

ABSTRACT

ALKYLATION OF N'-PHENYL-N-ALKYLPHENYLENEDIAMINES IN IONIC LIQUID, N'-PHENYL-N-ALKYL(ALKYLPHENYLENE)DIAMINES PRODUCED THEREBY, AND LUBRICANT COMPOSITIONS CONTAINING SAME

A process for alkylation of a N'-phenyl-N-alkyl-p-phenylenediamine of specified formula in an ionic liquid unexpectedly produces a N'-phenyl-N-alkyl(alkylphenylene)diamine of a second specified formula. The use of an inorganic liquid permits convenient separation of the alkylated reaction product from the reaction mixture.