

Title (en)  
CO-PROCESSED COMPOSITIONS OF ACIDS AND WATER SOLUBLE CRYSTALLINE COMPOUNDS AND RELATED PRODUCTS AND METHODS

Title (de)  
GLEICHZEITIG HERGESTELLTE ZUSAMMENSETZUNGEN VON SAEUREN UND WASSERLOESLICHEN KRISTALLINEN VERBINDUNGEN SOWIE VERWANDTE PRODUKTE UND VERFAHREN

Title (fr)  
COMPOSITIONS COTRAITEES CONTENANT DES ACIDES ET DES COMPOSES CRISTALLINS SOLUBLES DANS L'EAU, ET PRODUITS ET PROCEDES ASSOCIES

Publication  
**EP 1079701 A4 20020731 (EN)**

Application  
**EP 99924359 A 19990519**

Priority  
• US 9911072 W 19990519  
• US 8097098 A 19980519

Abstract (en)  
[origin: WO9959427A1] The invention includes co-processed compositions containing at least one acidulent and at least one water-soluble crystalline compound for use in shelf-stable low-moisture comestible, confectionery, dentifrice, or pharmaceutical products containing acid-sensitive additives. The invention also includes methods of minimizing the degradation of an acid-sensitive additive by at least one acidulent in low-moisture comestible, confectionery, dentifrice, or pharmaceutical products that contain at least one acidulent by using the co-processed compositions of the present invention. The invention also includes methods of increasing salivation and methods of removing or preventing the deposition of plaque on teeth using the co-processed compositions of the present invention. Examples of low-moisture comestible, confectionery, pharmaceutical or dentifrice products in which the co-processed compositions may be used are chewing gum, bubble gum, instant beverages, frozen desserts, toothpaste and dental floss.

IPC 1-7  
**A23G 3/00; A23G 3/30; A61K 9/16**

IPC 8 full level  
**A23G 3/00** (2006.01); **A23G 3/36** (2006.01); **A23G 3/42** (2006.01); **A23G 4/00** (2006.01); **A23G 4/06** (2006.01); **A23G 4/10** (2006.01); **A23G 4/20** (2006.01); **A23L 3/3481** (2006.01); **A23L 3/3508** (2006.01); **A23L 3/358** (2006.01); **A61K 8/36** (2006.01); **A61K 8/60** (2006.01); **A61K 8/73** (2006.01); **A61Q 11/00** (2006.01)

CPC (source: EP)  
**A23G 3/36** (2013.01); **A23G 3/362** (2013.01); **A23G 3/42** (2013.01); **A23G 4/06** (2013.01); **A23G 4/10** (2013.01); **A23G 4/20** (2013.01); **A23L 3/3481** (2013.01); **A23L 3/3508** (2013.01); **A23L 3/358** (2013.01); **A61K 8/362** (2013.01); **A61K 8/365** (2013.01); **A61K 8/60** (2013.01); **A61K 8/73** (2013.01); **A61Q 11/00** (2013.01)

Citation (search report)  
• [X] EP 0284747 A2 19881005 - TAKEDA CHEMICAL INDUSTRIES LTD [JP]  
• [X] US 3151028 A 19640929 - IAN HAY DONALD, et al  
• [X] GB 772315 A 19570410 - E & O COLLETT & CO AS  
• [X] EP 0472500 A1 19920226 - WARNER LAMBERT CO [US]  
• [A] WO 9517829 A1 19950706 - WRIGLEY W M JUN CO [US]  
• [A] WO 9530338 A1 19951116 - WRIGLEY W M JUN CO [US]  
• [A] US 3778517 A 19731211 - NEELY J  
• [A] EP 0458750 A1 19911127 - WARNER LAMBERT CO [US]  
• See references of WO 9959427A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 9959427 A1 19991125**; AU 4087999 A 19991206; CA 2332458 A1 19991125; EP 1079701 A1 20010307; EP 1079701 A4 20020731

DOCDB simple family (application)  
**US 9911072 W 19990519**; AU 4087999 A 19990519; CA 2332458 A 19990519; EP 99924359 A 19990519