

~~10. The method of claim 9 further comprising removing heat from a number of components in the single common product stream with a single cross heat exchanger.~~

~~11~~10. The method of ~~any one of claims 9 and 10~~, where the two or more reactors include a number of reaction tubes including a first side and a second side and a catalyst for catalytic oxidation of olefins on the first side of the number of reaction tubes and reacting the mixture occurs at a rate such that the catalyst in the number of reaction tubes of each of the number of reactors deactivates at a common rate.

~~12. The method of claim 11, where the method includes maintaining a common coolant fluid temperature across the catalyst contained in the number of reaction tubes of each of the number of reactors.~~

~~13. The method of any one of claims 9, 10 and 11, where the method includes maintaining a promoter concentration feed of each of the two or more reactors within a tolerance level.~~

~~14. The method of any one of claims 9, 10 and 11, where the method includes:
preheating a coolant makeup supply with an aftercooler connected to each of the two or more reactors; and
feeding a preheated coolant makeup outlet of each aftercooler to the single coolant drum.~~