

Title (en)

HETEROCYCLYL POLYMETHINE IR CHROMOPHORES

Title (de)

HETEROCYCLYLPOLYMETHINIR-IR-CHROMOPHORE

Title (fr)

CHROMOPHORES IR À BASE DE POLYMÉTHINE HÉTÉROCYCLYLE

Publication

EP 3891224 A4 20230118 (EN)

Application

EP 19892945 A 20191205

Priority

- US 201862775788 P 20181205
- US 2019064790 W 20191205

Abstract (en)

[origin: WO2020118116A1] The present disclosure provides NIR- and SWIR-active small molecule polymethine dyes with improved properties for use in optical imaging, photothermal therapy, and photodynamic therapy.

IPC 8 full level

A61K 31/352 (2006.01); **A61K 31/437** (2006.01); **C07D 311/60** (2006.01); **C07D 311/92** (2006.01); **C07D 403/08** (2006.01); **C07D 405/08** (2006.01); **C07D 405/14** (2006.01); **C07D 409/08** (2006.01); **C07D 491/22** (2006.01); **C09B 23/01** (2006.01); **C09B 23/04** (2006.01); **C09B 23/06** (2006.01); **C09B 23/08** (2006.01); **C09B 23/10** (2006.01)

CPC (source: EP)

C07D 311/60 (2013.01); **C07D 311/92** (2013.01); **C07D 403/08** (2013.01); **C07D 405/08** (2013.01); **C07D 405/14** (2013.01); **C07D 409/08** (2013.01); **C07D 491/22** (2013.01); **C09B 23/0016** (2013.01); **C09B 23/0066** (2013.01); **C09B 23/04** (2013.01); **C09B 23/06** (2013.01); **C09B 23/086** (2013.01)

Citation (search report)

- [X1] WO 2018187295 A1 20181011 - MASSACHUSETTS INST TECHNOLOGY [US]
- [XP] WO 2018226720 A1 20181213 - UNIV CALIFORNIA [US]
- [E] WO 2020245447 A1 20201210 - HELMHOLTZ ZENTRUM MUENCHEN DEUTSCHES FORSCHUNGSZENTRUM GESUNDHEIT & UMWELT GMBH [DE], et al
- [E] WO 2020245446 A1 20201210 - HELMHOLTZ ZENTRUM MUENCHEN DEUTSCHES FORSCHUNGSZENTRUM GESUNDHEIT & UMWELT GMBH [DE], et al
- See references of WO 2020118116A1

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 2020118116 A1 20200611; EP 3891224 A1 20211013; EP 3891224 A4 20230118

DOCDB simple family (application)

US 2019064790 W 20191205; EP 19892945 A 20191205