

Title (en)
RECYCLING OF POLYACETAL FOR THE PRODUCTION OF POLYOXYMETHYLENE DIALKYL ETHERS

Title (de)
POLYACETAL-RECYCLING ZUR HERSTELLUNG VON POLYOXYMETHYLENDIALKYLETHERN

Title (fr)
RECYCLAGE DE POLYACÉTAL POUR LA PRODUCTION DE POLYOXYMÉTHYLÈNE DIALKYLÉTHERS

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Application
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Abstract (en)
[origin: WO2021204789A2] The present invention relates to a process for recycling polyacetal having from 8 to 100 000 carbon atoms for obtaining a produced polyoxymethylene dialkyl ether of formula $R-(OCH_2)_n-OR'$, in which R and R' independently represent a methyl group or an ethyl group and n is an integer greater than or equal to 1, the process comprising a step of reacting an acid catalyst with a mixture comprising a polyacetal having from 8 to 100 000 carbon atoms, a reactive polyoxymethylene dialkyl ether of formula $R-(OCH_2)_k-OR'$ in which k is an integer greater than or equal to 1, and optionally a solvent.

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