

Search history

Search PN=(WO2016034694) (Results 1)

1:

Search [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)

2:

Search 2 AND HAEMATITE (Results 11)

3:

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

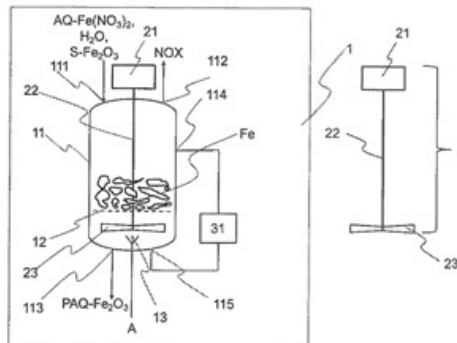
C01G49/06 C09C C09C1/24 C09D17/00 (Advanced/Invention)

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

PatBase - US2017267544_AA



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

Title: PREPARATION OF IRON (III) OXIDE PIGMENT

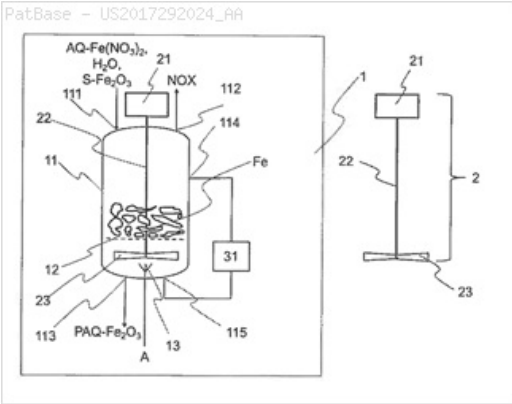
Abstract: The present invention relates to an improved process for producing iron oxide red pigments by the Penniman process using nitrate (also referred to as nitrate process or direct red process).

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
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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
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Priority:

EP20140183796 20140905 WO2015EP70198 20150904

Probable Assignee: LANXESS GMBH

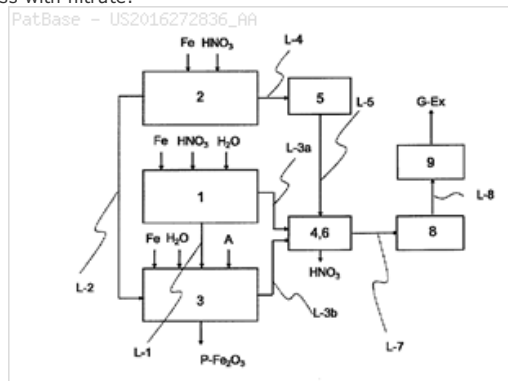
Assignee(s): (std): LANXESS DEUTSCHLAND GMBH ; LANXESS AG ; LANXESS GMBH

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

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
AU2013404800 AA	20150514	AU20130404800	20131108
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
CN201420681362U 20141110	CN201420681518U 20141110	CN201420681532U 20141110

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 WALDEMAR ; CZAPLIK WALDEMAR ; ELERT WOLFGANG ; GUIDO KETTLER ; HUAJUN LI ; JUERGEN KISCHKEWITZ ; KISCHKEWITZ JUERGEN ; KISCHKEWITZ JURGEN ; KISHKEVITTS YURGEN ; LI HUAJUN ; LI KHIADZHIN ; OEHLERT WOLFGANG ; UDO HOLTSMANN ; 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

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
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 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): HOLTSMANN UDO ; KETTELER GUIDO ; KISCHKEWITZ JUERGEN

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

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

PatBase - JP2001200177_P2				
L 6 4 純色相における絶対値				
種類の記述	L *	a *	b *	C *
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
Bayerferrox 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 AKTIENGESSELLSCHAFT ; 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

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
CN1215027 A	19990428	CN19981023451	19981020
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

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 µm, 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:

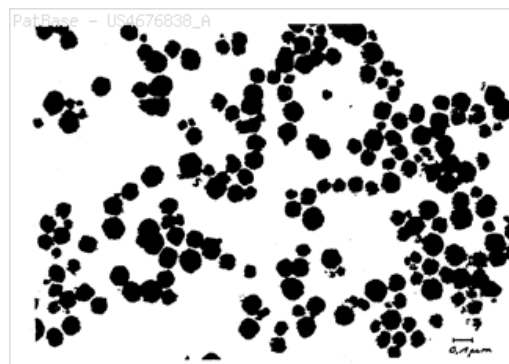
International (IPC 8-9): C01G49/06 C08K3/22 C08K7/00 C09C1/00 C09C1/22 C09C1/24 G11B5/706 (Advanced/Invention)

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
DE3440911 A1	19860717	DE19843440911	19841109
DE3440911 C2	19970821	DE19843440911	19841109
EP0180881 A2	19860514	EP19850113675	19851028
EP0180881 A3	19890315	EP19850113675	19851028
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Priority:

DE19843440911 19841109

Probable Assignee: BAYER AG

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

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Designated states: DE FR GB IT NL

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 C09C 1/24 (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

[illegible]

Family:

Publication number	Publication date	Application number	Application date
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 US6616747 BB	20030909	US20020112058	20020401

Priority:

JP20010277617 20010913 JP20010327297 20011025 JP20020056883 20020304

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Inventor(s): KAKU TAHIRO

Designated states: BE DE ES FR GB IT

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

PatBase - CA2026120_AA

**SUBSTITUTE
REMPLACEMENT**

SECTION is not Present

Cette Section est Absente

Family:

Publication number	Publication date	Application number	Application date
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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

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Inventor(s): WODITSCH PETER DR D 4150 KREFELD 1 DE ; WOLFGANG BOCKELMANN ; RADEMACHERS JAKOB DR D 4150 KREFELD DE ; PETER WODITSCH ; JAKOB RADEMACHERS ; BOCKELMANN WOLFGANG DR D 4150 KREFELD 1 DE ; BOCKELMANN WOLFGANG DIPL CHEM DR

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

Designated states: BE DE FR GB IT NL

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
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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

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 centigrade 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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NL7313744 A	19740409	NL19730013744	19731005
US3946103 A	19760323	US19730398730	19730919

Priority:

DE19722249274 19721007

Probable Assignee: BAYER AG

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Inventor(s): HUND FRANZ DR 4150 KREFELD