

U. S. vs. NATIONAL LEAD COMPANY, ET AL.

IN THE DISTRICT COURT OF THE UNITED STATES FOR
THE SOUTHERN DISTRICT OF NEW YORK.

Civil No. 26-258.

UNITED STATES OF AMERICA, PLAINTIFF,

VS.

NATIONAL LEAD COMPANY, TITAN COMPANY, INC., E. I.
DU PONT DE NEMOURS AND COMPANY, DEFENDANTS.

FINAL DECREE

This cause came on to be heard upon the complaint and the answers thereto upon the evidence and upon argument of counsel. The Court having thereafter rendered and filed its opinion and having made and entered findings of fact and conclusions of law wherein the defendants have been found to have been engaged in a combination in restraint of trade and commerce in titanium pigments among the several states of the United States and of foreign nations, and that the defendants have been and now are parties to contracts, agreements, and understandings in restraint of such trade and commerce in violation of Section 1 of the Sherman Act (26 Stat. 209, 15 U. S. C. § 1) ;

Now, therefore, upon motion of plaintiff by Wendell Berge, Assistant Attorney General, Herbert Berman and William C. Dixon, Special Assistants to the Attorney General, Julian Caplan and Ephraim Jacobs, Special Attorneys, and John F. X. McGohey, United States Attorney, for relief in accordance with the prayer of the complaint, and the defendants having severally appeared by counsel it is ORDERED, ADJUDGED and DECREED as follows:

1. The term "titanium pigments" as used herein shall mean any product containing two percent (2%) or more of the element titanium in a chemically, mechanically or physically combined state and mixtures thereof which can be used as pigments, whether or not adapted for other uses, and also extenders to be used in conjunction with any such product.

2. The term "defendants" shall mean the corporations hereinafter listed who may be identified by the designated abbreviations:

NL	National Lead Company
Tinc	Titan Company, Inc.
DP	E. I. du Pont de Nemours and Company

3. The term "co-conspirators" shall mean the corporations hereinafter listed, who may be identified by the designated abbreviations:

TP	The Titanium Pigment Company, Inc.
Krebs	Krebs Pigment & Color Corporation
TAS	Titan Co. A/S
IG	Interessengemeinschaft Farbenindustrie Aktiengesellschaft
TG	Titangesellschaft m.b.H.
SIT	Société Industrielle du Titane
ICI	Imperial Chemical Industries, Ltd.
GW	Goodlass Wall and Lead Industries, Ltd.
ISC	Imperial Smelting Corporation, Ltd.
BTP	British Titan Products Company, Ltd.
NTP or Laporte	National Titanium Pigments, Ltd.
CIL	Canadian Industries, Ltd.

CTP	Canadian Titanium Pigments, Ltd.
Kokusan or KK	Kokusan Kogyo Kabushiki Kaisha
TK	Titan Kogyo Kabushiki Kaisha
Terres Rares	Société des Produits Chimiques des Terres Rares
Thann	Fabriques des Produits Chimiques de Thann et de Mulhouse
Montecatini	Societa Anonima Titanium
Aussig	Verein fur Chemische und Metallur- gische Produktion.

4. The term "patents as herein defined" shall mean United States letters patent and applications as follows: (a) the letters patent and patent applications listed in Appendix A hereof; (b) all divisions, continuations or reissues of any of the foregoing patents and applications; (c) all patents issued upon such applications; (d) all patents which cover any titanium pigments or any process for the manufacture of titanium pigments issued to any of the defendants within five years from the date of this decree; and all such patents which any of the defendants acquires within such five years; and all such patents of which any of the defendants becomes the exclusive licensee within such five years with power to sublicense.

