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" IMPROVED PROCESS FOR SATURATED OLIGOMER PRODUCTION "

ABSTRACT

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A process for the production of saturated oligomers by the oligomerization of light olefins to heavier olefins and the saturation of the heavy olefins is improved by the recycle of the heavy paraffins to the oligomerization zone. The recycle of the heavy paraffins improves the selectivity of the oligomerization for C₈ paraffin products and reduces catalyst fouling. The reduced catalyst
10 fouling can be used to operate the oligomerization zone at lower pressure and facilitate its integration with a dehydrogenation zone for the production of the light olefin stream.

(Figure 1)