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(54) Title: PAPER PRODUCTS CONTAINING A VEGETABLE OIL BASED CHEMICAL SOFTENING COMPOSITION		
(57) Abstract		
Fibrous cellulose materials useful in the manufacture of soft, absorbent paper products such as paper towels, facial tissues, and toilet tissue are disclosed. The paper products contain a vegetable oil based quaternary ammonium chemical softening compound. Examples of preferred vegetable oil based quaternary ammonium chemical softening compounds include dioleyldimethyl ammonium chloride (i.e., di(octadec-z-9-enyl)dimethylammonium chloride) (DODMAC) and dierucyldimethyl ammonium chloride (i.e., di(docos-z-13-enyl)dimethylammonium chloride) (DEDMAC). Depending upon the paper product characteristic requirements, the saturation level of the fatty acyl groups of the vegetable oils can be tailored. Variables that need to be adjusted to maximize the benefits of using unsaturated vegetable oil based acyl groups include the Iodine Value (IV) of the fatty acyl groups; and the cis/trans isomer weight ratios in the fatty acyl groups.		