UNITED STATES PATENTS

U.S. 150,007 of April 21, 1874 to Edward Stern
Improvement in transforming atmospheric gases into oxygen, ammonia, etc.
From Ti nitride and carbureted hydrogen.

U.S. 486,941 of November 29, 1892 to A. J. Rossi
Process of reducing ores
Titaniferous iron ore fluxed with bases.

U.S. 503,423 of August 15, 1893 to J. W. Kidwell
Manufacture of glazed iron
Titanic mineral cpd. applied to surface.

U.S. 503,424 of August 15, 1893 to J. W. Kidwell
Manufacture of pigment or paint
Titanic oxides with hydrocarbons.

U.S. 503,425 of August 15, 1893 to J. W. Kidwell
Non-corrodible plastic composition
Composed of titanic minerals and asphaltum.

U.S. 668,266 of February 19, 1901 to A. J. Rossi
Process of producing concentrates containing high percentages of titanic oxide.

U.S. 670,819 of November 26, 1901 to H. Spence
Titanium compound and method of making same
Double basic compound of titanium sulfate and sodium sulfate.

U.S. 681,993 of September 3, 1901 to H. Spence
Process of producing titanium compounds
Br. Equiv. 4,183 of 1899; Ger. Equiv. 123,860

U.S. 691,422 of January 21, 1902 to C. D. Vreeland

U.S. 691,423
Pigment and paint composition
Sludge from aluminum sulfate manufacture (from bauxite and sulfuric acid) is used as a pigment.

U.S. 701,718 of June 3, 1902 to C. N. Hall
Paint
Pigment composed of iron, Si, and Ti.

U.S. 722,857 of March 17, 1903 to M. C. Lamb (to P. Spence & Sons, Ltd.)
Tanning process
Hides and skins treated with titanium cpd.

U.S. 741,396 of October 13, 1903 to G. de Chalmot
Production of nitrogen compounds
From titaniferous compound.

U.S. 758,710 of May 3, 1904 to H. Spence
Titanium Compound
Double sulfate of titanium and sodium, $Ti_2Na_2(SO_4)_4.5H_2O$, in crys. condition; stable in air if kept dry.

U.S. 760,319 of May 17, 1904 to C. Dreher
Process of making compounds of titanic and lactic acids

U.S. 787,758 of April 1905 to H. L. Herrenschmidt.
Process of treating products containing vanadium, molybdenum, titanium and tungsten.
Ore with alk. carbonate.

U.S. 921,686 of May 18, 1909 to F.A.J.Fitzgerald and P.M.Bennie (to General Electric Co.)
Production of titanium oxides
With C - magnetic sep. of iron. 10% H_2SO_4.

U.S. 930,344 of August 1909 to W. Borchers
Process of treating titaniferous iron ores
Smelting with C.

U.S. 954,766; 767; 768 to L. E. Saunders
Abrasive material
Cpds. of Al & Ti, Al, Si, & Ti

U.S. 957,842 of May 10, 1910 to C. Bosch
Production of titanium - nitrogen compounds

U.S. 957,843 of May 10, 1910 to C. Bosch
Process of making ammonia
By heating Ti nitrid.

U.S. 966,815 of August 9, 1910 to P. Farup
Producing coloring matter from titaniferous iron ores
Roasting at low temp. and treatment with H_2O.

U.S. 976,337 of November 2, 1910 to F. M. Becket (to Electrometall. Co.)
Method of preparing pigments
Ti carbide or other product high in Ti heated in air gives yellow pigment, probably nitride. Blue, green or red pigments also obtained.

U.S. 987,554 of March 21, 1911 to G. W. Coggeshall
Preparing an alkali metal titanate

U.S. 988,230 to V. L. Verneuil (to Heller & Son)
Synthetic sapphires
Sulfates of Al, Fe and Ti in flame to oxides and latter fused.

U.S. 990,191 of April 18, 1911 to C. Bosch
Process of producing ammonia
By heating Ti cyanonitrid.

U.S. 990,192 of April 18, 1911 to C. Bosch
Producing ammonium salts
By heating Ti nitrid with acid

U.S. 995,576 of June 20, 1911 to A. Sinding-Larsen
Treatment of titaniferous iron ores
Ti Nitrid.

U.S. 995,897 of June 20, 1911 to S. Peacock
Process of making phosphorous pentoxide and titanium compounds.

