

Title (en)
PURE ETHYLENE OXIDE DISTILLATION PROCESS

Title (de)
VERFAHREN ZUR ETHYLENOXID-REINDESTILLATION

Title (fr)
PROCEDE DE DISTILLATION D'OXYDE D'ETHYLENE PUR

Publication
EP 0963373 A1 19991215 (DE)

Application
EP 98908014 A 19980129

Priority

- DE 19703627 A 19970131
- EP 9800480 W 19980129

Abstract (en)
[origin: US6833057B1] In a process for purification of ethylene oxide by distillation an aqueous mixture comprising ethylene oxide, formaldehyde and at least 5% by weight of water is introduced via a feed into a distillation apparatus comprising at least one distillation column, the mixture being introduced at a height above the bottom of at least 8 theoretical stages, the ethylene oxide is taken off at the top and in the bottom phase a mixture is obtained which contains less than 5% by weight of ethylene oxide.

IPC 1-7
C07D 301/32; B01D 3/32

IPC 8 full level
C07D 301/32 (2006.01); **C07D 303/04** (2006.01)

CPC (source: EP KR US)
C07D 301/32 (2013.01 - EP KR US); **Y10S 203/20** (2013.01 - EP US)

Citation (search report)
See references of WO 9833785A1

Designated contracting state (EPC)
BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)
US 6833057 B1 20041221; AR 010400 A1 20000607; CA 2278574 A1 19980806; CN 1251583 A 20000426; CN 1290837 C 20061220; DE 19703627 A1 19980806; EP 0963373 A1 19991215; ID 22856 A 19991209; JP 2001509171 A 20010710; KR 20000070629 A 20001125; MY 132756 A 20071031; SA 98180836 B1 20060422; WO 9833785 A1 19980806

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US 34192199 A 19990721; AR P980100353 A 19980127; CA 2278574 A 19980129; CN 98803873 A 19980129; DE 19703627 A 19970131; EP 9800480 W 19980129; EP 98908014 A 19980129; ID 990760 A 19980129; JP 53253098 A 19980129; KR 19997006877 A 19990730; MY PI9800370 A 19980126; SA 98180836 A 19980210