Monsanto Company
Organic Chemicals Division

Disclosure No. _____
Date Mar 6, 1972

PRELIMINARY DISCLOSURE OF INVENTION

NOTE:

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: We have found that certain ketones are useful as dielectric impregnants for capacitors. For example, a mixture of 30% cyclohexanone 70% mono isopropyl biphenyl has a dielectric constant similar to that of Aroclor 1242. When used to impregnate paper capacitors, the capacitance was equal to that of Aroclor 1242 impregnated capacitors. When life tested, results were superior in that there were no early failures as there were with the Aroclor 1242 impregnated capacitors. We have also worked with substituted cyclohexanones such as cyclohexyl cyclohexanone. We have also used aromatic ketones such as diphenyl ketone and substituted diphenyl ketones such as ethyl diphenyl ketone.

2. Sources searched and prior art found:

3. Notebook page where example is to be found:

4. Inventor(s): R. H. Mund

5. Group Leader: _____

6. Suggested Rating: A ready — R. H. Mund, Group Leader

7. Final Rating: _____ Manager of Research

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