5. The following agreements are hereby adjudged to be unlawful under Section 1 of the Sherman Act and each of them is hereby cancelled and the defendants and each of them and all persons acting or claiming to act through, for or under them and all successors and subsidiaries of any of the defendants are hereby enjoined and restrained from the further performance of any of the provisions of said agreements and of any agreements amendatory thereof or supplemental thereto:

Agreement dated July 30, 1920, between TP and TAS (Exhibit A);

Agreement between TP and Krebs dated January 1, 1933, as amended January 1, 1941 (Exhibits E and E-3);

Agreements dated July 30, 1920, between NL, TP, The Titanium Alloy Manufacturing Company and TAS (Exhibits A-1 and A-2);

Agreement between TAS and SIT dated March 3, 1927 (Exhibit B);

Agreement between TAS and IG dated October 3 and 20, 1927 (Exhibit C);

Agreement between TAS and IG signed June 24 and October 20, 1927 (Exhibit C-1);

Agreement between TAS and TG signed October 3 and 20, 1927 (Exhibit C-3);

Agreement between TG and TAS dated October 3 and 20, 1927 (Exhibit C-7);

Agreement between TG and TAS dated October 3 and 20, 1927 (Exhibit C-8);

Agreement dated February 16, 1933 between ICI, ISC, GW and TINC (Exhibit F);

Agreements between TINC, SIT, TERRES RARES, and Thann dated June 5 and 17, 1935 (Exhibits G-1 and G-2);

Agreements between TINC, TERRES RARES, and IG, and between TINC, TERRES RARES, IG, TG, Thann, and Doitsu both dated January 18, 1936 (Exhibits J and J-2);

Agreement between NL and CIL dated January 1, 1937 (Exhibit K);

Agreement between NL and CTP dated January 1, 1937, as amended February 27, 1939 (Exhibits K-1 and K-5);

Agreements between DP and TINC dated July 27, 1937, June 20, 1938, April 21, 1939, May 10, 1940, and June 23, 1941 (Exhibits M, N, Q, R and S), and the

"License Field Extender" agreements to which NL or TINC were parties, including the agreement between NL and TINC dated March 28, 1939 (Exhibit O); provided, however, that the provisions of this paragraph

with respect to the agreements between TP and Krebs dated January 1, 1933, as amended January 1, 1941 (Exhibits E and E-3) shall not go into effect until the expiration of nine months from the date of this decree.

6. Each of the defendants and each of their directors, officers, agents, employees, successors and subsidiaries and all persons acting, or claiming to act under, through or for them or any of them are hereby enjoined and restrained (a) from entering into, adhering to, maintaining or furthering, directly or indirectly, or claiming any rights under any contract, agreement, understanding, plan or program among themselves, the co-conspirators, or with any other person, partnership or corporation, which has as its purpose or effect the continuing or renewing of any of the agreements listed in paragraph 5 hereof; (b) from entering into, adhering to, maintaining or furthering, directly or indirectly, any contract, agreement, undertaking, plan or program with any other producer or dealer relating to titanium pigments which has as its purpose or effect (1) to divide sales or manufacturing territories, (2) to allocate markets, (3) to limit or prevent United States imports or exports, (4) to grant to any third party any market as its exclusive territory, (5) to keep any third party out of any market; provided, however, that nothing contained in this subdivision (b) of this paragraph 6 shall prohibit any normal and usual arrangements between any defendant and its directors, officers, employees, agents, subsidiaries, or any dealer or distributor, whether or not a co-conspirator; (c) from restricting any purchaser of titanium pigments in the use thereof.

7. Each of the defendants is ordered to grant to any applicant therefor, including any defendant or co-conspirator, a non-exclusive license under any or all of the patents as herein defined at a uniform, reasonable royalty. Such grant may, at the option of the licensor, be conditioned upon the reciprocal grant of a license by the applicant, at a reasonable royalty, under any and all patents covering titanium pigments or their manufacture,

now issued or pending, or issued within five years from the date of this decree, if any, owned or controlled by such applicant. Such license or reciprocal license may, at the option of either party, contain a provision for the inspection of the books and records of the licensee by an independent auditor who shall report to the licensor only the amount of royalty due and payable and no other information. During a period of three years from the date of this decree such license or reciprocal license may at the option of either party contain a provision for the imparting in writing, at a reasonable charge, by the licensor to the licensee, of the methods and processes used by the former at the date of the license in its commercial practice under the licensed patents in connection with the production of titanium pigments. The Court reserves jurisdiction to pass upon the reasonableness of any royalty or charge herein directed to be reasonable. Defendants are restrained from attempting to enforce any rights under any foreign patents owned by them or under which they are the exclusive licensees to prevent the exportation of titanium pigments from the United States to any foreign country.

