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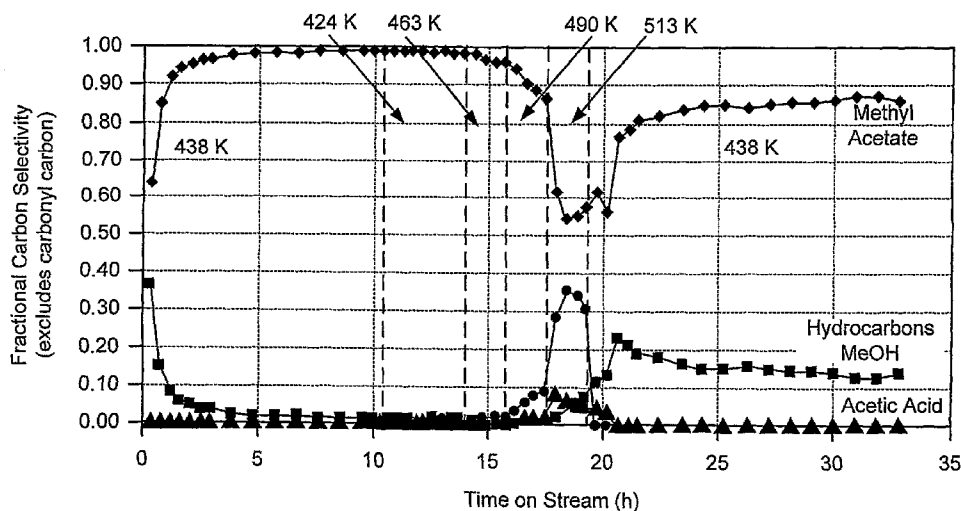
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(54) Title: PROCESS FOR CARBONYLATION OF ALKYL ETHERS



Product selectivities on H-MOR (Si/Al = 10) [930 kPa CO, 20 kPa DME, 50 kPa Ar]

(57) Abstract: A product comprising a lower alkyl ester of a lower aliphatic carboxylic acid is produced by a process comprising reacting a lower alkyl ether with carbon monoxide in the presence of a catalyst comprising mordenite and/or ferrierite, optionally including an additional framework metal such as gallium, boron and/or iron, under substantially anhydrous conditions. More specifically, methyl acetate is selectively produced by reaction of dimethyl ether with carbon monoxide in the presence of a catalyst comprising mordenite or ferrierite, under substantially anhydrous conditions.

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— of inventorship (Rule 4.17(iv))

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