U.S. 1,004,505 of September, 1911 to A. V. L. Verneuil
Synthetic Sapphires
Al, Fe and Ti.

U.S. 1,014,793 of January 16, 1912 to G. Weintraub
Obtaining titanic oxide and ferrous sulfate from ilmenite
93% H_2SO_4.

U.S. 1,028,046 of May 28, 1912 to J. R. C. Marsh
Composition of matter
Chem. mixture contg. Ti, Cr, Cu and boron for treating cast iron and steel.

U.S. 1,032,432 of July, 1912 to A. J. Rossi
Stimulating vegetable growth with titanium nitride

U.S. 1,038,827 of September, 1912 to Becket
Refractory article of TiO_2 and Ti carbide

U.S. 1,059,740; 741 of April 1913 to O. Liebknecht & F.Blumenthal
Auxiliary mordants contg. Ti and glycollic acid
Titanic acid with glycollic acid.

U.S. 1,087,575 of February 17, 1914 to P. Farup
Making a yellow pigment from a titaniferous iron ore
Ilmenite with H_2SO_4 to form sulfates and decomp. of sulfates;
60° Be - 78% H_2SO_4
Br. equiv. 10,368 of 1911; Ger. Equiv. 260,906; Fr. equiv. 443,081.

U.S. 1,088,359 of February 1914 to S. Peacock
Making nitrogen - containing compounds of Ti
TiC_2N_4 or $TiCN_2$

U.S. 1,104,317 of July 1913 to A. J. Rossi
Metallurgical method for titaniferous iron ore
C, Ti ore and Mn.

U.S. 1,106,406; 7; 8; 9; 10 of August 11, 1914 to A. J. Rossie and L. S. Barton
Obtaining titanic oxide
From TiO_2 and Fe_2O_3 ores, with soda and coke

U.S. 1,123,763 of January 1915 to H. W. Lamb
Making iron cyanide (titanium similar).

U.S. 1,155,462 of October 5, 1915 to L. E. Barton
A pigment containing titanium oxide

Re. U.S. 14,289 (orig. 1,155,462) of April 24, 1917 to L. E. Barton (to Titanium Alloy Manuf. Co.)
Composite titanic oxide pigment

U.S. 1,156,220 of October 12, 1915 to P. Farup
Titanium oxide from ilmenite or titaniferous iron ores
See Ger. 276,025; Br. 15,680 of 1914

U.S. 1,166,547 of January 4, 1916 to A. J. Rossi and L. E. Barton
Titanic oxide
From ore contg. Ti and Fe oxides

U.S. 1,171,542 of February 15, 1916 to A. J. Rossi and E.E.Barton
Titanic oxide concentrate
Treatment of titaniferous iron or ilmenite ores.

U.S. 1,173,698 of February 29, 1916 to J. W. Block
Coagulant for filtering
Al sulfate as coagulant for titanium compound. Coagulant added to water and Ti sulfate added thereto.

U.S. 1,179,394 of April 18, 1916 to L. E. Barton
Titanium tetrachloride
From TiO_2 with coal, then with Cl_2

U.S. 1,184,131 of May 23, 1916 to A. J. Rossi
Titanic oxide
From ilmenite or rutile with Na bisulfate.

U.S. 1,189,229 of July 4, 1916 to L. E. Barton
Purifying titanic oxide
From ilmenite or other Ti ore. Purity 98.25 - 99.75%

U.S. 1,196,029; 030; 031 of August 29, 1916 to A. J. Rossi and L. E. Barton
Basic titanium sulfate
From ilmenite or other TiO_2 ore. 95% H_2SO_4 mentioned in 1,196,031

U.S. 1,201,541 of October 17, 1916 to L. E. Barton
Production of titanium oxide
From ilmenite ores.

U.S. 1,205,144 of November 21, 1916 to L. E. Barton
Titanic oxide pigment
Ferric iron red. electrolytically; or by SO_2 or by H_2S.

U.S. 1,205,267; 8; 9; of November 21, 1916 to A. J. Rossi and C. M. E. Schroeder
Paint containing titanic oxide

U.S. 1,206,796 of December 5, 1916 to L. E. Barton
Titanic oxide
Ilmenite with nitre cake.

U.S. 1,206,797 of December 5, 1916 to L. E. Barton
Titanic oxide
Ilmenite with Na_2SO_4 and C.

