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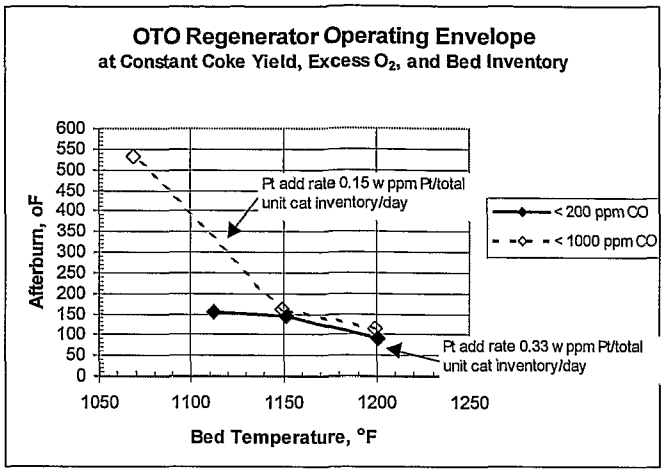
(54) **Title:** METHOD FOR STABILIZING CATALYST ACTIVITY DURING MTO UNIT OPERATION



(57) **Abstract:** A method for maintaining the activity of silicoaluminophosphate (SAPO) molecular sieve catalyst particles during oxygenate to olefin conversion reactions. The SAPO catalyst particles are regenerated under targeted conditions in the presence of platinum to provide controlled, steady state regeneration while minimizing catalyst damage.

WO 2007/021382 A1