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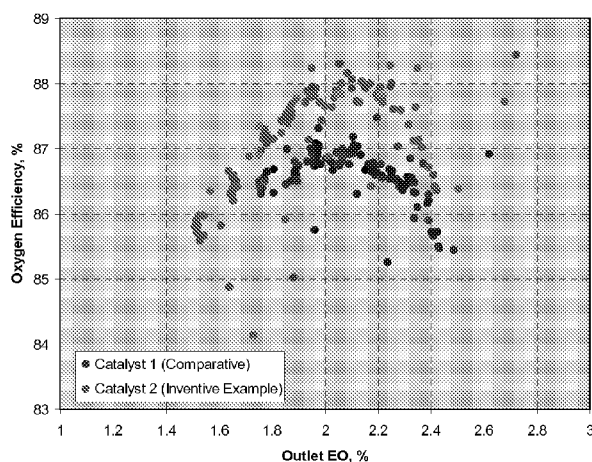
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(54) Title: METHODS FOR PRODUCING EPOXIDATION CATALYSTS AND EPOXIDATION METHODS UTILIZING THEM

FIG. 1



(57) Abstract: A method for producing epoxidation catalysts is provided. The catalyst comprises a support, a catalytic species, manganese and at least one alkali metal and/or promoter. The catalytic species may be silver. The catalyst is prepared by a method wherein at least a portion of the manganese is impregnated in a step separate from the at least one alkali metal and/or promoter. Advantageously, catalysts produced by the present method may exhibit greater efficiencies than catalysts produced by conventional methods. A method for the epoxidation of alkenes using the catalysts so produced is provided as is a method for using the alkylene oxides for the production of 1,2-diols, 1,2-carbonates, 1,2-diol ethers, or alka-nolamines.



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