

Title (en)

USE OF ACYLSULFONAMIDO-SUBSTITUTED POLYMETHINE DYES AS FLUORESCENCE DYES AND/OR MARKERS

Title (de)

VERWENDUNG VON ACYLSULFONAMIDO SUBSTITUIERTEN POLYMETHIN-FARBSTOFFEN ALS FLUORESSENZ-FARBSTOFFE UND/ODER MARKER

Title (fr)

UTILISATION DE COLORANTS POLYMETHINE A SUBSTITUTION ACYLSULFONAMIDO EN TANT QUE COLORANTS FLUORESCENTS ET/OU MARQUEURS

Publication

EP 1206703 A1 20020522 (DE)

Application

EP 00958289 A 20000724

Priority

- DE 19937024 A 19990805
- EP 0007070 W 20000724

Abstract (en)

[origin: DE19937024A1] The invention relates to novel polymethine dyes that contain at least one acylsulfonamido group according to formula (I) wherein n, Y, A and R have the meaning indicated in the claims, and at least one compound according to formulae (a) to (n) indicated in the claims. The inventive polymethine dyes are useful as dyes and/or markers, especially for staining or marking biomolecules.

IPC 1-7

G01N 33/58; G01N 33/533; C09B 23/14; C09B 23/01

IPC 8 full level

G01N 33/58 (2006.01); **C07D 403/14** (2006.01); **C09B 23/00** (2006.01); **C09B 23/01** (2006.01); **C09B 23/02** (2006.01); **C09B 23/10** (2006.01); **C09B 23/14** (2006.01); **C09K 11/06** (2006.01); **G01N 21/78** (2006.01)

CPC (source: EP US)

C09B 23/0066 (2013.01 - EP US); **C09B 23/0075** (2013.01 - EP US); **C09B 23/02** (2013.01 - EP US); **C09B 23/10** (2013.01 - EP US); **C09B 23/14** (2013.01 - EP US)

Citation (search report)

See references of WO 0111370A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19937024 A1 20010208; AU 6986100 A 20010305; CA 2381088 A1 20010215; CA 2381088 C 20100112; CN 1369062 A 20020911; EP 1206703 A1 20020522; JP 2003506567 A 20030218; US 6995262 B1 20060207; WO 0111370 A1 20010215

DOCDB simple family (application)

DE 19937024 A 19990805; AU 6986100 A 20000724; CA 2381088 A 20000724; CN 00811340 A 20000724; EP 0007070 W 20000724; EP 00958289 A 20000724; JP 2001515974 A 20000724; US 4877502 A 20020315