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FROM

Research Center ~~AUX. RES. DEPT.~~ Mineral Prod. Res. Lab. ~~DEPT~~

FOR

Cleveland

OFFICE

Auxiliaries

DATE

January 31, 1962

MR

J. V. Hunn

SUBJECT

Basic Lead Silicate

ANSWER NO LETTER OF

DICTATED BY

National Lead makes basic lead silicate under U. S. 2,477,277, July 26, 1949. The preferred method as stated in the patent specification and example is to precipitate lead sulfate by slowly adding sulfuric acid to a slurry of litharge and silica. The product is filtered, washed, dried and calcined cautiously at not more than 650°C. to avoid sintering and grittiness.

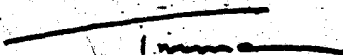
The basic lead silico chromate patent is U. S. 2,668,122, February 2, 1954. The same method is used, namely, adding chromic acid slowly to a litharge-silica slurry and then calcining at 650°C.

A trace of acetic acid is usually added to the slurry.

Both claims of the silico chromate patent, however, are product claims and do not specify the method of manufacture. Three of the four basic lead silicate claims are product claims and the sole process claim is a very general one.

Verifax copies of the two patents referred to are attached.

I assume you are aware of National Lead's "Oncor" T-15 Lead Silico Titanate, a new product which seems to be in the same series.


Truman Kirkpatrick

Mineral Products Research Laboratory

TK:ja

cc: SBC

Attch: 2

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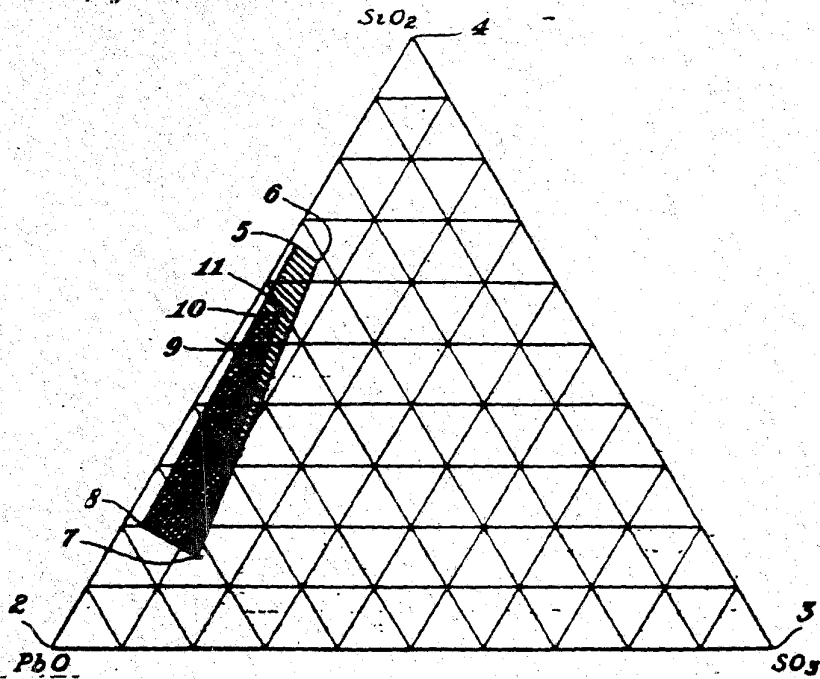
0007-SWP-000004693

July 26, 1949.

F. J. WILLIAMS ET AL.
COMPOSITE LEAD SULFATE-LEAD SILICATE
PIGMENT AND PROCESS OF MANUFACTURE
Filed March 27, 1946

2,477,277

Fig. 1.



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INVENTORS.

BY

Charles F. Koppel
ATTORNEY.

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