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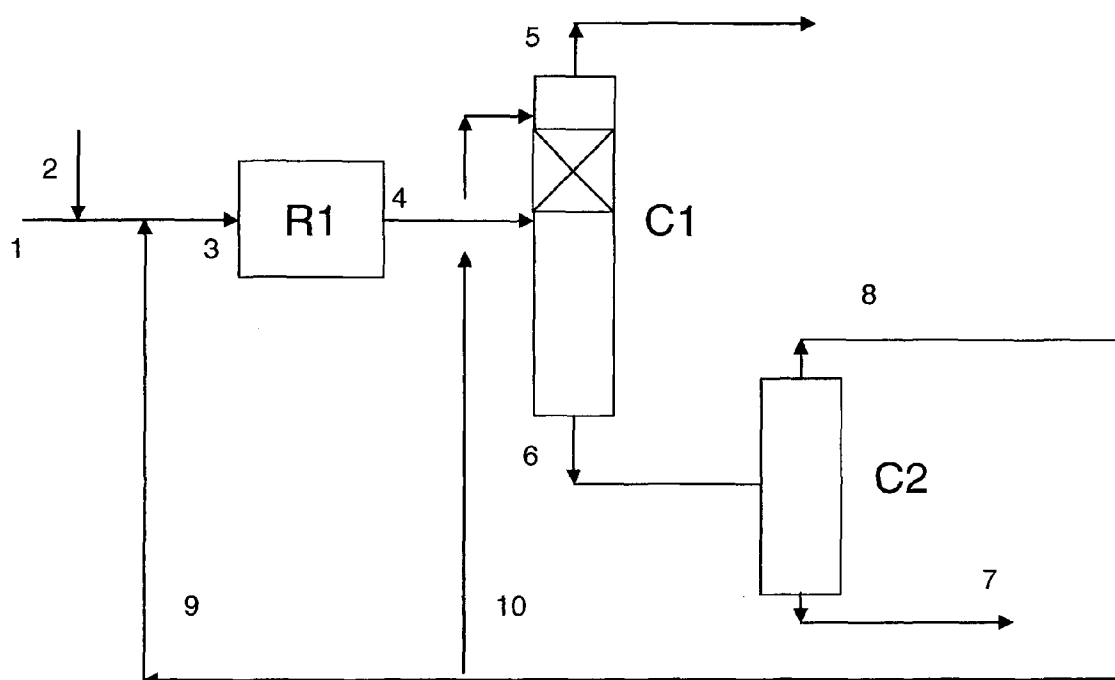
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(54) Title: PROCESS FOR THE PRODUCTION OF HIGH-OCTANE HYDROCARBON COMPOUNDS BY THE SELECTIVE DIMERIZATION OF ISOBUTENE CONTAINED IN A STREAM WHICH ALSO CONTAINS C₅ HYDROCARBONS



(57) Abstract: A process is described for the production of high-octane hydrocarbon compounds by means of the selective dimerization of isobutene, in the presence of C₅ hydrocarbons and oxygenated compounds (branched alcohols or alternatively blends of linear or branched alcohols and alkyl ethers) characterized in that it utilizes a catalytic distillation as second reaction step.



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