U.S. 1,206,798 of December 5, 1916 to L. E. Barton
Titanic oxide
Fe and Ti oxides with Na sulfide

U.S. 1,218,161 of March 6, 1917 to L. E. Barton
Pigment and Paint
TiO_2 with white lead.

U.S. 1,219,277 of March 13, 1917 to P. Farup
Process of producing sulfuric acid
SO_2 and O over double oxide of Fe and Ti.

U.S. 1,223,356; 57; 58; of April 24, 1917 to L. E. Barton
Titanium oxide pigment; basic sulfate

U.S. 1,234,260 of July 24, 1917 to L. E. Barton
Pigment containing titanic oxide

U.S. 1,235,638 of August 7, 1917 to L. E. Barton
Titanium oxide

U.S. 1,236,367 of August 7, 1917 to L. E. Barton
Manufacture of linoleum
Titanic material incorporated.

U.S. 1,236,655 of August 14, 1917 to L. E. Barton
Titanium oxide pigment

U.S. 1,240,405 of September 18, 1917 to L. E. Barton
Pigments containing titanium oxide

U.S. 1,251,170 of December 25, 1917 to L. E. Barton
Titanium oxide pigment

U.S. 1,255,807 of February 5, 1918 to H. Spence and H. Wrigley
Titanium oxalate

U.S. 1,256,368 of February 12, 1918 to M. R. Raffin
Concentrating titanium ores
Magnetic separation.

U. S. 1,272,855 of July 16, 1918 to A. J. Rossi
Titanic oxide
Sulfate with extract of leaves or bark or other org. material

U. S. 1,276,644 of Aug. 20, 1918 to V. M. Goldschmidt
Process of freeing liquids from suspended particles

U. S. 1,283,455 of Nov. 5, 1918 to L. E. Barton and H. A. Gardner
Printers' inks and coloring matters
Ink contg. TiO_2

U. S. 1,286,916 of Dec. 10, 1918 to L. E. Barton and H. A. Gardner
Lake containing titanic oxide

U. S. 1,288,473 of Dec. 24, 1918 to L. E. Barton
Pigment containing titanium oxide

U. S. 1,288,863 of Dec. 24, 1918 to M. Fladmark (to Titan Co.)
Titanium hydrates
Pptd. from conc. solns. of Ti cpds.

U. S. 1,297,371 of Mar. 18, 1919 to W. R. Loveman
Purifying Zirconium ores
Crude Zr and Ti ore purified by conc. H_2SO_4

U. S. 1,313,874 of Aug. 26, 1919 to L. E. Barton
Titanic oxide pigments

U. S. 1,315,011 of Sept. 2, 1919 to E. R. Darling
Titanium oxide
Ti ore with Cl_2.

U. S. 1,317,164 of Sept. 30, 1919 to A. P. Jaeger
White pigment
TiO_2 and Zn white

U. S. 1,317,165 of Sept. 30, 1919 to A. P. Jaeger
Titanium pigment
Cpd. Ti contg. SO_3 and Fe with H_2SO_4 in pres. $ZnSO_4$ and heating with NaCl.

U. S. 1,317,854 of Oct. 7, 1919 to L. E. Barton and H. A. Gardner
Pliable filled fabric goods
Cellulose material with film of amorph. TiO_2

U. S. 1,322,518 of Nov. 25, 1919 to L. E. Barton
Rubber
S and TiO_2 incorporated

U. S. 1,325,561 of Dec. 23, 1919 to P. Farup
Titanium Compounds
Ilmenite with HCl

U. S. 1,326,319 of Dec. 30, 1919 to L. E. Barton and H.A.Gardner
Rubber
Treated with S, TiO_2, ZnO and C.

U. S. 1,328,636 of Jan. 1920 to J. J. and W. A. Loke
Direct production of refined iron and refined steel from titaniferous iron ores
Reducing gases thru molten iron oxide and Ti cpds. Ti cpd. reduced.

U. S. 1,333,819 of Mar. 16, 1920 to C. Jebsen
Dissolving iron and titanium from ilmenite or similar materials
Treated with 94% H_2SO_4; initial heat. Started by passing thru heated area of steam pipes. Br. equiv. 102,059.

U. S. 1,333,849 of Mar. 16, 1920 to H. Olsen and J. R. Forland (to Titan Co.)
Solution for precipitation of titanium hydrate
Electrolytic red. of ferric sulfate to ferrous; small amt. tetravalent Ti red. to trivalent.

