

Title (en)
PROCESS FOR ALKYL ARYL SULFIDE DERIVATIVES AND NEW SULFIDE COMPOUNDS

Title (de)
VERFAHREN FÜR ALKYLARYLSULFIDDERIVATE UND NEUE SULFIDVERBINDUNGEN

Title (fr)
PROCEDE DE PREPARATION DE DERIVES DE SULFURE D'ALKYLARYLE ET NOUVEAUX COMPOSES DE SULFURE

Publication
EP 1812386 A1 20070801 (EN)

Application
EP 05808625 A 20051021

Priority

- KR 2005003528 W 20051021
- KR 20040085011 A 20041022
- KR 20050099926 A 20051021

Abstract (en)
[origin: WO2006043797A1] The present invention provide a process for preparing an alkyl aryl sulfide of Chemical Formula (I I I) characterized in that an aryl halogen compound of Chemical Formula (I) is substituted with an alkyl lithium organometallic reagent, and subsequently reacted with a compound of Chemical Formula (I I) , or an aryl halogen compound of Chemical Formula (I) is reacted with Grignard reagent to protect the hydrogen-donating substituent, and then reacted with an alkyl lithium organometallic reagent, and subsequently with sulfur and a compound of Chemical Formula (I I) . According to the process of the invention , an alkyl aryl sulfide of Chemical Formula (I I I) can be prepared via one-step reaction without separation or purification of an intermediate compound from various aryl halogen compounds in a short reaction time with high yield. Several compounds among those compounds represented by Chemical Formula (I I I) are novel compounds.

IPC 8 full level
C07C 323/09 (2006.01)

CPC (source: EP)
C07C 319/14 (2013.01); **C07C 323/09** (2013.01); **C07C 323/14** (2013.01); **C07C 323/19** (2013.01); **C07C 323/20** (2013.01); **C07C 323/21** (2013.01); **C07C 323/22** (2013.01); **C07C 323/32** (2013.01); **C07C 323/36** (2013.01); **C07C 323/52** (2013.01); **C07C 323/62** (2013.01); **C07D 277/36** (2013.01); **C07D 317/32** (2013.01); **C07D 405/12** (2013.01); **C07F 7/1892** (2013.01); **C07C 2601/14** (2017.04)

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006043797 A1 20060427; EP 1812386 A1 20070801; EP 1812386 A4 20100106; JP 2008517902 A 20080529

DOCDB simple family (application)
KR 2005003528 W 20051021; EP 05808625 A 20051021; JP 2007537804 A 20051021