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(54) Title of the Invention: Ionic liquid alkylation of isobutane with ethylene to produce alkylate
Abstract Title: Ionic liquid alkylation of isobutane with ethylene to produce alkylate

(57) A process for producing high octane alkylate is provided. The process involves reacting isobutane and ethylene using an ionic liquid catalyst. Reaction conditions can be chosen to assist in attaining, or to optimize, desirable alkylate yields and/or properties.

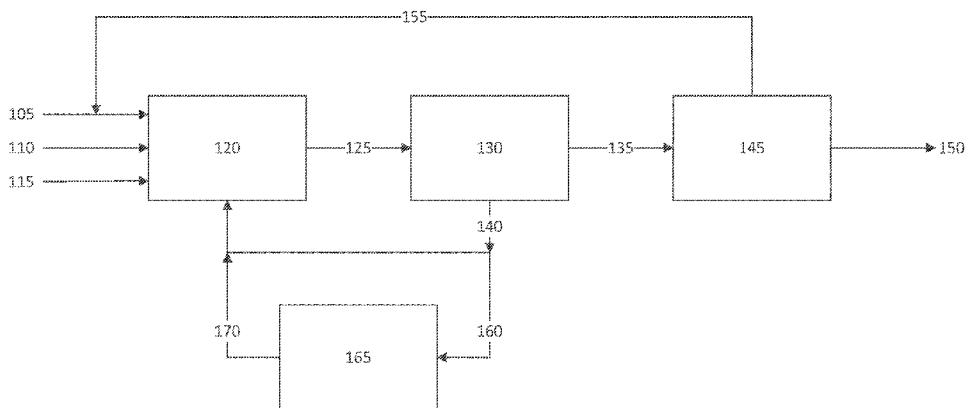


FIG. 1

GB 2627109 A