

Capacitors

1A-19	E
5-70	E
5-71	A-3

DISCLOSURE NO. 3725

CASE NO.

INVENTOR(S): R. H. Munch

TITLE:

DATE: April 9, 1969

SERIAL NUMBER:

FILING DATE:

DIVISION:

SUBJECT MATTER:

This invention relates to the use of tolyl xylyl sulfone as a dielectric fluid for use in polypropylene film capacitors. This compound has a dielectric constant (k_1) of 22 and is preferred for use with polypropylene film in order that the following ideal relationship may be approximated.

$$k_s E_s = k_l E_l$$

where k is the dielectric constant and E is the dielectric strength of the solid and liquid materials. It is contemplated that the tolyl xylyl sulfone might be mixed with aroclor type compounds in order to produce a less viscose mixture.

This dielectric composition specifically disclosed in 2,434,540 + 2,410,714

OFFICE ACTIONS

RESPONSES

DSW 436029

STLCOPCB4089090