U. S. 1,334,004 of Dec. 1919 to J. Van der Toorn
Treating titaniferous iron ores
Manuf. of metallic Fe. Titan iron sand ground with C and limestone flux and reduced.

U. S. 1,330,473 of Apr. 27, 1920 to H. Wrigley and H. Spence (to Peter Spence & Sons, Ltd.)
Solutions of titanium and iron compounds from ilmenite
Conc. H_2SO_4 (1.75, s.gr - 81% - 61.8° Be) and injected steam.

U. S. 1,341,307 of May 25, 1920 to P. Farup
Light-colored titanium pigment

U. S. 1,343,441 of June 15, 1920 to P. Farup
Titanium pigments

U. S. 1,343,446; 1,343,447 of June 15, 1920 to V. M. Goldschmidt
Titanium pigments

U. S. 1,343,468 of June 15, 1920 to R. Nielsen and V. M. Goldschmidt
Titanium pigments

U. S. 1,343,469 of June 15, 1920 to R. Nielsen and V. M. Goldschmidt
Titanium pigments

U. S. 1,348,129 of July 27, 1920 to V. M. Goldschmidt
Titanium compounds suitable for use as pigments

U. S. 1,348,843 of Aug. 10, 1920 to L. E. Barton
Method of obtaining titanic oxide.

U. S. 1,354,940 of Oct. 5, 1920 to F. E. Bachman
Titanium hydroxide
K_3 $Fe(CN)_6$ used to ppt. iron

U. S. 1,357,690 of Nov. 2, 1920 to O. T. Coffelt.
Recovering titanium from ores
Ilmenite with 77-85% H_2SO_4. 9 claims.

U. S. 1,360,737 of Nov. 30, 1920 to P. Farup
White pigment

U. S. 1,361,866; 867 of Dec. 14, 1920 to C. Jebsen
Purifying titanium hydrates

U. S. 1,362,917 of (App.) Mar. 21, 1917 to L. E. Barton and H. A. Gardner (to Titanium Pigment Co.)
Preparation of glass.
Contains 25% TiO_2

U. S. 1,368,392 of Feb. 15, 1921 to P. Farup
White titanium pigments

U. S. 1,379,019 of May 24, 1921 to A. C. Holzapfel
Surface - coating composition
Contains TiO_2

U. S. 1,389,191 of Aug. 30, 1921 to V. M. Goldschmidt
Titanium pigments

U. S. 1,391,147; 1,391,148 of Sept. 20, 1922 to F. von Bichowsky and J. F. Harthan
Titanium - nitrogen compound

U. S. 1,393,220 of Oct. 11, 1921 to A. C. Holzapfel
Paint
Acid proof paint contg. TiO_2

U. S. 1,396,924 of Nov. 15, 1921 to H. H. Buckman
Titanium pigments

U. S. 1,402,256 of Jan. 3, 1922 to H. H. Buckman
Titanium pigment

U. S. 1,408,661 of Mar. 7, 1922 to F. von Bichowsky and J. Harthan
Titanium nitrogen compounds

U. S. 1,409,648 of Mar. 14, 1922 to L. E. Barton
Titanium oxide pigment

U. S. 1,410,056 of Mar. 21, 1922 to H. H. Buckman
Titanium pigment
Ppt. under pres. from acid Ti sulfate soln.

U. S. 1,411,087 of Mar. 28, 1922 to P. Guignard
Decomposing nitrogen compounds of titanium

U. S. 1,411,839 of Apr. 4, 1922 to H. H. Buckman
Titanium pigment

U. S. 1,412,027 of Apr. 4, 1922 to W. F. Washburn
Titanium oxide pigment

U. S. 1,417,702 of Oct. 25, 1920 to F. V. Bichowsky and F. Harthan.
Preparation of cyanides
From Ti nitride

U. S. 1,419,971 of June 20, 1922 to B. P. F. Kjellberg
Process of treating minerals containing iron, titanium and vanadium
Equiv. Br. 159,532

U. S. 1,429,841 of Sept. 19, 1922 to H. H. Buckman
Titanium pigment

U. S. 1,430,083 of Sept. 26, 1922 to A. C. Holzapfel
Coating composition
Stearine pitch, solvent, rubber, and pigment, e.g., antimony oxide or titanium oxide.

