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(54) Title: CURATIVE & METHOD

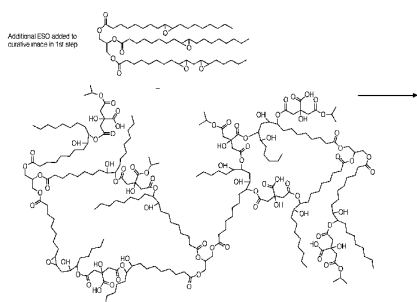


FIG. 13

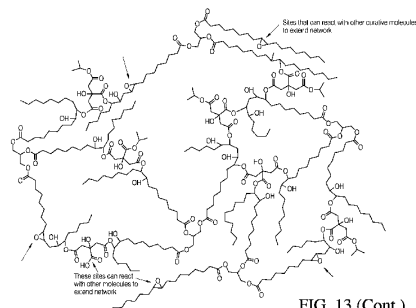


FIG. 13 (Cont.)

(57) Abstract: A thermoset material containing β -hydroxy esters wherein said thermoset material is subject to a mechano-chemical process to regenerate an epoxide and a carboxylic acid functionality. A curative for epoxidized plant-based oils and epoxidized natural rubber is created from the reaction between a naturally occurring polyfunctional acid and an epoxidized plant-based oil is disclosed. The curative may be used to produce porosity-free castable resins and vulcanize rubber formulations based on epoxidized natural rubber. Materials made from disclosed materials may be advantageously used as leather substitutes.

[Continued on next page]

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