

Title (en)  
PROCESSES FOR PREVENTING GENERATION OF HYDROGEN HALIDES IN AN OLIGOMERIZATION PRODUCT RECOVERY SYSTEM

Title (de)  
VERFAHREN ZUR VERMEIDUNG VON HALOGENWASSERSTOFF-BILDUNG IN EINEM SYSTEM ZUR RÜCKGEWINNUNG VON OLIGOMERISATIONSPRODUKTEN

Title (fr)  
PROCEDES PERMETTANT D'EVITER LA GENERATION D'HALOGENURES D'HYDROGENE DANS UN SYSTEME DE RECUPERATION DE PRODUITS D'OLIGOMERISATION

Publication  
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Application  
**EP 00989508 A 20001227**

Priority  
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Abstract (en)  
[origin: WO0147839A1] The invention is an oligomerization process. A catalyst, a lower olefin, and a process medium are provided. The lower olefin is reacted in the presence of the catalyst to produce a product stream comprising a higher olefin product and a catalyst residue dispersed in the process medium. The resulting product stream is treated with a quenching material. The quenching material can be an aliphatic primary amine, an aliphatic secondary amine, an alcohol, or a combination of those materials. Amine quenching materials have been found to generate few or no hydrogen halides when used to quench oligomerization catalysts. Alcohol quenching materials can generate hydrogen halides in use. This problem can be alleviated by treating the product stream with a stabilizing material that forms a stable hydrogen halide salt. Exemplary stabilizing materials include aliphatic amines, aromatic amines, and metal salts of amides, butoxides, or carboxylic acids.

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Citation (search report)  
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• See references of WO 0147839A1

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