

Title (en)  
PRODUCING ALKYLENE GLYCOLS IN MICROCHANNEL APPARATUS

Title (de)  
HERSTELLUNG VON ALKYLENGLYKOL IN EINEM MIKROKANALGERÄT

Title (fr)  
PROCEDE DE FABRICATION D'ALKYLENE GLYCOLS DANS UN DISPOSITIF A MICROCANAU

Publication  
**EP 1973645 A1 20081001 (EN)**

Application  
**EP 06830757 A 20061220**

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Abstract (en)  
[origin: WO2007071737A1] The invention provides a process for the mixing of an oxidant having explosive potential with a hydrocarbon material, which comprises conveying a first stream comprising the hydrocarbon material and a second stream comprising the oxidant into a microchannel apparatus, allowing mixing to occur, and withdrawing the mixture. The microchannels have an internal height and/or width in the range of 0,5-1,5 mm. The process is useful for the preparation of ethylene oxide, where the microchannel apparatus is located in the recycle gas loop.

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