

15-119040

Search history

Search PN=(US6056928 OR US6616747 OR JP2006008990 OR JP2007534841 OR JPH03126625 OR US20030170163 OR WO2013045608 OR
1: US6503315) (Results 8)

Title: METHOD OF REMOVING NITROGEN OXIDES FROM A GAS FLOW

Abstract: Source: US6056928A PCT No. PCT/EP96/03971 Sec. 371 Date Mar. 10, 1998 Sec. 102(e) Date Mar. 10, 1998 PCT Filed Sep. 10, 1996 PCT Pub. No. WO97/10042 PCT Pub. Date Mar. 20, 1997 The invention relates to a process for removing nitrogen oxides from a gas stream containing same, which comprises passing the gas stream (A) through a stage for removing absorbing the nitrogen oxides other than N₂O in an absorbent or reacting the nitrogen oxides other than N₂O with an absorbent at a pressure of from 1,5 to 20 bar, and (B) through a stage for reducing the amount of N₂O, preferably employing the pressure level of step A, and to apparatus therefor and the use thereof.

Classifications:

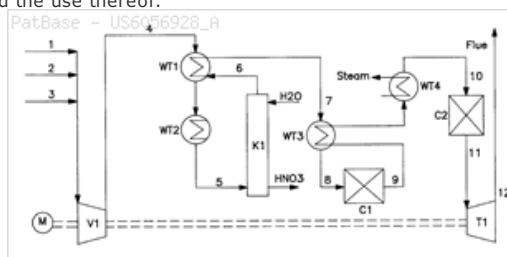
International (IPC 8-9): B01D53/14 B01D53/34 B01D53/56
B01D53/77 B01D53/86 C01B21/38 C01B21/40 (Advanced/Invention);
B01D53/34 B01D53/56 (Advanced/Non-invention);
B01D53/56 B01D53/77 B01D53/86 C01B21/00 (Core/Invention)

International (IPC 1-7): B01D53/14 B01D53/26 B01D53/56
B01D53/77 B01D53/86 C01B21/00 C01B21/26 C01B21/38
C01B21/40

CPC: Y02P20/153 C01B21/38 B01D53/56 B01D53/8625
B01D2257/402 Y02C20/10

European: B01D53/56 B01D53/86F2 C01B21/38 L01D257/402
Y02C20/10

US: 423/235 423/239.1 423/392 423/393 423/403

**Family:**

Publication number	Publication date	Application number	Application date
CA2229416 AA	19980311	CA19962229416	19960910
CA2229416 C	20070529	CA19962229416	19960910
CN1090521 C	20020911	CN19961097967	19960910
CN1200681 A	19981202	CN19961097967	19960910
DE19533715 A1	19970313	DE19951033715	19950912
DE59603806 D1	20000105	DE19965003806	19960910
EP0859659 A1	19980826	EP19960931068	19960910
EP0859659 B1	19991201	EP19960931068	19960910
IN196362 B	20060519	IN1996MA01572	19960909
JP11512021 T2	19991019	JP19970510678T	19960910
JP4249258 B2	20090402	JP19970510678T	19960910
KR100457933 B1	20050115	KR19980701843	19980312
KR19990044593 A	19990625	KR19980701843	19980312
PL325600 A1	19980803	PL19960325600	19960910
TW422729 B	20010221	TW19960111115	19960911
UA65527 C2	20040415	UA19980041838	19960910
US6056928 A	20000502	US19980029833	19980310
WO9710042 A1	19970320	WO1996EP03971	19960910

Priority:

DE19951033715 19950912 DE19965003806 19960910 WO1996EP03971 19960910

Probable Assignee: BASF AG

Assignee(s): (std): FETZER THOMAS ; WAGNER ECKHART ; ROETH EMIL ; RUPPEL WILHELM ; WISTUBA HERMANN ; OTTO BERNHARD ; SCHUMACHER VOLKER ; BASF AG ; BUERGER GERT

Assignee(s): BURGER GERT ; BASF AG 67063 LUDWIGSHAFEN DE ; BASF AKTIENGESELLSCHAFT ; BASF 67063 LUDWIGSHAFEN DE AG ; ROTH EMIL

