

Title (en)  
USE OF POLYMERS COMPRISING CARBOXYL GROUPS IN COMBINATION WITH BIVALENT CATIONS FOR CREATING A PROTECTIVE LAYER

Title (de)  
VERWENDUNG VON POLYMEREN MIT CARBOXYLGRUPPEN IN KOMBINATION MIT ZWEIWERTIGEN KATIONEN ZUR AUSBILDUNG EINER SCHUTZSCHICHT

Title (fr)  
UTILISATION DE POLYMÈRES À GROUPES CARBOXYLE, EN COMBINAISON AVEC DES CATIONS BIVALENTS POUR LA FORMATION D'UNE COUCHE PROTECTRICE

Publication  
**EP 2408895 B1 20160309 (DE)**

Application  
**EP 10707294 A 20100309**

Priority  
• EP 2010052967 W 20100309  
• DE 102009001693 A 20090320  
• DE 102009001803 A 20090324

Abstract (en)  
[origin: WO2010105943A1] The present invention relates to the use of polymers comprising carboxyl groups in combination with bivalent cations for producing a protective layer on a textile sheet material and to textile treatment agents, in particular washing and cleaning agents containing said polymers in a suitable form of administration, in order to enable the formation of a protective layer on textile sheet materials.

IPC 8 full level  
**C11D 3/22** (2006.01); **C11D 3/00** (2006.01); **C11D 3/02** (2006.01); **C11D 11/00** (2006.01); **D06M 15/03** (2006.01); **D06M 15/09** (2006.01); **D06M 15/263** (2006.01)

CPC (source: EP US)  
**C11D 3/001** (2013.01 - EP US); **C11D 3/0036** (2013.01 - EP US); **C11D 3/046** (2013.01 - EP US); **C11D 3/222** (2013.01 - EP US); **C11D 3/223** (2013.01 - EP US); **C11D 3/225** (2013.01 - EP US); **C11D 3/3757** (2013.01 - EP US); **D06M 11/00** (2013.01 - EP US); **D06M 15/03** (2013.01 - EP US); **D06M 15/09** (2013.01 - EP US); **D06M 15/13** (2013.01 - EP US); **D06M 15/263** (2013.01 - EP US); **C11D 2111/44** (2024.01 - EP US); **D06M 2200/50** (2013.01 - EP US)

Citation (examination)  
ANONYMOUS: "How to Use < Alginate < KIMICA corporation | manufacturer and world-wide supplier of "Alginate / Alginic acid" Alginic Acid, Propylene Glycol Alginate, Calcium Alginate", KIMICA, 1 January 2009 (2009-01-01), XP055161766, Retrieved from the Internet <URL:http://www.kimica-alginate.com/alginate/how\_to\_use.html> [retrieved on 20150113]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010105943 A1 20100923**; EP 2408895 A1 20120125; EP 2408895 B1 20160309; ES 2568457 T3 20160429; US 2012025125 A1 20120202; US 8206462 B2 20120626

DOCDB simple family (application)  
**EP 2010052967 W 20100309**; EP 10707294 A 20100309; ES 10707294 T 20100309; US 201113235626 A 20110919