

Title (en)
THICKENING AGENT

Title (de)
VERDICKUNGSMITTEL

Title (fr)
EPAISSISSANT

Publication
EP 1414881 A2 20040506 (DE)

Application
EP 01985819 A 20011120

Priority
• DE 10059238 A 20001129
• EP 0113388 W 20011120

Abstract (en)
[origin: WO0244236A2] The invention relates to novel thickening agents of formula (I), $R_{<1>}O(CH_2CH_2O)_{n1}CONH-X-NHCOO(CH_2CH_2O)_mCONH-Y-NH-OC(OCH_2CH_2)N_2OR_{<2>}$ (I), wherein $R_{<1>}$ and $R_{<2>}$ independently represent linear or branched, saturated or unsaturated alkyl radicals having 6 to 22 carbon atoms and 0 and/or between 1 and 3 double bonds, the sum of $n1$ and $n2$ is equal to 0 or a number between 1 and 100, and m represents a number between 4 and 500, $-[(CH_2)_{z1}-CR_{<3>}R_{<4>}]_{a1}-[PH]_x-[CR_{<5>}R_{<6>}(CH_2)_{z2}]_{a2}-$ (II) wherein $R_{<3>}$, $R_{<4>}$, $R_{<5>}$, and $R_{<6>}$ independently represent hydrogen or alkyl radicals having between 1 and 4 carbon atoms, Ph represents an optionally alkyl-substituted phenyl radical and x , $a1$, $a2$, $z1$ and $z2$ independently represent 0 or 1.

IPC 1-7
C08G 18/66; **C08G 18/28**; **A61K 7/48**

IPC 8 full level
A61K 8/72 (2006.01); **A61K 8/00** (2006.01); **A61K 8/02** (2006.01); **A61K 8/06** (2006.01); **A61K 8/87** (2006.01); **A61Q 19/10** (2006.01); **C08G 18/28** (2006.01); **C08G 18/48** (2006.01); **C09K 3/00** (2006.01)

CPC (source: EP US)
A61K 8/87 (2013.01 - EP US); **A61Q 19/00** (2013.01 - EP US); **A61Q 19/10** (2013.01 - EP US); **C08G 18/2825** (2013.01 - EP US); **C08G 18/283** (2013.01 - EP US); **C08G 18/4833** (2013.01 - EP US); **A61K 2800/48** (2013.01 - EP US)

Citation (search report)
See references of WO 0244236A2

Designated contracting state (EPC)
AT BE CH CY DE ES FR GB IT LI

DOCDB simple family (publication)
WO 0244236 A2 20020606; **WO 0244236 A3 20040219**; DE 10059238 A1 20020606; EP 1414881 A2 20040506; JP 2004525995 A 20040826; US 2004028742 A1 20040212

DOCDB simple family (application)
EP 0113388 W 20011120; DE 10059238 A 20001129; EP 01985819 A 20011120; JP 2002546599 A 20011120; US 43296603 A 20030528