8. Within one year from the date of this decree, defendants NL and Tinc shall present to the Court for its approval a plan for divesting themselves of their stock holdings and other financial interests, direct or indirect, in BTP, CTP, TG and TK, or for the purchase of the entire stock holdings and other financial interests, direct and indirect, in said companies or any of them. Such plan of sale shall not provide for the transfer of such stock or interest to any other defendant or to any corporation in which any defendant will, upon consummation of the plan, have any interest, provided that this provision shall not preclude transfer of said defendants' stock holdings in BTP to ISC, GW, and ICI, or any of them, or preclude transfer of said defendants' stock holdings in CTP to CIL. The plan shall provide for its completion within two years from the date of this decree.

9. Either American Zirconium Corporation or Virginia Chemical Corporation, their successors or assigns, may at their option, if exercised within six months from the date of this decree, apply for licenses from DP under the provisions of paragraph 7. In the event American Zirconium Corporation, Virginia Chemical Corporation or their respective successors or assigns exercise the foregoing option, DP is enjoined from collecting royalties under any existing license agreement relating to titanium pigments between it and the person exercising the option in respect of any period subsequent to such exercise. Defendants NL, Tinc and DP are hereby enjoined from bringing, or threatening to bring, any action against any person or corporation for the alleged infringement prior to the date of this decree of any patent as herein defined.

10. The Attorney General of the United States or his proper representative shall, for the purpose of securing compliance with this decree, be permitted (1) access, during the office hours of the defendants, to all books, ledgers, accounts, correspondence, memoranda, and other records and documents in the possession or under the control of the defendants, relating to any matters contained in this decree, (2) subject to any legally recognized privilege, without restraint or interference from the defendants, to interview officers or employees of the defendants, who may have counsel present, regarding any such matters; provided, however, that information obtained by the means permitted in this paragraph shall not be divulged by any representative of the Department of Justice to any person other than a duly authorized representative of the Department of Justice except in the course of legal proceedings for the purpose of securing compliance with this decree in which the United States is a party or as otherwise required by law.

11. Judgment is entered against the defendants for all costs to be taxed in this proceeding.

12. The cancellations, injunctions and all executory action provided for under this decree shall not become effec-

tive or operative until ninety days from the date of this decree.

13. Jurisdiction of this cause, and of the parties hereto, is retained by the Court for the purpose of enabling any of the parties to this decree, or any other person or corporation that may hereafter become bound, in whole or in part, thereby to apply to the Court at any time for such further orders, modifications, vacations or directions as may be necessary or appropriate

(1) for the construction or carrying out of this decree, and

(2) for the enforcement of compliance therewith and the punishment of violations thereof.

Dated at New York,
October 11, 1945.

SIMON H. RIFKIND,
District Judge.

APPENDIX A

I. *National Lead Company:*

A. Patents.

Patent No.	Date of Issue
1, 695, 270	Dec. 18, 1928
1, 697, 929	Jan. 8, 1929
1, 738, 765	Dec. 10, 1929
1, 758, 472	May 13, 1930
1, 773, 727	Aug. 26, 1930
1, 820, 987	Sept. 1, 1931
1, 820, 988	Sept. 1, 1931
1, 831, 852	Nov. 17, 1931
1, 847, 539	Mar. 1, 1932
1, 856, 565	May 3, 1932
1, 889, 027	Nov. 29, 1932
1, 906, 729	May 2, 1933
1, 906, 730	May 2, 1933

(Cont'd.)