Inventor(s): (std): OTTO BERNHARD ; OTTO BERNHARD DR ; ROETH EMIL ; ROETH EMIL DIPL ING ; ROTH EMIL ; ROUTH E ; RUPPEL WILHELM ; RUPPEL WILHELM DR ; SCHUMACHER VOLKER ; SCHUMACHER VOLKER DR ; T FETZER ; WAGNER E ; WAGNER ECKHART ; WAGNER ECKHART DR ; WANGER E ; WISTUBA HERMANN ; WISTUBA HERMANN AND ; WISTUBA HERMANN DR ; BUERGER GERT ; BUERGER GERT DR ; BURGER GERT ; E ROUTH ; E WAGNER ; E WANGER ; FETZER T ; FETZER THOMAS ; FETZER THOMAS DR

Inventor(s): M A BASF AG

Agent(s): ROBIC

Designated states: AT BE CA CH CN CZ DE DK ES FI FR GB GR IE IT JP KR LU MC NL NO PL PT SE SG SK UA US

Title: Process for producing iron oxide pigments

Abstract: Source: US6503315B 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: C01G49/06 C01P2006/62 C01P2006/63 C01P2006/64
C08K3/22 C08K2003/2265 C09C1/24 C09D7/1216

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_A2				
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
Byferrox 4100 ²⁾	39.7	29.8	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:

CA20002326765 20001124 DE19991058168 19991202 EP20000125284 20001121

Probable Assignee: LANXESS DEUTSCHLAND GMBH

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

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

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

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: Process for producing granular hematite particles

Abstract: Source: US2003051636A 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

JP2000320417 粉末冶金の製造方法													
実施例	原料鉄粉 (g)	原料鉄粉の粒度 (μm)		原料鉄粉の純度 (%)		原料鉄粉の平均粒径 (μm)		原料鉄粉の平均粒径 (μm)		原料鉄粉の平均粒径 (μm)		原料鉄粉の平均粒径 (μm)	
		最大	最小	最大	最小	最大	最小	最大	最小	最大	最小	最大	最小
1	5000	0.25	5	28	1.8	2	30	1	82	20	28	2	88
2	5	0.25	5	28	1.8	2	30	1	82	22	35	2	88
3	5	0.25	5	28	1.8	2	30	1	85	24	38	2	88
4	5	0.25	5	17	1.8	2	30	1	85	24	16	1.5	85
5	5000	0.25	5	12	1.8	2	30	1	85	24	35	2	90

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

Probable Assignee: TODA KOGYO CORP

Assignee(s): (std): SUMITA HIROSHI ; TODA KOGYO CORP ; TODA KOGYO K K

Assignee(s): TODA KOGYO KK

Inventor(s): (std): SUMITA HIROSHI ; TAHIRO KAKU ; TSUNODA HIROSHI

Inventor(s): KAKU TAHIRO

Designated states: BE DE ES FR GB IT

Title: SYNTHETIC PROCESS OF MANUFACTURING MICRONISED PURE MAGNETIC GRADE FERRIC OXIDE Fe_2O_3

Abstract: Source: US2003170163A Pure Ferric Oxide is used to produce Ferrite for electronic industries. It is also known as an important pigment in the name of Red oxide. Synthetic pure Ferric Oxide is generally manufactured by chemical reaction with iron scrap and inorganic acid like Sulfuric or Hydrochloric Acid and other processes for manufacturing Ferric Oxide are also known, but Nitric acid is not used to manufacture Ferric Oxide due to passivation problem with iron scraps. The passivation problem is responsible for very slow speed reaction with Nitric acid and iron and it ultimately stops. This invention is a process to avoid passivation problem and to create tremendously vigorous chemical reaction with Nitric acid and iron scrap. With the help of oxygen, heating process and application of small pressure, the speed of the chemical reaction suddenly become vigorous when iron turns into hydrated Ferric Oxide $\text{Fe}_2\text{O}_3 \cdot \text{H}_2\text{O}$ dispersion in acid-water media. Acidity of the dispersion is reduced by passing through series of similar reactors packed with iron scraps under same condition of that reactor. The resultant product is followed by mechanical purification and after that sent to spray drying roaster to get 98 percent pure Ferric Oxide Fe_2O_3 of micron size. The exit gases mainly Nitrogen Dioxide (NO_2) can be sent to Nitric acid plant for reuse in the reaction or NO_2 can be absorbed in suitable chemical absorbent to get its nitrate. This Ferric Oxide is magnetic grade and thus suitable for the production of Ferrite in electronic industries. This is also a pigment in the name of Red Oxide.

