

Title (en)  
COMPOSITIONS AND PROCESS FOR REMOVING BILE SALTS

Title (de)  
PRÄPARATE UND VERFAHREN ZUR ENTFERNUNG VON GALLENSALZEN

Title (fr)  
COMPOSITION ET PROCEDE DESTINES A ELIMINER LES SELS BILIAIRES

Publication  
**EP 0706399 A4 19980812 (EN)**

Application  
**EP 94919283 A 19940527**

Priority

- US 9406042 W 19940527
- US 7156493 A 19930602

Abstract (en)  
[origin: WO9427620A1] A method for removing bile salts from a patient by ion exchange by administering to the patient a therapeutically effective amount of one or more highly crosslinked polymers characterized by a repeat unit having formula (1) or copolymer thereof, where n is an integer; R<1> is H or a C1-C8 alkyl group; M is -C-Z-R<2> or -Z-R<2>; Z is O, NR<3>, S, or (CH2)m; m = 0-10; R<3> is H or a C1-C8 alkyl group; and R<2> is (a) or (b) where p = 0-10, and each R<4>, R<5>, R<6>, independently, is H, a C1-C8 alkyl group, or an aryl group, the polymers being non-toxic and stable once ingested.

IPC 1-7  
**A61K 31/74**; **A61K 9/00**; **A61K 9/48**; **A61K 9/54**; **A61K 9/52**; **A61K 9/20**; **A61K 9/28**; **A61K 9/14**

IPC 8 full level  
**A61K 9/52** (2006.01); **A61K 9/54** (2006.01); **A61K 31/785** (2006.01); **A61K 31/787** (2006.01); **A61K 31/795** (2006.01); **A61P 3/06** (2006.01); **C08F 8/00** (2006.01); **C08F 220/34** (2006.01); **C08F 220/60** (2006.01)

CPC (source: EP)  
**A61K 31/785** (2013.01); **A61K 31/787** (2013.01); **A61K 31/795** (2013.01); **A61P 3/06** (2017.12); **C08F 8/00** (2013.01); **C08F 220/34** (2013.01); **C08F 220/60** (2013.01)

Citation (search report)

- [X] US 3308020 A 19670307 - WOLF FRANK J, et al
- [A] EP 0373852 A2 19900620 - SMITH KLINE FRENCH LAB [GB]
- [X] CHEMICAL ABSTRACTS, vol. 114, no. 12, 25 March 1991, Columbus, Ohio, US; abstract no. 109016, XP002065385 & ES 2006782 A6 19890516 - GARCIA ALONSO JULIO [ES], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 274 (C - 1064) 27 May 1993 (1993-05-27)
- See references of WO 9427620A1

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

DOCDB simple family (publication)  
**WO 9427620 A1 19941208**; AU 7047994 A 19941220; EP 0706399 A1 19960417; EP 0706399 A4 19980812; JP H09500368 A 19970114

DOCDB simple family (application)  
**US 9406042 W 19940527**; AU 7047994 A 19940527; EP 94919283 A 19940527; JP 50099994 A 19940527