Patent No.	Date of Issue
1, 916, 236	July 4, 1933
1, 929, 521	Oct. 10, 1933
1, 957, 528	May 8, 1934
1, 969, 061	Aug. 7, 1934
2, 034, 923	Mar. 24, 1936
2, 039, 432	May 5, 1936
2, 055, 222	Sept. 22, 1936
2, 084, 826	June 22, 1937
2, 084, 917	June 22, 1937
2, 084, 918	June 22, 1937
2, 091, 799	Aug. 31, 1937
2, 098, 278	Nov. 9, 1937
2, 113, 945	Apr. 12, 1938
2, 113, 946	Apr. 12, 1938
Re. 21, 693	Jan. 14, 1941
2, 130, 560	Sept. 20, 1938
2, 130, 565	Sept. 20, 1938
2, 132, 491	Oct. 11, 1938
2, 133, 251	Oct. 11, 1938
2, 140, 222	Dec. 13, 1938
2, 148, 283	Feb. 21, 1939
2, 154, 130	Apr. 11, 1939
2, 166, 082	July 11, 1939
2, 167, 626	Aug. 1, 1939
2, 167, 627	Aug. 1, 1939
2, 167, 628	Aug. 1, 1939
2, 170, 800	Aug. 29, 1939
2, 170, 940	Aug. 29, 1939
2, 176, 875	Oct. 24, 1939
2, 176, 876	Oct. 24, 1939
2, 176, 877	Oct. 24, 1939
2, 184, 938	Dec. 26, 1939
2, 202, 594	May 28, 1940
2, 211, 828	Aug. 20, 1940
2, 212, 629	Aug. 27, 1940
2, 215, 857	Sept. 24, 1940
2, 215, 866	Sept. 24, 1940
2, 222, 385	Nov. 19, 1940

(Cont'd.)

Patent No.	Date of Issue
2, 227, 239	Dec. 31, 1940
2, 234, 681	Mar. 11, 1941
2, 244, 258	June 3, 1941
2, 246, 062	June 17, 1941
2, 278, 709	Apr. 7, 1942
2, 280, 795	Apr. 28, 1942
2, 285, 485	June 9, 1942
2, 285, 486	June 9, 1942
2, 285, 894	June 9, 1942
2, 290, 539	July 21, 1942
2, 291, 091	July 28, 1942
2, 291, 082	July 28, 1942
2, 316, 840	Apr. 20, 1943
2, 316, 841	Apr. 20, 1943
2, 329, 641	Sept. 14, 1943
2, 334, 663	Nov. 16, 1943
2, 341, 994	Feb. 15, 1944
2, 344, 265	Mar. 14, 1944
2, 344, 288	Mar. 14, 1944
2, 344, 319	Mar. 14, 1944
2, 346, 296	Apr. 11, 1944
2, 346, 320	Apr. 11, 1944
2, 346, 188	Apr. 11, 1944
2, 346, 322	Apr. 11, 1944
2, 365, 559	Dec. 19, 1944
2, 365, 560	Dec. 19, 1944
2, 367, 738	Jan. 9, 1945
2, 368, 591	Jan. 30, 1945
2, 369, 468	Feb. 13, 1945
2, 378, 675	June 19, 1945
2, 378, 790	June 19, 1945

B. Patent Applications.

Serial No.	Filing Date	Inventor
364, 986	Nov. 9, 1940	S. W. Martin
441, 990	May 6, 1942	W. Grave et al.
453, 300	Aug. 1, 1942	J. L. Turner et al.

(Cont'd.)

Serial No.	Filing Date	Inventor
454, 185	Aug. 8, 1942	H. V. Alessandroni
454, 193	Aug. 8, 1942	S. S. Cole et al.
454, 194	Aug. 8, 1942	W. Y. Agnew
459, 026	Sept. 19, 1942	C. W. Rau et al.
489, 576	June 3, 1943	F. L. Kingsbury
500, 921	Sept. 2, 1943	W. Y. Agnew
505, 082	Oct. 5, 1943	A. P. Honchar
522, 845	Feb. 17, 1944	S. G. Tinsley
526, 130	Mar. 11, 1944	F. L. Kingsbury et al.
538, 549	June 2, 1944	A. P. Honchar
539, 332	June 8, 1944	J. M. O'Shaughnessy
546, 903	July 27, 1944	J. Barksdale
555, 902	Sept. 26, 1944	S. S. Cole
572, 658	Jan. 13, 1945	J. L. Turner et al.
585, 812	Mar. 30, 1945	W. F. Meister
599, 129	June 12, 1945	S. S. Cole
605, 627	July 17, 1945	R. W. Ancrum

II. *Titan Company, Inc.:*

A. Patents.

Patent No.	Date of Issue
2, 055, 221	Sept. 22, 1936
2, 111, 460	Mar. 15, 1938
*2, 121, 215	June 21, 1938
2, 130, 554	Sept. 30, 1938
2, 139, 686	Dec. 13, 1938
2, 140, 235	Dec. 13, 1938
2, 140, 236	Dec. 13, 1938
2, 161, 755	June 6, 1939
2, 200, 373	May 14, 1940
*2, 224, 987	Dec. 17, 1940
2, 242, 320	May 20, 1941
2, 246, 030	June 17, 1941
*2, 260, 177	Oct. 21, 1941
*2, 303, 305	Nov. 24, 1942
*2, 303, 306	Nov. 24, 1942

(Cont'd.)