Classifications:

International (IPC 8-9): C01G49/06 (Advanced/Invention);

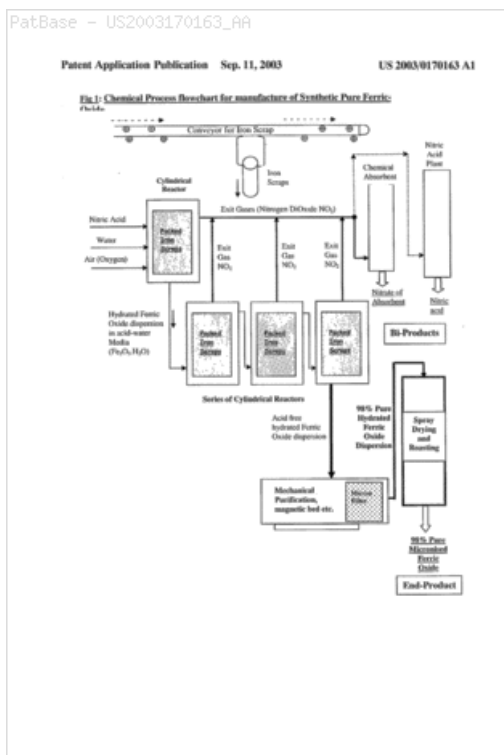
C01G49/02 (Core/Invention)

International (IPC 1-7): C01G49/00

CPC: C01G49/06

European: C01G49/06

US: 423/395



Family:

Publication number	Publication date	Application number	Application date
US2003170163 AA	20030911	US20020091972	20020307

Priority:

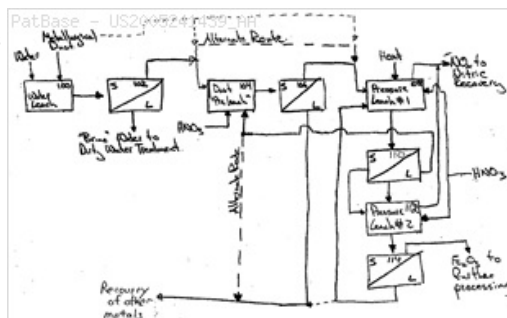
US20020091972 20020307

Probable Assignee: BANERJEE PRITISH CHANDRA

Assignee(s): (std): BANERJEE PRITISH CHANDRA ; CHATTERJEE ASHIS

Inventor(s): (std): BANERJEE PRITISH CHANDRA ; CHATTERJEE ASHIS

US: 423/150.3 423/633 75/743 75/746 75/961



Publication number	Publication date	Application number	Application date
AT540130 E	20120115	AT20050741003T	20050429
AU2005238101 AA	20051110	AU20050238101	20050429
AU2005238101 BB	20101202	AU20050238101	20050429
BRPI0510459 A	20071106	BR2005PI10459	20050429
BRPI0510459 B1	20130611	BR2005PI10459	20050429
CA2536142 AA	20060216	CA20052536142	20050429
CA2536142 C	20121016	CA20052536142	20050429
CN1842608 A	20061004	CN200580000981	20050429
CN1842608 B	20101222	CN200580000981	20050429
DE602005031978 D1	20120308	DE200560031978T	20050429
EA013648 B1	20100630	EA20060002000	20050429
EA200602000 A1	20070427	EA20060002000	20050429
EP1740731 A1	20070110	EP20050741003	20050429
EP1740731 A4	20070314	EP20050741003	20050429
EP1740731 B1	20120104	EP20050741003	20050429
ES2384759 T3	20120712	ES20050741003T	20050429
JP2007534841 T2	20071129	JP20070509841T	20050429
JP5374040 B2	20131225	JP20070509841T	20050429
US2005241439 AA	20051103	US20040834522	20040429
US2008206127 AA	20080828	US20050569904	20050429
US7399454 BB	20080715	US20040834522	20040429
US7604793 BB	20091020	US20050569904	20050429
WO05106053 A1	20051110	WO2005CA00654	20050429

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 KM KP KR KZ LC LI 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 SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: PURE-COLOURED, READILY DISPERSIBLE IRON OXIDE RED PIGMENTS WITH HIGH GRINDING STABILITY

Abstract: Source: US2005274284A The present invention relates to pure-coloured, readily dispersible iron oxide red pigments having high grinding stability, to a process for preparing them, and to their use.

