

Title (en)  
PROCESS FOR THE SELECTIVE SEPARATION OF MORPHOLINE

Title (de)  
VERFAHREN ZUR SELEKTIVEN ABTRENNUNG VON MORPHOLIN

Title (fr)  
PROCEDE POUR LA SEPARATION SELECTIVE DE MORPHOLINE

Publication  
**EP 0783497 A1 19970716 (DE)**

Application  
**EP 96926960 A 19960816**

Priority  
• AT 9600146 W 19960816  
• AT 140395 A 19950818

Abstract (en)  
[origin: WO9707108A1] The invention relates to a process for the selective separation of morpholine from an aqueous solution containing morpholine, N-methyl morpholine and N-methyl morpholine-N-oxide, in which (A) a quantity of the aqueous solution is taken through a cation exchanger capable of adsorbing morpholine until said exchanger can carry substantially no more morpholine and an eluate substantially free from morpholine but containing N-methyl morpholine and N-methyl morpholine-N-oxide is obtained, and (B) the cation exchanger charged with morpholine is regenerated and re-used in step (A).

IPC 1-7  
**C07D 295/02**

IPC 8 full level  
**B01J 39/04** (2006.01); **C07D 295/02** (2006.01); **C07D 295/023** (2006.01); **C07D 295/08** (2006.01); **C07D 295/28** (2006.01); **D01F 13/02** (2006.01)

CPC (source: EP)  
**C07D 295/023** (2013.01); **C07D 295/28** (2013.01)

Citation (search report)  
See references of WO 9707108A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9707108 A1 19970227**; AT 403297 B 19971229; AT A140395 A 19970515; AU 6695496 A 19970312; AU 700207 B2 19981224; BR 9606585 A 19971028; CA 2202153 A1 19970227; CN 1071750 C 20010926; CN 1165514 A 19971119; EP 0783497 A1 19970716; JP H10508318 A 19980818; NO 310572 B1 20010723; NO 971753 D0 19970417; NO 971753 L 19970417

DOCDB simple family (application)  
**AT 9600146 W 19960816**; AT 140395 A 19950818; AU 6695496 A 19960816; BR 9606585 A 19960816; CA 2202153 A 19960816; CN 96191128 A 19960816; EP 96926960 A 19960816; JP 50873397 A 19960816; NO 971753 A 19970417