Patent No.	Date of Issue
*2, 303, 307	Nov. 24, 1942
*2, 339, 793	Jan. 25, 1944
2, 339, 808	Jan. 25, 1944
2, 365, 135	Dec. 12, 1944

B. Patent Applications.

Serial No.	Filing Date	Inventor
495, 946	July 23, 1943	R. W. Ancrum

*Vested in Alien Property Custodian.

III. *Titan Company A/S:* Exclusively licensed to National Lead Co.

A. Patents.

Patent No.	Date of Issue
*1, 852, 510	Apr. 5, 1932
*1, 919, 425	July 25, 1933

IV. *I. G. Farbenindustrie:* Exclusively licensed to National Lead Co.

A. Patents.

Patent No.	Date of Issue
*1, 813, 649	July 7, 1931
1, 816, 388	July 28, 1931
*1, 849, 153	Mar. 15, 1932
*1, 850, 154	Mar. 22, 1932
*1, 850, 286	Mar. 22, 1932
*1, 878, 013	Sept. 20, 1932
*1, 891, 210	Dec. 13, 1932
*1, 891, 911	Dec. 27, 1932
*1, 934, 778	Nov. 14, 1933
*1, 941, 285	Dec. 26, 1933

(Cont'd.)

Patent No.	Date of Issue
*1, 995, 580	Mar. 26, 1935
*2, 068, 294	Jan. 19, 1937
*2, 118, 916	May 31, 1938
*2, 121, 408	June 21, 1938
*2, 122, 180	June 28, 1938
*2, 138, 384	Nov. 29, 1938
*2, 144, 577	Jan. 17, 1939
*2, 158, 520	May 16, 1939
*2, 161, 975	June 13, 1939
*2, 187, 821	Jan. 23, 1940
*2, 280, 223	Apr. 21, 1942
*2, 337, 103	Dec. 21, 1943

*Vested in Alien Property Custodian.

V. *Titangesellschaft*: Exclusively licensed to National Lead Co.

Patent No.	Date of Issue
*2, 275, 856	Mar. 10, 1942
*2, 367, 118	Jan. 9, 1945

VI. *Dupont*:

A. Patents.

Patent No.	Date of Issue
1, 707, 248	Apr. 2, 1929
1, 707, 257	Apr. 2, 1929
1, 709, 999	Apr. 23, 1929
1, 750, 287	Mar. 11, 1930
Re. 18, 790	Apr. 4, 1933
Re. 18, 854	May 30, 1933
1, 766, 592	June 24, 1930
1, 797, 760	Mar. 24, 1931
1, 827, 691	Oct. 13, 1931

(Cont'd.)

Patent No.	Date of Issue
1, 832, 666	Nov. 17, 1931
1, 836, 275	Dec. 15, 1931
1, 845, 633	Feb. 16, 1932
1, 846, 188	Feb. 23, 1932
1, 851, 487	Mar. 29, 1932
Re. 19, 594	May 28, 1935
1, 864, 504	June 21, 1932
1, 885, 187	Nov. 1, 1932
1, 885, 921	Nov. 1, 1932
1, 885, 934	Nov. 1, 1932
1, 892, 693	Jan. 3, 1933
1, 899, 572	Feb. 28, 1933
1, 899, 573	Feb. 28, 1933
1, 899, 574	Feb. 28, 1933
1, 902, 203	Mar. 21, 1933
1, 902, 204	Mar. 21, 1933
1, 915, 393	June 27, 1933
1, 922, 816	Aug. 15, 1933
1, 931, 380	Oct. 17, 1933
1, 931, 381	Oct. 17, 1933
1, 937, 037	Nov. 28, 1933
1, 943, 497	Jan. 16, 1934
1, 975, 339	Oct. 2, 1934
1, 977, 577	Oct. 16, 1934
1, 977, 582	Oct. 16, 1934
2, 006, 342	July 2, 1935
2, 018, 955	Oct. 29, 1935
2, 026, 862	Jan. 7, 1936
2, 031, 750	Feb. 25, 1936
2, 044, 941	June 23, 1936
2, 044, 942	June 23, 1936
2, 045, 836	June 30, 1936
2, 046, 054	June 30, 1936
2, 047, 208	July 14, 1936
2, 049, 504	Aug. 4, 1936
2, 062, 133	Nov. 24, 1936
2, 062, 134	Nov. 24, 1936
Re. 21, 427	Apr. 16, 1940

(Cont'd.)

