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(54) Title: PROCESS FOR PRODUCING LIGHT OLEFINS BY USING A ZSM - 5 - BASED CATALYST

(57) Abstract: The present invention relates to a process for producing lower olefins from an oxygenate feedstream, using a catalyst composition comprising M1 -M2 - P/ZSM- 5, wherein M1 is one or more basic species, M2 is one or more redox elements selected from Groups 6-8 of the Periodic Table of Elements and Sn and P is phosphorus, wherein said basic species is a molecular entity forming a weak Lewis base and/or a weak Bronsted base in the catalyst composition. In addition thereto, the present invention relates to an integrated process for producing lower olefins from a feedstream comprising hydrocarbons.



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