

Title (en)  
THERMALLY-MANAGED SEPARATION AND DEWATERING PROCESSES FOR RECOVERING ACID PRODUCTS

Title (de)  
THERMISCH UNTERSTÜTZTE TRENN- UND ENTWÄSSERUNGSVERFAHREN ZUR WIEDERGEGWINNUNG VON SÄUREPRODUKTEN

Title (fr)  
PROCEDES DE SEPARATION ET DE DESHYDRATATION THERMIQUEMENT ASSISTES POUR LA RECUPERATION DE PRODUITS ACIDES

Publication  
**EP 0871527 A4 20000308 (EN)**

Application  
**EP 96939445 A 19961010**

Priority

- US 9616228 W 19961010
- US 499995 P 19951010
- US 1577796 P 19960416
- US 69953296 A 19960819

Abstract (en)  
[origin: WO9713569A1] Described are preferred processes separating desired chemical products from other compounds in solution utilizing thermally-managed chromatography over solid adsorbents. The preferred processes involve chromatographic principles which are assisted by varying the temperature of operation in separation and elution phases. Also described are processes for treating aqueous acids to dewater and recover the acids in an organic solvent such as an alcohol.

IPC 1-7  
**B01D 15/08**; **C07C 51/47**; **C07C 37/82**; **C07B 63/00**

IPC 8 full level  
**B01D 15/00** (2006.01); **B01D 15/08** (2006.01); **C07B 63/00** (2006.01); **C07C 37/82** (2006.01); **C07C 39/04** (2006.01); **C07C 51/47** (2006.01); **C07C 53/08** (2006.01); **C07C 59/08** (2006.01); **C07C 59/265** (2006.01); **C07D 213/79** (2006.01); **C07D 307/33** (2006.01); **G01N 30/30** (2006.01)

CPC (source: EP KR)  
**B01D 15/08** (2013.01 - KR); **B01D 15/325** (2013.01 - EP); **B01D 15/327** (2013.01 - EP); **C07B 63/00** (2013.01 - KR); **C07C 37/82** (2013.01 - KR); **C07C 51/47** (2013.01 - EP KR); **B01D 2215/022** (2013.01 - EP); **G01N 30/30** (2013.01 - EP)

Citation (search report)

- [X] WO 9521810 A1 19950817 - REILLY IND INC [US], et al
- [X] US 4874524 A 19891017 - LIAPIS ATHANASIOS I [US], et al
- See references of WO 9713569A1

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

DOCDB simple family (publication)  
**WO 9713569 A1 19970417**; AU 7662296 A 19970430; BR 9610897 A 20010717; CA 2234070 A1 19970417; CN 1104924 C 20030409; CN 1203535 A 19981230; EP 0871527 A1 19981021; EP 0871527 A4 20000308; JP 2000500430 A 20000118; KR 19990064154 A 19990726; MX 9802819 A 19980930

DOCDB simple family (application)  
**US 9616228 W 19961010**; AU 7662296 A 19961010; BR 9610897 A 19961010; CA 2234070 A 19961010; CN 96198644 A 19961010; EP 96939445 A 19961010; JP 51519297 A 19961010; KR 19980702635 A 19980410; MX 9802819 A 19980408