Classifications:

International (IPC 8-9): C01G49/02 C01G49/06 C08K3/22 C09C1/24 C09C3/04 C09C3/06 C09D201/00 (Advanced/Invention); G02B5/22 (Advanced/Non-invention); C01G49/02 C08K3/00 C09C1/22 C09C3/04 C09C3/06 C09D201/00 (Core/Invention); G02B5/22 (Core/Non-invention); C09C (Subclass/Non-invention)

International (IPC 1-7): C01G49/02 C01G49/06 C09C1/22 C09C1/24 C09C3/04 C09C3/06 C09D0/0 C09D0/00

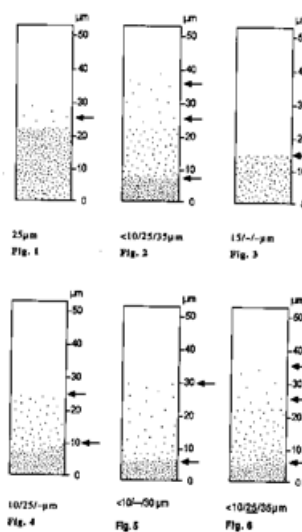
CPC: Y10T428/2991 Y10T428/2993 C09C1/24 C01G49/06 C01P2006/63 C01P2006/64 C01P2006/66

European: C01G49/06 C09C1/24 M01P6/63 M01P6/64 M01P6/66

US: 106/419 106/424 106/456 106/459 106/712 162/162 423/632 424/464 426/250 427/215 427/218 427/289 427/372.2 427/427 428/403 428/404 524/431

PatBase - US2005274284_AA

Patent Application Publication Dec. 15, 2005 Sheet 1 of 4 US 2005/0274284 A1



Family:

Publication number	Publication date	Application number	Application date
AU2005202048 AA	20051201	AU20050202048	20050513
AU2005202048 BB	20110303	AU20050202048	20050513
BRPI0506385 A	20061003	BR2005PI06385	20050516
BRPI0506385 B1	20170502	BR2005PI06385	20050516
CA2507331 AA	20051114	CA20052507331	20050513
CA2507331 C	20120904	CA20052507331	20050513
CN1696208 A	20051116	CN200510071487	20050516
CN1696208 B	20100901	CN200510071487	20050516
DE102004024013 A1	20051201	DE200410024013	20040514
DE502005012893 D1	20120906	DE200550012893T	20050510
EP1605023 A2	20051214	EP20050010096	20050510
EP1605023 A3	20090513	EP20050010096	20050510
EP1605023 B1	20120711	EP20050010096	20050510
ES2389728 T3	20121030	ES20050010096T	20050510
JP2006008990 A2	20060112	JP20050143262	20050516
JP5001525 B2	20120815	JP20050143262	20050516
MXPA05005166 A1	20051206	MX2005PA05166	20050513
US2005274284 AA	20051215	US20050128590	20050513
US7294191 BB	20071113	US20050128590	20050513
ZA200503859 A	20060927	ZA20050003859	20050513

Priority:

CA20052507331 20050513 DE200410024013 20040514 DE200410240132 20040514
EP20050010096 20050510

Probable Assignee: LANXESS DEUTSCHLAND GMBH

Assignee(s): (std): BAYER CHEMICALS AG ; BUROW WILFRIED ; LANXESS DEUTSCHLAND GMBH ; ROSENHAHN CARSTEN ; SCHNEIDER VOLKER

