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(54) Title: METHOD FOR CONVERTING AN OXYGENATE FEED TO AN OLEFIN PRODUCT

(57) Abstract: The invention provides a method of making ethylene, propylene, and butylene by contacting a molecular sieve catalyst with an oxygenate to convert a portion of the oxygenate to a product containing olefin; separating the catalyst from the olefin product and directing a portion of the separated catalyst to a regenerator; contacting, in an alcohol contact zone, the regenerated catalyst with an alcohol selected from methanol, ethanol, 1-propanol, 1-butanol, or mixtures thereof; and directing the catalyst from the alcohol contact zone to an oxygenate conversion zone. The relative amounts of ethylene, propylene, and butylene produced by the process is in part dependant upon the composition of the alcohol used to contact the regenerated catalyst.



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