

OLIGOMERIZATION PROCESS IMPLEMENTING THE RECYCLING OF THE GAS HEADSPACE**ABSTRACT**

The present invention relates to an oligomerization process implemented in a sequence of at least two gas/liquid reactors, placed in series, comprising at least one gas headspace recycle loop. The process
5 more particularly relates to the oligomerization of ethylene to linear alpha-olefins such as 1-butene, 1-hexene, 1-octene or a mixture of linear alpha-olefins.

[No figure]