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(54) Title: PHASE TRANSFER CATALYZED METHOD FOR PREPARATION OF POLYETHERIMIDES

(57) Abstract: Polyether polymers, such as polyetherimides, are prepared by the reaction of a dihydroxy-substituted aromatic hydro-
carbon alkali metal salt, such as bisphenol A disodium salt, with a bis(N-(chlorophthalimido))aromatic compound, such as 1,3-and/or
1,4-bis[N-(4-chlorophthalimido)]benzene, in a solvent such as o-dichlorobenzene and in the presence of a phase transfer catalyst such
as a hexaalkylguanidinium chloride. Several embodiments may be employed to improve the method. They comprise employing sub-
stantially dry reagents, employing a high solids level in solvent, beginning with an excess of bis(N-(chlorophthalimido))-aromatic
compound and incrementally adding alkali metal salt, employing alkali metal salt of small particle size, and using reagents of high
purity.

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