Title (en)
METHOD FOR SYNTHESIZING THIOPHENES

Title (de)
VERFAHREN ZUR DARSTELLUNG VON THIOPHENEN

Title (fr)
PROCÉDÉ DE PRODUCTION DE THIOPHÈNES

Publication
EP 2121798 A1 20091125 (DE)

Application
EP 07856486 A 20071208

Priority
• EP 2007010710 W 20071208
• DE 102006061966 A 20061221

Abstract (en)
[origin: DE102006061966A1] Preparing oligo- or poly- thiophene compounds comprises (i) converting at least a dissolved thiophene derivative with two leaving groups to a polymerization reactive monomer; (ii) polymerizing the obtained product solution (1) by adding a solution of at least a catalyst; and (iii) polymerizing the product solution (2) for chain elongation on basis of the same thiophene derivative and/or at least an another thiophene derivative, after the product solution (1). Preparation of oligo- or poly- thiophene compounds comprises (i) converting at least a dissolved thiophene derivative with two leaving groups to a polymerization reactive monomer by (a) mixing a solution of at least a dissolved thiophene derivative with two leaving groups with a solution of a metal organic compound or (b) reacting a solution of at least a dissolved thiophene derivative with two leaving groups with an elementary metal; (ii) polymerizing the obtained product solution (1) by adding a solution of at least a catalyst; and (iii) polymerizing the product solution (2) for the chain elongation on basis of the same thiophene derivative and/or at least an another thiophene derivative, after the product solution (1).

IPC 8 full level
C08G 61/12 (2006.01); **H01L 33/00** (2006.01)

CPC (source: EP KR US)
C08G 61/126 (2013.01 - EP US); **H01L 33/00** (2013.01 - KR)

Citation (search report)
See references of WO 2008080512A1

Cited by
DE102010062961A1; WO2012080074A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102006061966 A1 20080626; CA 2673415 A1 20080710; CN 101563390 A 20091021; EP 2121798 A1 20091125; JP 2010513612 A 20100430; KR 20090101919 A 20090929; TW 200835773 A 20080901; US 2011105717 A1 20110505; WO 2008080512 A1 20080710

DOCDB simple family (application)
DE 102006061966 A 20061221; CA 2673415 A 20071208; CN 200780047399 A 20071208; EP 07856486 A 20071208; EP 2007010710 W 20071208; JP 2009541824 A 20071208; KR 20097014229 A 20071208; TW 96148847 A 20071220; US 51723507 A 20070812