

Title (en)
NOVEL ELECTROLYTE-RESISTANT CATIONIC THICKENERS USABLE OVER A WIDE PH RANGE, METHOD FOR PREPARING SAME, AND COMPOSITION CONTAINING SAME

Title (de)
NEUE, ÜBER EINEN BREITEN PH-BEREICH VERWENDBARE ELEKTROLYTRESISTENTE KATIONISCHE VERDICKER, VERFAHREN ZU IHRER HERSTELLUNG UND ZUSAMMENSETZUNG DAMIT

Title (fr)
NOUVEAUX ÉPAISSISSANTS CATIONIQUES, RÉSISTANTS AUX ÉLECTROLYTES ET UTILISABLES SUR UNE LARGE GAMME DE PH PROCÉDÉ POUR LEUR PRÉPARATION ET COMPOSITION EN CONTENANT

Publication
EP 2645989 A1 20131009 (FR)

Application
EP 11799790 A 20111128

Priority
• FR 1060038 A 20101202
• FR 2011052789 W 20111128

Abstract (en)
[origin: WO2012072931A1] The invention relates to positive latex including a straight, branched, or cross-linked cationic polyelectrolyte from the polymerization, in molar %, of: a molar ratio of greater than or equal to 70% and less than or equal to 99% of monomer units from at least one cationic monomer; b) a non-zero molar ratio of less than 20% of monomer units from N-(2-hydroxyethyl)acrylamide; c) a non-zero molar ratio of less than or equal to 15% of monomer units from at least one monomer of formula (I): $A-C(=O)-O-[(CH_2-CH(R_1)-O)]_n-R$, where n is, independently, a number between 1 and 50, A is an unsaturated aliphatic radical including 2 to 6 carbon atoms, R₁ is a hydrogen atom, a methyl radical, or an ethyl radical, and R is a straight or branched, saturated or unsaturated aliphatic radical including 8 to 30 carbon atoms; d) optionally, a molar ratio of greater than 0% and less than or equal to 10% of monomer units from at least one neutral monomer other than said N-(2-hydroxyethyl)acrylamide, it being assumed that said molar ratio is strictly less than that of the monomer units from the N-(2-hydroxyethyl)acrylamide, and optionally, a molar ratio of monomer units from at least one neutral monomer other than said N-(2-hydroxyethyl)acrylamide; and e) optionally, a molar ratio of greater than 0% and less than or equal to 1% of a diethylene or polyethylene cross-linking monomer. The invention also relates to a method for the preparation and use of said positive latex as a thickener for cosmetic or pharmaceutical compositions.

IPC 8 full level
A61K 8/81 (2006.01); **A61K 47/32** (2006.01); **A61Q 1/00** (2006.01); **A61Q 5/00** (2006.01); **A61Q 17/04** (2006.01); **A61Q 19/00** (2006.01); **C08F 2/32** (2006.01); **C08J 3/12** (2006.01); **C08L 33/14** (2006.01); **C08L 33/26** (2006.01); **C09K 23/52** (2022.01)

CPC (source: EP KR US)
A61K 8/064 (2013.01 - EP US); **A61K 8/81** (2013.01 - KR); **A61K 8/8152** (2013.01 - US); **A61K 8/8158** (2013.01 - US); **A61K 8/817** (2013.01 - EP US); **A61K 47/32** (2013.01 - KR US); **A61Q 1/00** (2013.01 - KR); **A61Q 5/00** (2013.01 - EP KR US); **A61Q 5/002** (2013.01 - EP US); **A61Q 17/04** (2013.01 - KR); **A61Q 19/00** (2013.01 - KR); **C08F 2/32** (2013.01 - EP KR US); **C08F 20/56** (2013.01 - KR); **C08J 3/12** (2013.01 - KR); **C08L 33/26** (2013.01 - KR); **A61K 2800/48** (2013.01 - EP US); **A61K 2800/5426** (2013.01 - EP US); **A61Q 5/02** (2013.01 - EP US); **A61Q 5/065** (2013.01 - EP US); **A61Q 19/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2012072931A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012072931 A1 20120607; CN 103228257 A 20130731; CN 103228257 B 20150916; EP 2645989 A1 20131009; FR 2968308 A1 20120608; FR 2968308 B1 20130104; JP 2014500884 A 20140116; KR 20140009214 A 20140122; US 2013197101 A1 20130801

DOCDB simple family (application)
FR 2011052789 W 20111128; CN 201180057275 A 20111128; EP 11799790 A 20111128; FR 1060038 A 20101202; JP 2013541403 A 20111128; KR 20137013460 A 20111128; US 201113878598 A 20111128