Patent No.	Date of Issue
2, 098, 025	Nov. 2, 1937
2, 098, 026	Nov. 2, 1937
2, 098, 054	Nov. 2, 1937
2, 098, 055	Nov. 2, 1937
2, 098, 056	Nov. 2, 1937
2, 111, 236	Mar. 15, 1938
2, 111, 788	Mar. 22, 1938
2, 112, 966	Apr. 5, 1938
2, 113, 380	Apr. 5, 1938
2, 125, 340	Aug. 2, 1938
2, 125, 342	Aug. 2, 1938
2, 127, 247	Aug. 16, 1938
2, 136, 313	Nov. 8, 1938
2, 138, 090	Nov. 29, 1938
2, 138, 118	Nov. 29, 1938
2, 149, 329	Mar. 7, 1939
2, 149, 370	Mar. 7, 1939
2, 150, 235	Mar. 14, 1939
2, 150, 236	Mar. 14, 1939
2, 151, 331	Mar. 21, 1939
2, 151, 339	Mar. 21, 1939
2, 159, 055	May 23, 1939
2, 163, 385	June 20, 1939
2, 166, 221	July 18, 1939
2, 166, 257	July 18, 1939
2, 177, 250	Oct. 24, 1939
2, 177, 254	Oct. 24, 1939
2, 177, 269	Oct. 24, 1939
2, 180, 961	Nov. 21, 1939
2, 183, 365	Dec. 12, 1939
2, 187, 050	Jan. 16, 1940
2, 192, 501	Mar. 5, 1940
2, 192, 687	Mar. 5, 1940
2, 192, 953	Mar. 12, 1940
2, 192, 954	Mar. 12, 1940
2, 192, 956	Mar. 12, 1940
2, 193, 559	Mar. 12, 1940
2, 193, 563	Mar. 12, 1940

(Cont'd.)

Patent No.	Date of Issue
2, 197, 953	Apr. 23, 1940
2, 212, 935	Aug. 27, 1940
2, 213, 542	Sept. 3, 1940
2, 214, 132	Sept. 10, 1940
2, 214, 815	Sept. 17, 1940
2, 216, 536	Oct. 1, 1940
2, 216, 879	Oct. 8, 1940
2, 216, 889	Oct. 8, 1940
2, 218, 655	Oct. 22, 1940
2, 218, 704	Oct. 22, 1940
2, 219, 129	Oct. 22, 1940
2, 220, 952	Nov. 12, 1940
2, 220, 966	Nov. 12, 1940
2, 224, 777	Dec. 10, 1940
2, 226, 142	Dec. 24, 1940
2, 226, 147	Dec. 24, 1940
2, 231, 455	Feb. 11, 1941
2, 231, 456	Feb. 11, 1941
2, 231, 467	Feb. 11, 1941
2, 231, 468	Feb. 11, 1941
2, 232, 164	Feb. 18, 1941
2, 232, 168	Feb. 18, 1941
2, 232, 723	Feb. 25, 1941
2, 233, 358	Feb. 25, 1941
2, 237, 764	Apr. 8, 1941
2, 253, 551	Aug. 26, 1941
2, 253, 590	Aug. 26, 1941
2, 253, 595	Aug. 26, 1941
2, 254, 630	Sept. 2, 1941
2, 257, 278	Sept. 30, 1941
2, 259, 638	Oct. 21, 1941
2, 260, 826	Oct. 28, 1941
2, 260, 871	Oct. 28, 1941
2, 265, 386	Dec. 9, 1941
2, 266, 233	Dec. 16, 1941
2, 266, 260	Dec. 16, 1941
2, 266, 793	Dec. 23, 1941
2, 269, 139	Jan. 6, 1942

(Cont'd.)