U. S. 1,436,164 of Nov. 21, 1922 to V. M. Goldschmidt
Titanium pigment
Ca titanate

U. S. 1,467,275 of Sept. 4, 1923 to J. Koerner
Process of decomposing zirconium and similar ores.
Zirconium, cerium or titanium ores are fused with silicon fluoride

U. S. 1,487,521 of Mar. 18, 1924 to P. Andreu and R. Paquet
Fixation of nitrogen by means of titanium and its transformation into industrial products.
Process of producing TiO_2.

U. S. 1,489,183 of April 1, 1924 to C. Weizmann and J. Blumenfeld.
Titanic Acid
Ti ore with H_2SO_4 of 70-90% at 150-180° C. Leaching under sufficiently powerful reducing conditions to reduce all ferric salts to ferrous and with only enough water to product a solution having a TiO_2 content of about 20%.

U. S. 1,489,417 of Apr. 8, 1924 to F. E. Bachmann
Titanium compound and its manufacture
Precipitating titanium compounds from solution

U. S. Re 15,973 (of 1,489,417) of Dec. 23, 1924 to F. E. Bachmann
Titanium compound and its manufacture

U. S. 1,489,418 of Apr. 8, 1924 to F. E. Bachmann
Titanium pigment

U. S. 1,492,027 of Apr. 29, 1924 to H. A. Gardner
Protective coating composition
Rubber latex, a drying oil, an alkali and a pigment, e.g., lithopone, titanium oxide, etc.

U. S. 1,501,587 of July 15, 1924 to C. A. Doremus
Titanic oxide
Ilmenite with HF.

U. S. 1,504,669 of Aug. 12, 1924 to J. Blumenfeld
Titanium oxide
80 - 90% H_2SO_4; must not exceed 90%. Prevent pres. ferric ions.

U. S. 1,504,670 of Aug. 12, 1924 to J. Blumenfeld
Titanyl sulfate

U. S. 1,504,671 of Aug. 12, 1924 to J. Blumenfeld
Titanium oxide
80% H_2SO_4. Metallic Fe added to reduce ferric sulfate.

U. S. 1,504,672 of Aug. 12, 1924 to J. Blumenfeld
U. S. Re 17,429 and 17,430 of Sept. 10, 1929 to J. Blumenfeld (to Commercial Pigments Corporation)
Titanium hydroxide

U. S. 1,504,673 of Aug. 12, 1924 to J. Blumenfeld
U. S. Re 16,956 of May 8, 1928 to J. Blumenfeld
Titanium pigment

U. S. 1,511,323 of Oct. 1924 to E. C. Eckel
Cement and by products
Lime and titaniferous iron ore fused. Products, cement and Fe.

U. S. 1,528,319 of Mar. 3, 1925 to G. Carteret and M. Devaux
Treating titanium ores for obtainment of pigments

U. S. 1,539,996 of June 2, 1925 to P. Farup
Titanic oxide

U. S. 1,542,350 of June 16, 1925 to C. R. Whittemore
Process of treating titaniferous iron ores and the products thereof.

U. S. 1,559,113 of Oct. 27, 1925 to H. N. McCoy
Titanium sulfate

U. S. 1,567,445 of Dec. 29, 1925 to S. J. Lubowsky
Refractory material, articles made therefrom, and method of making same
Calcined rutile used.

U. S. 1,568,098 of Jan. 5, 1926 to E. E. Snook
Plastic masses
Mixt. glue, gelatine, etc. with titanox

U. S. Reiss. 16,435 (of 1,568,098) of Oct. 5, 1926 to E. E. Snook
Modeling clay
Includes titanox

U. S. 1,569,483 of Jan. 12, 1926 to T. R. Haglund
Process for the treatment of oxidic raw materials
Oxides of Fe, Si and Ti removed from bauxite

U. S. 1,578,900 of Nov. 30, 1926 to S. Lubowsky (to Metal and Thermit Corp.)
Porous article of rutile and method of making same

U. S. 1,582,888 of May 4, 1926 to T. W. Anderson
Wood-finishing material
Linseed oil catalyzed by alumina, TiO_2 and iron sesquioxide

U. S. 1,583,053 of May 4, 1926 to B. P. F. Kjellberg
Method of recovering vanadium compounds from iron ores containing vanadium and titanium

U. S. 1,590,697 of June 29, 1926 to P. Pipereaut and A. Helbronner
Titanic and zinc compounds.

U. S. 1,593,660 of July 27, 1926 to S. J. Lubowsky
Process for reducing refractory ores

U. S. 1,600,772 of Sept. 21, 1926 to W. J. O'Brien
Lithopone and process for producing same
Pigment comprising lithopone and TiO_2

