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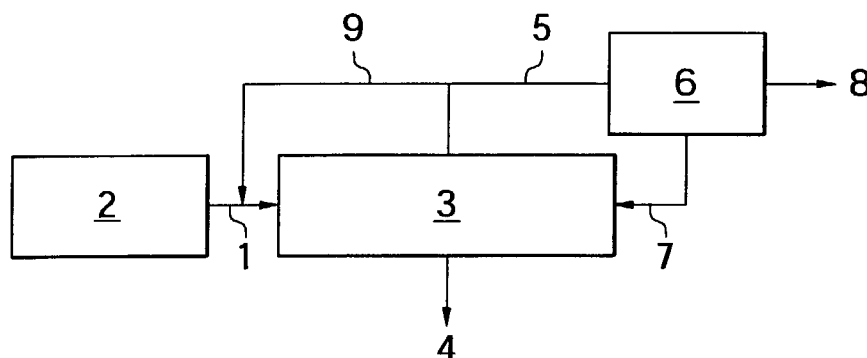
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(54) Title: PRODUCTION OF OLEFIN DERIVATIVES



(57) Abstract: Disclosed is a system of mating an olefin derivative from a dilute olefin feed. Dilute olefin is sent to an olefin reaction unit to form an olefin derivative product. The olefin derivative product is recovered from the reaction unit while a vent stream is also removed. Olefin is separated from the vent stream, and the olefin is sent to the olefin reaction unit for additional processing.