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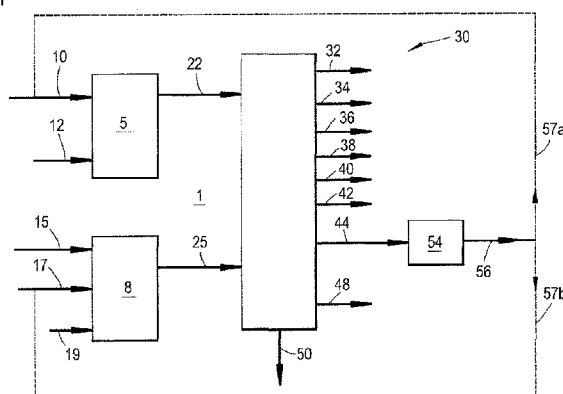
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(54) Title: PROCESS AND INTEGRATED SYSTEM FOR THE PREPARATION OF A LOWER OLEFIN PRODUCT

Fig.1



(57) Abstract: Process for the preparation of an olefin product comprising ethylene and/or propylene, which process comprises the steps of a) cracking a paraffin feedstock comprising C2 - C5 paraffins under cracking conditions in a cracking zone to obtain a cracker effluent comprising olefins; b) converting an oxygenate feedstock in an oxygenate-to-olefins conversion system, comprising a reaction zone in which an oxygenate feedstock is contacted with an oxygenate conversion catalyst under oxygenate conversion conditions, to obtain a conversion effluent comprising ethylene and/or propylene; c) combining at least part of the cracker effluent and at least part of the conversion effluent to obtain a combined effluent, and separating an olefin product stream comprising ethylene and/or propylene from the combined effluent, wherein the cracker effluent and/or the conversion effluent comprises a C4 portion comprising unsaturates, and wherein the process further comprises at least partially hydrogenating at least part of the C4 portion, to obtain an at least partially hydrogenated C4 feedstock; and recycling at least part of the at least partially hydrogenated C4 feedstock as recycle feedstock to step a) and/or step b), and an integrated system for performing the process.