Patent No.	Date of Issue
2, 273, 431	Feb. 17, 1942
2, 274, 521	Feb. 24, 1942
2, 274, 541	Feb. 24, 1942
2, 280, 590	Apr. 21, 1942
2, 280, 619	Apr. 21, 1942
2, 282, 006	May 5, 1942
2, 282, 303	May 12, 1942
2, 282, 527	May 12, 1942
2, 284, 585	May 26, 1942
2, 284, 772	June 2, 1942
2, 286, 881	June 16, 1942
2, 286, 882	June 16, 1942
2, 286, 910	June 16, 1942
2, 287, 161	June 23, 1942
2, 287, 416	June 23, 1942
2, 287, 440	June 23, 1942
2, 293, 861	Aug. 25, 1942
2, 294, 381	Sept. 1, 1942
2, 294, 394	Sept. 1, 1942
2, 296, 066	Sept. 15, 1942
2, 296, 618	Sept. 22, 1942
2, 296, 636	Sept. 22, 1942
2, 296, 637	Sept. 22, 1942
2, 296, 639	Sept. 22, 1942
2, 301, 412	Nov. 10, 1942
2, 304, 110	Dec. 8, 1942
2, 305, 368	Dec. 15, 1942
2, 307, 048	Jan. 5, 1943
2, 313, 844	Mar. 16, 1943
2, 319, 824	May 25, 1943
2, 321, 490	June 8, 1943
2, 326, 592	Aug. 10, 1943
2, 331, 496	Oct. 12, 1943
2, 331, 515	Oct. 12, 1943
2, 337, 162	Dec. 21, 1943
2, 337, 215	Dec. 21, 1943
2, 342, 483	Feb. 22, 1944
2, 345, 980	Apr. 4, 1944

(Cont'd.)

Patent No.	Date of Issue
2, 345, 985	Apr. 4, 1944
2, 346, 085	Apr. 4, 1944
2, 346, 091	Apr. 4, 1944
2, 357, 089	Aug. 29, 1944
2, 357, 101	Aug. 29, 1944
2, 358, 167	Sept. 12, 1944
2, 361, 986	Nov. 7, 1944
2, 361, 987	Nov. 7, 1944
2, 366, 047	Dec. 26, 1944
2, 369, 246	Feb. 13, 1945
2, 369, 262	Feb. 13, 1945
2, 374, 088	Apr. 17, 1945
2, 374, 114	Apr. 17, 1945
2, 378, 148	June 12, 1945

B. Patent Applications.

Serial No.	Filing Date	Inventor
391, 309	Apr. 30, 1941	H. H. Schaumann
392, 941	May 10, 1941	G. R. Seidel
426, 247	Jan. 9, 1942	C. M. Olson
426, 248	Jan. 9, 1942	Olson & Booge
426, 250	Jan. 9, 1942	Keats & Peterson
426, 251	Jan. 9, 1942	J. L. Keats
449, 665	July 3, 1942	C. M. Olson
449, 666	July 3, 1942	C. M. Olson
449, 667	July 3, 1942	C. M. Olson
472, 876	Jan. 19, 1943	Olson & Krchma
483, 357	Apr. 16, 1943	I. J. Krchma
502, 019	Sept. 11, 1943	R. M. McKinney
521, 132	Feb. 4, 1944	Booge & Seidel
521, 685	Feb. 9, 1944	J. H. Peterson
521, 686	Feb. 9, 1944	J. H. Peterson
537, 408	May 26, 1944	R. M. McAdam
537, 409	May 26, 1944	R. M. McAdam
538, 339	June 1, 1944	C. M. Olson
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I. *National Lead Company:*

A. Patents.

B. Patent Applications.

II. *Titan Company Inc.:*

A. Patents.

B. Patent Applications.

III. *Titan Company A/S:* Exclusively licensed to National Lead Co.

A. Patents.

IV. *I. G. Farbenindustrie:* Exclusively licensed to National Lead Co.

A. Patents.

V. *Titangesellschaft:* Exclusively licensed to National Lead Co.VI. *Dupont:*

A. Patents.

B. Patent Applications.