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(54) Title: METHOD FOR THE PRODUCTION OF ESTERS AND USES THEREOF

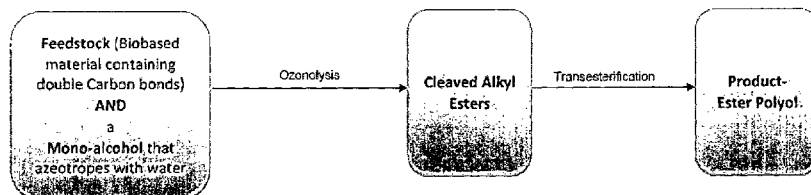


FIG. 1

(57) Abstract: Alkyl esters (butyl, hexyl, or other) of full composition palm fatty acids, palm fatty acid distillates (PFAD), and palm kernel fatty acid distillates (PKFAD) can be used to generate polyurethane and lubricant products. The alkyl esters of the present invention can be produced via ozonolysis. The improved method for producing alkyl esters includes reacting at least one substance having at least one carbon-to-carbon double bond with ozone in the presence of least one monoalcohol that azeotropes with water. In particular, the method may comprise reacting with at least one first mole of ozone and at least one second mole of ozone, and further comprises refluxing before addition of the second mole of ozone.