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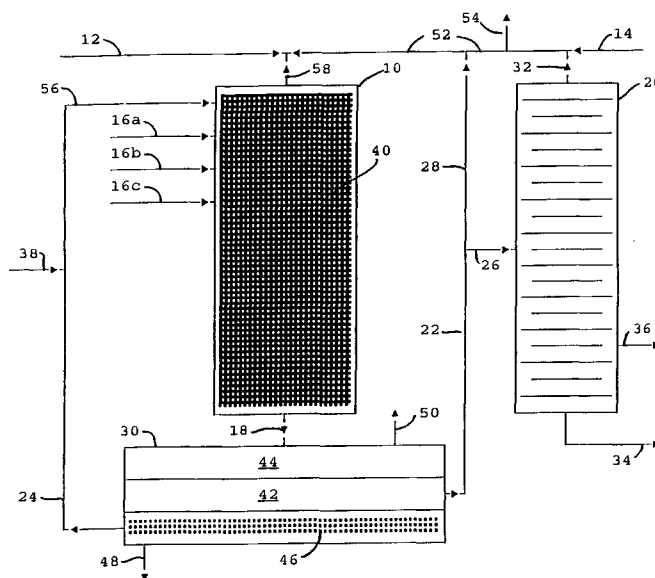
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(54) Title: PARAFFIN ALKYLATION



(57) Abstract: A process for the alkylation of alkane with olefin or olefin precursor such as an oligomer of tertiary olefin comprising contacting a liquid system comprising acid catalyst (56), isoparaffin (14, 52), and olefin (12) in a concurrent downflow into contact in a reaction zone (10) with a dispenser mesh (4) under condition of temperature and pressure to react said isoparaffin and said olefin to produce an alkylate product is disclosed. Unexpected, the olefin oligomers have been found to function as olefin precursors and not as olefins in the reaction.

WO 2004/016573 A1