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(54) Title: PRODUCTION OF ACROLEIN OR ACRYLIC ACID FROM ISO-PROPANOL WITH HIGH YIELD AND LOW COST

(57) Abstract: Acrolein is produced by selectively oxidizing iso-propanol over a first mixed metal oxide catalyst in the presence of oxygen in the vapor phase. The first mixed metal oxide catalyst comprises oxides of molybdenum and bismuth. Acrylic acid is produced by selectively oxidizing the acrolein over a second mixed metal oxide catalyst in the presence of oxygen in the vapor phase. The second mixed metal oxide catalyst has a different composition from the first mixed metal oxide catalyst.



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