

Title (en)

MICROCHANNEL APPARATUS FOR REMOVAL OF COMBUSTIBLE , VOLATILE CONTAMINANTS

Title (de)

MIKROKANALVORRICHTUNG ZUR ENTFERNUNG VON BRENNBAREN, FLÜCHTIGEN VERUNREINIGUNGEN

Title (fr)

APPAREIL A MICROCANAUX UTILISES POUR ELIMINER DES CONTAMINANTS COMBUSTIBLES VOLATILES

Publication

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Application

EP 06841528 A 20061220

Priority

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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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Citation (search report)

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