U. S. 1,600,773 of Sept. 21, 1926 to W. J. O'Brien
Lithopone
Zn sulfate, Ba sulfate and TiO_2

U. S. 1,605,851 of Nov. 2, 1927 to R. H. Monk
Titanium pigment

U. S. 1,613,234 of Jan. 4, 1927 to P. A. Mackay
Titanium oxide
Prep. from titaniferous ore.

U. S. 1,617,754 of Feb. 15, 1927 to D. Gardner
Manufacture of paints

U. S. 1,618,795 of Feb. 22, 1927 to F. E. Bachman
Recovery of titanic acid, iron and magnesia from titaniferous ores.

U. S. 1,633,621 of June 28, 1927 to J. Blumenfeld
Filtration of solutions and the like
Clarification of sols. contg. elements of 4th group

U. S. 1,639,423 of Aug. 16, 1927 to J. Blumenfeld
Titanium pigments

U. S. 1,640,952 of Aug. 30, 1927 to S. J. Lubowsky
Soluble product from titanium dioxide or rutile
Calcined with MgO.

U. S. 1,649,496 of Nov. 15, 1927 to N. Specht
Titanic oxide

U. S. 1,655,940 of Jan. 10, 1928 to J. d'Ans and F. Sommer
Titanium oxide
Red. of ferric iron by usual methods, i.e. electrolytic red. or by metallic Fe.

U. S. 1,662,741 of Mar. 13, 1928 to D. Gardner
Paints, enamels, japans and the like
From oxides of Ti, Zr, Ce, Va, etc.

U. S. 1,663,119 of Mar. 20, 1928 to Cole Coolidge and H. E. Eastlack
Coating composition and method of making the same.
Titanium pigments, among others, used to prevent "lobbering".

U. S. 1,664,675 of April 3, 1928 to G. Gestetner
Stencil sheet.
A white titanium pigment is used in the stencil sheet coating.

U. S. 1,675,117 of June 26, 1928 to S. J. Lubowsky
Electrically - conductive Titanium oxide
Can. 253,964

U. S. 1,680,316 of Aug. 14, 1928 to L. E. Barton and L. W. Ryan (to Titanium Pigment Co.)
Titanium Pigment
See Can. 274,070

U. S. 1,682,242 of Aug. 28, 1928 to W. A. Patrick (to Silica Gel Corporation).
Titanium oxide gel.

U. S. 1,688,117 of Oct. 16, 1928 to O. L. Davis
Composition of matter for transfer designs
White ink containing Titanox

U. S. 1,689,693 of Oct. 30, 1928 to C. Shapley
Separating minerals or other materials by flotation.
Rutile.

U. S. 1,695,270 of Dec. 18, 1928 to L. E. Barton and C. J. Kinzie
Method of obtaining titanic oxide

U. S. 1,695,341 of Dec. 18, 1928 to R. H. Monk
Method of obtaining titanium oxide

U. S. 1,697,929 of Jan. 8, 1929 to L. W. Ryan (to Titanium Pigment Co.)
Alkali-metal titanate

U. S. 1,699,173 of Jan. 8, 1929 to C. R. Whittemore
Titanium oxide from titaniferous iron ores
Ferric iron red. electrolytical to ferrous iron

U. S. 1,700,404 of Jan. 29, 1929 to A. P. Goodell and G. W. Tarr
Water paint
Pigments used include lithopone and titanium dioxide

U. S. 1,703,920 of Mar. 5, 1929 to C. E. Bradley and W. A. Gibbons (to Naugatuch Chemical Co.)
Coating composition
Halogenated, sulfur chloride-treated rubber in a volatile solvent and pigments, e.g. titanium oxide.

U. S. 1,704,308 of Mar. 5, 1929 to B. Szilard
Polishing and grinding material
Comprises TiO_2 and another titanium salt.

U. S. 1,707,248 of April 2, 1929 to J. Blumenfeld (to Commercial Pigments Corporation)
Manufacture of titanium oxide
Optional red. of ferric salts to ferrous.

U. S. 1,707,257 of Apr. 2, 1929 to C. de Rohden (to Commercial Pigment Corporation)
Production of titanium tetrachloride

U. S. 1,707,587 of Apr. 2, 1929 to F. S. Vivas
Process of preparing a fireproofing material for paints
Boric acid, borax, zinc sulfate, sodium tungstate and gelatine in solution mixed with TiO_2, asbestine and silica.

