

Title (en)
PROCESS FOR THE OXIDATION OF OLEFINS TO OLEFIN OXIDES

Title (de)
VERFAHREN ZUR OXIDATION VON OLEFINEN ZU OLEFINOXIDEN

Title (fr)
PROCEDE POUR L'OXYDATION D'OLEFINES EN OXYDES D'OLEFINES

Publication
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Application
EP 98965400 A 19981217

Priority

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- US 9826817 W 19981217

Abstract (en)
[origin: GB2332430A] A liquid phase process for preparing an olefin oxide from an olefin comprising the steps of a) contacting the olefin with oxygen or an oxygen-containing gas in a solvent having a boiling point above 130#, b) passing the liquid product mixture comprising the olefin oxide, non-converted olefin, solvent and by-products into a first separator wherein a lower pressure is maintained than in the reaction step a) and the product mixture is divided into b1) a gaseous stream (12) containing olefin, carbon dioxide and other volatile products and b2) a liquid stream (13) containing olefin oxide, solvent, olefin, carbon dioxide and other by-products; c) passing the liquid stream (13) into a second separator wherein a lower pressure is maintained than in the first separator in step b) and the stream is divided into c1) a gaseous stream (2) containing olefin, carbon dioxide and other products and c2) a liquid stream (3) containing olefin oxide, solvent, olefin and oxygenated by-products.

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