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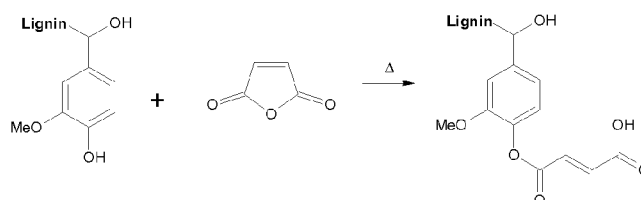


Fig. 1

(57) Abstract: The present disclosure relates to athermally reactive thermoplastic intermediate product, in the form of a shaped body, wherein the intermediate comprises a composition, wherein the composition comprises a purified or optionally unpurified softwood lignin and at least a first additive.