U. S. 1,709,999 of April 23, 1929 to W. J. O'Brien
Lithopone and process for producing same.
Contains TiO_2

U. S. 1,714,408 of May 21, 1929 to F. G. C. Stephens
Production of titanium containing pigments

U. S. 1,717,561 of June 18, 1929 to N. M. Hopkins
Coated article
A primary fire-resistant coating including borax and a second coating containing the usual pigments, e.g. TiO_2

U. S. 1,719,432 of July 2, 1929 to C. J. Kinzie (to the Titanium Alloy Manufacturing Co.)
Colored opacifying pigment and method of making same

U. S. 1,728,296 of Sept. 17, 1929 to A. E. Marshall (to Maryland Pigments Corporation)
Process of making a white-pigment base
Ilmenite sand with phosgene to remove Fe.

U. S. 1,731,364 of Oct. 15, 1929 to F. v. Bichowsky
Alkali-metal compound of a suboxide of titanium and derivatives therefrom

U. S. 1,734,034 of Nov. 5, 1929 to A. W. Gregory
Titanium recovery from ores
C and Na_2CO_3 used

U. S. 1,734,130 of Nov. 5, 1929 to C. H. Holman & O. W. Hooppan
Coating for wood, metal or other surfaces
TiO_2 pigment incorporated

U. S. 1,738,765 of Dec. 10, 1929 to F. Doerinckel and L. Mehler (to Titanium Pigment Company)
Manufacture of Titanium oxide
Na_2SO_3 used to red Fe.

U. S. 1,742,674 of Jan. 7, 1930 to F. v. Bichowsky (to Titania Corp.)
Titanium oxide and process of producing same

U. S. 1,743,885 of Jan, 14, 1929 to D. Gardner and L. Taverner
Extraction of iron and titanium compounds from titanium ores

U. S. 1,745,732 of Feb. 4, 1930 to G. J. Bancroft
Method of treating ferrotitanium ores
Ferrotitanium ores are subjected to a reducing roast in the presence of fluorspar to obtain iron concentrates and titanium concentrates.

U. S. 1,748,429 of Feb. 25, 1930 to F. Stephens, L. J. Anderson and W. Cash
Manufacture of titanium-containing compounds
See Br. 309,051

U. S. 1,750,287 of Mar. 11, 1930 to N. Specht
Process of producing permanent paints
Removing acid from TiO_2 pigment

U. S. 1,750,754 of Mar. 18, 1930 to W. Hoskins
Hectograph Blanket
Coating contains TiO_2

U. S. Appl. 199,135 of June 15, 1927 to Titania Corporation
Titanium oxide and process of producing same

U. S. Appl. 294,981 of July 24, 1928 to Fitzgerald and Kelleher (to Titania Corp.)
Metallurgical furnace
Prep. of Ti nitride in an electric furnace

U. S. Appl. 320,762 of Nov. 20, 1928 to Titania Corp.
Titanium acid sulfate.

U. S. Appl. 365,233 of May 22, 1929 to Titania Corp.
Method for producing titanium compounds

U. S. Appl. 403,660 of Oct. 30, 1929 to Titania Corp.
Method of producing titanium compounds and compounds of nitrogen

U. S. Application of Apr. 13, 1928 to Heinrich Plant (to I.G.)
Alkali metal- or ammonium-titanium double sulfates

150,007
486,941
503,423
503,424
503,425
668,266
670,819
681,993
691,422
691,423
701,718
722,857
741,396
758,710
760,319
787,758
921,686
930,344
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954,767
954,768
957,842
957,843
966,815
976,337
987,554
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990,192
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995,897
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1,106,409
1,106,410
1,123,763
1,155,462 Re 14,289
1,156,220
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1,487,521
1,489,183
1,489,417 Re 15,973
1,489,418
1,492,027
1,501,587
1,504,669
1,504,670
1,504,671
1,504,672 Re 17,429 & 17,430
1,504,673 Re 16,956
1,511,323
1,528,319
1,539,996
1,542,350
1,559,113
1,567,445
1,568,098 Re 16,435
1,569,483
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1,734,034
1,734,130
1,738,765
1,742,674
1,743,885
1,748,429
1,750,287
1,750,754

Appl. 199,135
294,981
320,762
365,233
403,660