United States Patent [19]

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[54] **PRODUCTION OF XYLENES FROM LIGHT ALIPHATIC HYDROCARBONS VIA DEHYDROCYCLODIMERIZATION AND METHYLATION**

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[52] **U.S. Cl.** **585/323**; 585/467

[58] **Field of Search** 585/323, 467

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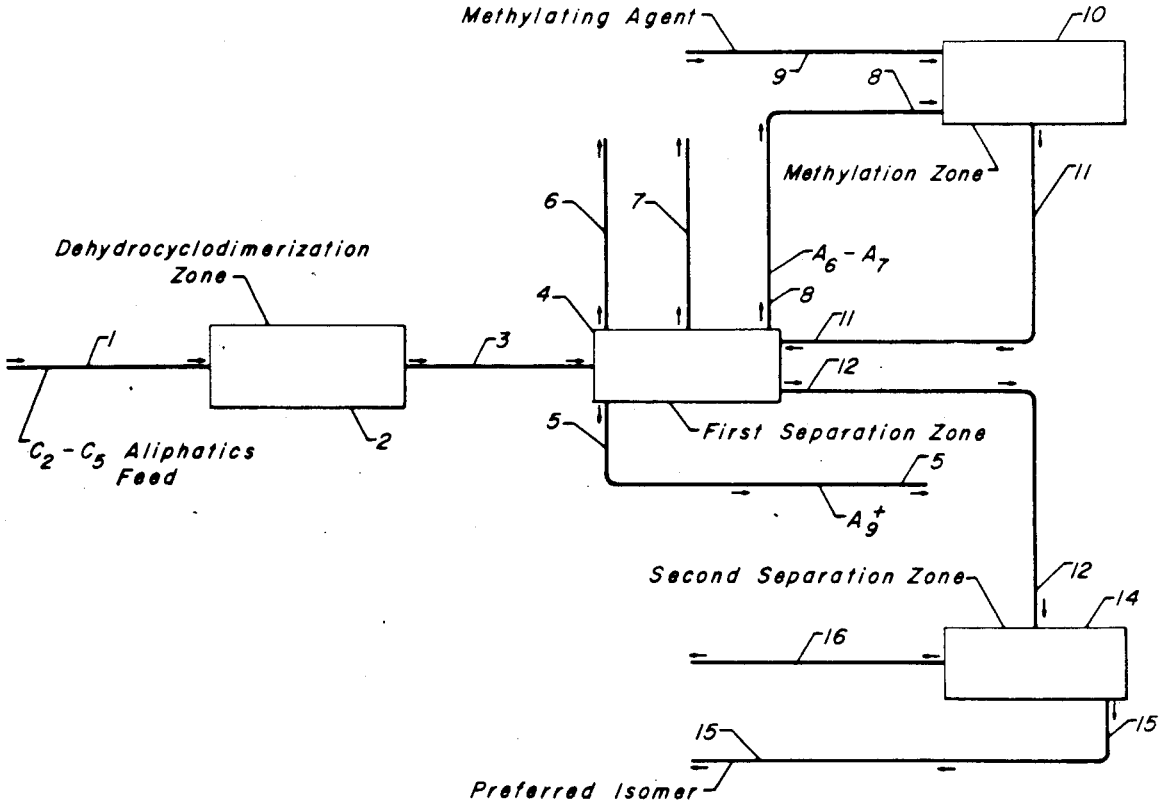
[57] **ABSTRACT**

Aromatic hydrocarbons containing controlled proportions of xylene isomers and benzene may be produced by a process combining dehydrocyclodimerization of C_2-C_5 aliphatic hydrocarbons, separation of benzene and toluene, and selective methylation.

14 Claims, 2 Drawing Sheets