

PRELIMINARY DISCLOSURE OF INVENTION

NOTE:

MCS - 1043

Complete this form as soon as one successful experiment illustrative of the invention has been performed. Then process one copy through your group leader and research manager for review, rating, and submission to the Patent Department. Copies will be distributed after disclosure number assignment and patent attorney allocation. Include C.P. numbers for all new chemicals.

1. Statement of Invention: The purpose of this invention is to produce a chlorinated biphenyl dielectric fluid-impregnation having maximum biodegradability. The fluid is made by fractionation of dibiphenyl chlorinated to about 29% removing a forecut to remove biphenyl and taking the mono and di chlorobiphenyls over with a minimum amount of 4,4'-dichlor which is insoluble. This gives a fluid of dielectric constant, dissipation factor and resistivity equal to Aroclor 1242. Stability is also equal to Aroclor 1242. Product is liquid to -25°C. The composition, biodegradability and capacitor life test results are shown on the attached sheets. This fluid may be used with oxide additives or with high dielectric constant additives, such as sulfoxes. See attached sheets.

2. Sources searched and prior art found:

REC'D PATENT DEPT.

JUN 18 1971

3. Notebook page where example is to be found:

By map

4. Inventor(s):

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5. Group Leader:

6. Suggested Rating:

7. Final Rating:

AR

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