

Title (en)

QUATERNARY POLYAMIDOAMINES, THE PRODUCTION THEREOF, CORRESPONDING AGENTS AND THE USE THEREOF

Title (de)

QUATERNIERTE POLYAMIDAMINE, DEREN HERSTELLUNG, ENTSPRECHENDE MITTEL UND DEREN VERWENDUNG

Title (fr)

POLYAMIDAMINES QUATERNISEES, FABRICATION, AGENTS CORRESPONDANTS, ET UTILISATION

Publication

**EP 1436345 A1 20040714 (DE)**

Application

**EP 02772142 A 20020812**

Priority

- DE 10139452 A 20010810
- EP 0209026 W 20020812

Abstract (en)

[origin: WO03014192A1] The invention relates to quaternary polyamidoamines which are characterised in that they comprise at least one structural unit of formula VII, wherein R<1>, R<2> and R<4> represent organic radicals which are linear or branched, optionally comprising heteroatoms; R<5> represents hydrogen or alkyl; R<7> represents hydrogen or alkyl or two R<7> radicals form together a radical having the above-mentioned meaning for R<4>; b is a whole number from 0 - 50, and c is a whole number from 1 - 50. The invention also relates to the production of quaternary polyamidoamines, agents containing said compounds, in addition to the use thereof for cosmetic and pharmaceutical purposes and also in the areas of plant protection and textile dyeing. The invention also relates the use of ion-type quaternary polyamidoamines as biostatical agents or biocide and also biocide agents based on quaternary polyamidoamines.

IPC 1-7

**C08G 73/02**

IPC 8 full level

**A61K 31/785** (2006.01); **A01N 37/44** (2006.01); **A01N 61/00** (2006.01); **A61P 31/04** (2006.01); **A61P 31/10** (2006.01); **C08G 69/26** (2006.01); **C08G 73/02** (2006.01)

CPC (source: EP US)

**A61K 8/84** (2013.01 - EP US); **A61P 31/04** (2017.12 - EP); **A61P 31/10** (2017.12 - EP); **A61Q 5/06** (2013.01 - EP US); **A61Q 5/12** (2013.01 - EP US); **C08G 73/0293** (2013.01 - EP US)

Citation (search report)

See references of WO 03014192A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03014192 A1 20030220**; CN 1553927 A 20041208; DE 10139452 A1 20030220; EP 1436345 A1 20040714; JP 2004537626 A 20041216; US 2004234493 A1 20041125; US 7122618 B2 20061017

DOCDB simple family (application)

**EP 0209026 W 20020812**; CN 02817693 A 20020812; DE 10139452 A 20010810; EP 02772142 A 20020812; JP 2003519137 A 20020812; US 48526204 A 20040630