

Title (en)
SUBSTITUTED PHTHALOCYANINES AND THEIR PRECURSORS

Title (de)
SUBSTITUIERTE PHTHALOCYANINEN UND DEREN VORPRODUKTE

Title (fr)
PHTHALOCYANINES SUBSTITUEES ET LEURS PRECURSEURS

Publication
EP 1238016 A1 20020911 (EN)

Application
EP 00985506 A 20001208

Priority

- GB 0004708 W 20001208
- GB 9929064 A 19991208
- GB 0012348 A 20000522
- GB 0025817 A 20001020

Abstract (en)
[origin: WO0142368A1] This invention relates to a process for the preparation of phthalonitrile sulfonate esters, a process for the preparation of substituted phthalonitriles using said phthalonitrile sulfonate esters, a process for the preparation of substituted phthalocyanines using said substituted phthalonitriles, a process for the preparation of phthalonitrile halides, a process for the preparation of substituted phthalocyanines using said phthalonitrile halides, novel phthalonitrile sulfonate esters, novel substituted phthalonitriles, novel substituted phthalocyanines and certain uses of said novel substituted phthalocyanines.

IPC 1-7
C09B 47/067; C09B 47/04; C07D 487/22; A61K 41/00

IPC 8 full level
A61K 31/555 (2006.01); **A61K 41/00** (2006.01); **A61K 47/30** (2006.01); **A61K 47/32** (2006.01); **A61K 47/34** (2006.01); **A61K 47/36** (2006.01); **A61K 47/42** (2006.01); **A61P 7/00** (2006.01); **A61P 7/04** (2006.01); **A61P 9/08** (2006.01); **A61P 9/10** (2006.01); **A61P 13/08** (2006.01); **A61P 17/00** (2006.01); **A61P 17/06** (2006.01); **A61P 19/02** (2006.01); **A61P 29/00** (2006.01); **A61P 31/04** (2006.01); **A61P 31/12** (2006.01); **A61P 35/00** (2006.01); **C07C 253/30** (2006.01); **C07C 255/51** (2006.01); **C07C 255/54** (2006.01); **C07C 305/22** (2006.01); **C07D 487/22** (2006.01); **C09B 47/04** (2006.01); **C09B 47/067** (2006.01); **C09B 47/18** (2006.01); **C09B 47/20** (2006.01)

CPC (source: EP)
A61K 41/0071 (2013.01); **A61K 41/0076** (2013.01); **A61P 7/00** (2018.01); **A61P 7/04** (2018.01); **A61P 9/08** (2018.01); **A61P 9/10** (2018.01); **A61P 13/08** (2018.01); **A61P 17/00** (2018.01); **A61P 17/06** (2018.01); **A61P 19/02** (2018.01); **A61P 29/00** (2018.01); **A61P 31/04** (2018.01); **A61P 31/12** (2018.01); **A61P 35/00** (2018.01); **B82Y 10/00** (2013.01); **C07D 487/22** (2013.01); **C09B 47/045** (2013.01); **C09B 47/067** (2013.01); **C09B 47/0673** (2013.01)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0142368 A1 20010614; AU 2192201 A 20010618; CA 2394891 A1 20010614; CZ 20021974 A3 20021113; EE 200200298 A 20030815; EP 1238016 A1 20020911; HU P0301099 A2 20030828; HU P0301099 A3 20031128; JP 2003516421 A 20030513; NO 20022663 D0 20020605; NO 20022663 L 20020808; PL 355851 A1 20040531

DOCDB simple family (application)
GB 0004708 W 20001208; AU 2192201 A 20001208; CA 2394891 A 20001208; CZ 20021974 A 20001208; EE P200200298 A 20001208; EP 00985506 A 20001208; HU P0301099 A 20001208; JP 2001543656 A 20001208; NO 20022663 A 20020605; PL 35585100 A 20001208