Inventor(s): (std): BUROW WILFRIED ; BUROW WILFRIED DR ; CARSTEN ROSENHAHN ; ROSENHAHN CARSTEN ; ROSENHAHN CARSTEN DR ; SCHNEIDER VOLKER ; SCHNEIDER VOLKER DR ; VOLKER SCHNEIDER ; WILFRIED BUROW ; VOLKER ROSENHAHN CARSTEN BUROW

Inventor(s): ROSENHAHN CARSTEN BUROW WILFRIED SCHNEIDER VOLKER

Agent(s): DAVIES COLLISON CAVE PTY LTD; DAVIES COLLISON CAVE; FETHERSTONHAUGH AND CO; LANXESS CORP; NICENOR A; NORMAN B

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

Title: MODACRYLIC SHRINKABLE FIBER AND METHOD FOR MANUFACTURING THE SAME

Abstract: Source: US2007243377A A modacrylic shrinkable fiber according to the present invention is containing a polymer composition obtained by mixing 50 to 99 parts by weight of a polymer (A) containing 40 wt percent to 80 wt percent of acrylonitrile, 20 wt percent to 60 wt percent of a halogen-containing monomer and 0 wt percent to 5 wt percent of a sulfonic-acid-containing monomer, and 1 to 50 parts by weight of a polymer (B) containing 5 wt percent to 70 wt percent of acrylonitrile, 20 wt percent to 94 wt percent of an acrylic ester and 1 wt percent to 40 wt percent of a sulfonic-acid-containing monomer containing a methallylsulfonic acid or metal salts thereof or amine salts thereof, in which a total amount of the polymer (A) and the polymer (B) is 100 parts by weight. In this way, a modacrylic shrinkable fiber that has a favorable color development property after dyeing and a high shrinkage ratio even after dyeing is obtained.

Classifications:

International (IPC 8-9): C08F220/44 D01F6/54 D02G3/00 D02G3/02 D04H1/00 D04H3/00 D04H5/00 (Advanced/Invention); C08F220/00 D01F6/44 D02G3/00 D02G3/02 (Core/Invention)

International (IPC 1-7): C08F220/44 D01F6/54

CPC: Y10T428/2913 Y10T428/2929 Y10T428/2931 D01F6/54 C08F220/14 C08F220/44 C08F220/58 C08F228/02 D01F6/48 Y10T442/64

European: C08F220/14 C08F220/58 C08F228/02 D01F6/48 D01F6/54 M08F220/44

US: 428/364 428/364P 428/373 428/374 442/363 525/191 57/362 57/362S

Family:

Publication number	Publication date	Application number	Application date
CN100500958 C	20090617	CN200580023979	20050708
CN1985031 A	20070620	CN200580023979	20050708
JP2006008990 A1	20080501	JP20060529013	20050708
JP4713481 B1	20110629	JP20060529013	20050708
JP4713481 B2	20110629	JP20060529013T	20050708
KR101243399 B1	20130313	KR20077003523	20050708
KR101279675 B1	20130627	KR20127022755	20050708
KR20070045253 A	20070502	KR20077003523	20050708
KR20120104443 A	20120920	KR20127022755	20050708
US2007243377 AA	20071018	US20050632604	20050708
US7612000 BB	20091103	US20050632604	20050708
WO06008990 A1	20060126	WO2005JP12695	20050708

Priority:

JP20040210524 20040716
JP20060529013 20050708

JP20050132819 20050428

WO2005JP12695 20050708

Probable Assignee: KANEKA CORP

Assignee(s): (std): EBISU TOSHIKI ; KANEGAFUCHI CHEMICAL IND ; KANEKA CORP ; KAWAMURA KOHEI ; NISHIDA SOHEI

Inventor(s): (std): SOHEI NISHIDA ; TOSHIKI EBISU ; TOSHIKI NISHIDA SOHEI KAWAMUR ; NISHIDA SOHEI ; KAWAMURA KOHEI ; EBISU TOSHIKI ; KOHEI KAWAMURA

Inventor(s): NISHIDA SOHEI KAWAMURA KOHEI EBISU TOSHIKI

Agent(s): HAMRE SCHUMANN MUELLER AND LARSON PC

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 KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

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

Abstract: Source: US2014205664A 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: C09C1/24 C01G49/06 B82Y30/00 C01P2004/64 C01P2006/12 C01P2006/80 Y10T428/2982

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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